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.

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.**
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4. **BSR proposals will not be available after the deadline of call for comment.**

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

★ Standard for consumer products

ISSN 0038-9633

Comment Deadline: October 12, 2008

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

Supplements

BSR/ASHRAE Addendum f to ANSI/ASHRAE Standard 55P-2004, Thermal Environmental Conditions for Human Occupancy (supplement to ANSI/ASHRAE Standard 55P-2004)

Adds a new informative appendix providing guidance on the cooling effect of elevated air speed at humidity and clo levels that are not addressed in Figure 5.2.3. This method may be of particular use in environments where passive cooling is utilized or in hot and humid climates.

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 h to ANSI/ASHRAE Standard 15-2007, Safety Standard for Refrigeration Systems (supplement to ANSI/ASHRAE Standard 15-2007)

Addresses pressure-relief discharge piping requirements for low-pressure refrigeration systems using R-718 (water) as a refrigerant. These refrigeration systems have safety relief devices that primarily provide relief protection for heat-exchanger tube failure. Due to the present requirements for vent-pipe termination according to Section 9.7.8, liquid water would be discharged at a high elevation, which is not desirable. The proposed change would add an exception to Section 9.7.8 and permit alternate location of the relief vent termination for R-718 systems.

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

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BSR/ASHRAE Addendum h to ANSI/ASHRAE Standard 135-2004, BACnet - A Data Communication Protocol for Building Automation and Control Networks (supplement to ANSI/ASHRAE Standard 135-2004)

Provides a set of miscellaneous changes for the third public review of proposed Addendum h. This addendum:
- changes the Command object's Device_Busy property name to Busy;
- prevents overflow and underflow in the Pulse_Converter object's Count property;
- adds context tags to the BACnetPropertyStates production:
- adds new BACnetEngineeringUnits;
- defines COV notification service Error returns;
- removes non-support for automatic cancellation of COV subscriptions;
- adds support for the UTF-8 character set; and
- adds even and odd day support to Dates.

This PR draft makes independent substantive changes to the second PR draft in response to comments received.

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

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Addenda

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

Modifies the chemical names for R-E170, R-600a, R-601a, R-610, R-630 and R-631 in Table 1 to conform to IUPAC nomenclature.

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

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

Modifies the requirements for submitting compact disks and hard copies of refrigerant applications.

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

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

Modifies the data requirements for determining the anesthetic or central nervous system effects of a refrigerant.

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 34ae to ANSI/ASHRAE Standard 34-2007, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2007)

Specifies the temperature for leak/recharge testing to be consistent with the original intent of the committee.

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

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

Adds the new refrigerant 433B to Table 2 and Table D2.

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

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

Adds the new refrigerant 433C to Table 2 and Table D2.

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

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BSR/ASHRAE Addendum 62.1i to ANSI/ASHRAE 62.1-2004, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2007)

In response to comments received on previous drafts of 62.1i, deletes Section 6.2.9.

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

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BSR/ASHRAE Addendum 62.1j to ANSI/ASHRAE 62.1-2004, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2007)

Clarifies when, at a minimum, the ventilation systems shall be operated.

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

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BSR/ASHRAE Addendum 62.1k to ANSI/ASHRAE 62.1-2004, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2007)

Corrects the language in Note 2 of Table 6-1 to make it consistent with terminology used elsewhere in the standard.

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

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BSR/ASHRAE Addendum 62.2d to ANSI/ASHRAE Standard 62.2P-2007, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2P-2007)

For testing and rating fans, Standard 62.2 currently references only the HVI standards but not the ASHRAE and AMCA standards upon which they are based. Adding these standards to Section 7.1 of 62.2 makes it clear as to the basis of these requirements.

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

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

Revises air leakage criteria so that the criteria more closely reflect current practice.

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

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

Modifies the requirements for Demand Control Ventilation (DCV).

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

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NSF (NSF International)

Revisions

BSR/NSF 49-200x (i15), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2007)

Issue 15 - To add in the standard a listing process for aerosol introduction point information.

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

Send comments (with copy to BSR) to: Mindy Costello, NSF; mcostello@nsf.org

BSR/NSF 52-200x (i4), Supplemental Flooring (revision of ANSI/NSF 52-2007)

Issue 4 - Boilerplate updates only included normative references. Additionally, mat cleanability was addressed.

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

Send comments (with copy to BSR) to: Mindy Costello, NSF; mcostello@nsf.org

UL (Underwriters Laboratories, Inc.)

Revisions

BSR/UL 181-200x, Standard for Safety for Factory-Made Air Ducts and Air Connectors, (Proposal document dated 7/4/08 and Recirculation document dated 9/12/08) (revision of ANSI/UL 181-2005)

This 9/12/08 recirculation bulletin includes revision to the following 7/4/08 proposal: Corrects temperature conversion for 10.4.2.

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

Send comments (with copy to BSR) to: Vickie Hinton, UL-NC; Vickie.T.Hinton@us.ul.com

BSR/UL 268A-200x, Smoke Detectors for Duct Application (revision of ANSI/UL 268A-2006)

Revises the Alarm Indication Requirements.

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

Send comments (with copy to BSR) to: Kristin Andrews, UL-CA; Kristin.L.Andrews@us.ul.com

BSR/UL 810-200x, Standard for Safety for Capacitors (revision of ANSI/UL 810-2008)

Revises the Electrolytic Capacitor Requirements.

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

Send comments (with copy to BSR) to: Susan Malohn, UL-IL; susan.p.malohn@us.ul.com

BSR/UL 864-200x, Standard for Control Units and Accessories for Fire Alarm Systems (revision of ANSI/UL 864-2006)

Releases the Devices for Sprinkler Systems.

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

Send comments (with copy to BSR) to: Amy Walker, UL-IL; Amy.K.Walker@us.ul.com

BSR/UL 1123-200x, Standard for Safety for Marine Buoyant Devices (revision of ANSI/UL 1123-2007)

This 9/12/08 recirculation bulletin includes revision to the following 5/2/2008 proposals:
- Clarification of Donning Test Requirements; and
- Revision of the Shoulder Gap Measurements Requirements.

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

Send comments (with copy to BSR) to: Betty McKay, UL-NC; Betty.C.McKay@us.ul.com

Comment Deadline: October 27, 2008

ASA (ASC S3) (Acoustical Society of America)

Reaffirmations

BSR S3.41-1990 (R200x), Audible Emergency Evacuation Signal (reaffirmation of ANSI S3.41-1990 (R2001))

Applies to an audible emergency signal used for and limited to situations requiring immediate evacuation from a building because of emergency. This standard specifies two parameters of the audible emergency evacuation signal, i.e., the temporal pattern and the required sound pressure level at all places with the intended signal reception area. It applies to the audible signal, not to the individual signaling system components.

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Send comments (with copy to BSR) to: Same

ASB (ASC Z50) (American Society of Baking)

Reaffirmations

BSR/ASB Z50.2-2003 (R200x), Bakery Equipment - Sanitation Standards (reaffirmation and redesignation of ANSI/BISSC Z50.2-2003)

Serves as a guide to the design for the design, construction, and use of bakery equipment, which can be readily maintained in a clean and sanitary condition.

Single copy price: $20.00

Obtain an electronic copy from: www.asbe.org

Order from: American Society of Baking; www.asbe.org

Send comments (with copy to BSR) to: Same

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

New Standards

BSR/ASHRAE Standard 160P-200x, Criteria for Moisture-Control Design Analysis in Buildings (new standard)

Specifies performance-based design criteria for predicting, mitigating, or reducing moisture damage to buildings depending upon climate, construction type, and HVAC system operation. This standard applies to all types of buildings, building components and materials. This second public review draft makes independent substantive changes to the first public review draft in response to comments received. This is the second public review of proposed new Standard 160.

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BSR/ASHRAE Standard 174P-200x, Method of Test for Rating Desiccant-Based Dehumidification Equipment (new standard)

Provides a method of test for rating the overall performance of desiccant-based dehumidification equipment. Desiccant-based systems are typically designed with moisture removal as their primary function and deliver air at lower dew points than typical air conditioning systems. This method of test has been developed to assist in the measurement and documentation of variables needed to establish moisture-removal capacity per unit of energy.

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Revisions

BSR/ASHRAE Standard 29-200x, Methods of Testing Automatic Ice Makers (revision of ANSI/ASHRAE Standard 29-1988 (R2005))

First published in 1988 and reaffirmed in 1999 and 2005, Standard 29 has been significantly revised in this proposed new edition. The primary change is to clarify the status of Annex A (formerly Appendix A). This previously informative Annex described several possible methods of calorimetry testing, but in this proposed revision, it now specifies a single mandatory method. The descriptions of laboratory testing equipment have also been updated.

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BSR/ASHRAE Standard 87.2-200x, In-Situ Method of Testing Propeller Fans for Reliability (revision of ANSI/ASHRAE Standard 87.2-2002)

Updates the standard's reference section and clarifies the language of the title, purpose, and scope. The purpose of this standard is to recommend procedures that will permit evaluation of the dynamic characteristics of propeller fan assemblies under application conditions. Interested parties are invited to submit comments during this public review period.

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BSR/ASHRAE Standard 137-200x, Method of Testing for Efficiency of Space-Conditioning/Water-Heating Appliances that Include a Desuperheater Water Heater (revision of ANSI/ASHRAE 137-1995 (R2004))

Covers electric, air-to-air, space-conditioning appliances that include a refrigerant-to-water desuperheater and have rated cooling capacities of less than 65,000 Btu/h.

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BSR/ASHRAE Standard 138-200x, Method of Testing for Rating Ceiling Panels for Sensible Heating and Cooling (revision of ANSI/ASHRAE 138P-2005)

Establishes uniform methods of laboratory testing for rating steady-state thermal performance of ceiling panels used in indoor spaces for sensible heating or sensible cooling, or both. The objective is to rate ceiling panels under repeatable conditions.

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Supplements

BSR/ASHRAE Addendum f to ANSI/ASHRAE Standard 15-2007, Safety Standard for Refrigeration Systems (supplement to ANSI/ASHRAE Standard 15-2007)

Carbon dioxide (R744) is often used in the low-temp side of cascade systems. Due to the pressure-temperature relationship of R744, it would be cost prohibitive and unnecessary to meet all the design pressure requirements of Section 9.2 for refrigeration systems using R744, since the required standby pressures for R744 are much higher than those experienced during normal operation. The proposed change allows R744 as a secondary coolant or refrigerant in certain situations, permitting limited releases to the atmosphere during unusual events, such as an extended power failure with coincident heat gains that raise system pressures.

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BSR/ASHRAE Addendum g to ANSI/ASHRAE Standard 135-2004, BACnet - A Data Communication Protocol for Building Automation and Control Networks (supplement to ANSI/ASHRAE Standard 135-2004)

This is the third public review draft of proposed Addendum g, which updates BACnet Network Security. The existing BACnet Network Security architecture defined in clause 24 of Standard 135-2004 is based on the 56-bit DES cryptographic standard and needs to be updated to meet the needs of today's networks.

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BSR/ASHRAE Addendum j to ANSI/ASHRAE Standard 135-2004, BACnet - A Data Communication Protocol for Building Automation and Control Networks (supplement to ANSI/ASHRAE Standard 135-2004)

This is the fourth public review of proposed Addendum j, which completes the physical access control extensions to BACnet. It adds new Access Point, Access Zone, Access User, Access Rights, Access Credential and Authentication Factor Input object types, and a new ACCESS_EVENT event algorithm. This revised draft, presented in full, responds to comments reviewers made during the third public review of Addendum j.

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BSR/ASHRAE Addendum l to ANSI/ASHRAE Standard 135-2004, BACnet - A Data Communication Protocol for Building Automation and Control Networks (supplement to ANSI/ASHRAE Standard 135-2004)

Adds new workstation BIBBs and profiles. The original B-OWS profile was deemed insufficient for specifying the minimum capabilities of a basic operator workstation, so additional BIBBs are required. This addendum also adds new profiles for other kinds of workstations.

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BSR/ASHRAE Addendum o to ANSI/ASHRAE Standard 135-2004, BACnet - A Data Communication Protocol for Building Automation and Control Networks (supplement to ANSI/ASHRAE Standard 135-2004)

Accommodates remote operator access and NAT in Annex J BACnet/IP. Two common-use cases for Annex J BACnet/IP are not sufficiently well accommodated by Annex J: Network Address Translation (NAT) and operator access across the Internet to multiple remote subnets. Some small changes are proposed to accommodate these cases.

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BSR/ASHRAE Addendum r to ANSI/ASHRAE Standard 135-2004, BACnet - A Data Communication Protocol for Building Automation and Control Networks (supplement to ANSI/ASHRAE Standard 135-2004)

Makes various changes to clarify ambiguous language identified in five interpretations that have been approved: IC 135-2004-8, IC 135-2004-10, IC 135-2004-17, IC 135-2004-19, and IC 135-2004-22.

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BSR/ASHRAE Addendum s to ANSI/ASHRAE Standard 135-2004, BACnet - A Data Communication Protocol for Building Automation and Control Networks (supplement to ANSI/ASHRAE Standard 135-2004)

Clarifies when the File Object's Archive property is set to TRUE or FALSE and requires support for COV subscriptions with lifetimes less than or equal to 8 hours. The value was chosen as a round value in hours that can be counted in seconds in a 15-bit register, permitting easy detection that the value has "wrapped" (the sign bit changes).

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BSR/ASHRAE Addendum t to ANSI/ASHRAE Standard 135-2004, BACnet - A Data Communication Protocol for Building Automation and Control Networks (supplement to ANSI/ASHRAE Standard 135-2004)

Provides a new annex that defines formats for XML data exchanged between various BAS systems. The data may have a variety of purposes and may be conveyed through files or by other means. The intention is to give BACnet new capabilities for standardized communications between a wide range of applications. XML can be used for exchanging files between systems, integrating buildings with energy utilities, and expanding enterprise integration with richer Web services.

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Reaffirmations

BSR/ASHRAE Standard 149-2000 (R200x), Laboratory Methods of Testing Fans Use to Exhaust Smoke in Smoke Management Systems (reaffirmation of ANSI/ASHRAE Standard 149-2000 (R2005))

Establishes uniform methods of laboratory testing and test documentation for fans used to exhaust smoke in smoke management systems.

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Addenda

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

Extends the rules for numbering refrigerants to include butane- and butene-based refrigerants. The rules being added are consistent with industry and academic nomenclature conventions.

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

Adds the new refrigerant 1234yf to Table 1 and to Table D1.

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

Extends the rules for numbering refrigerants to include ethene- and propene-based refrigerants. The rules being added are consistent with industry and academic nomenclature conventions.

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BSR/ASHRAE Addendum 62.1c to ANSI/ASHRAE 62.1-2004, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2007)

Revises the requirements for filtration of contaminants (PM10, PM2.5) to make them generic to the national requirements present in the building's location. References to EPA sources for designers within the US have been clarified and detailed to increase the likelihood that all designers in a given location will use the same monitored data to make decisions related to outdoor air cleaning. An informative appendix has been added to provide information on national requirements, such as links to selected national standards or guidelines. The appendix also provides a list of areas within the U.S. where ozone filtration is required.

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BSR/ASHRAE Addendum 62.1d to ANSI/ASHRAE 62.1-2004, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2007)

Changes the proposed addendum in response to changes suggested by reviewers in comments submitted during the first and second public review relating to elevator machine rooms. The additions to Table 6-4, in the second public review draft, of “Electrical elevator machine room” and “Hydraulic elevator machine room” are undone. “Elevator machine room” is added to Table 5-2, Airstreams, designating such an airstream as Class 2.

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BSR/ASHRAE Addendum 62.1g to ANSI/ASHRAE 62.1-2004, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2007)

Provides additional information for demand controlled ventilation (DCV) systems to augment Section 6.2.7 Dynamic Reset. This proposed addendum has been developed in response to a change proposal; with additional changes resulting from public review comments.

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

Accepts, in principle, a public review comment on addendum af that suggested adding the word “metal” to Section 6.5.4.5.

Single copy price: $35.00

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

Order from: standards.section@ashrae.org

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

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

Expands the table of default U-Factors for single-digit rafter roofs.

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

Corrects errors in table 6.8.1E, re-orders footnotes, and changes one efficiency.

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

ASQ (American Society for Quality)

New Standards

BSR/ASQ S3-200x, An Attribute Chain Sampling Program (new standard)

Serves as a further explanation of and provides the operating characteristics for the optional fractional acceptance number plans for single sampling that are included in ISO 2859-1. This standard is intended as a stand-alone standard to provide a source of a limited selection of chain sampling plans and their operating characteristics (OC), and to assist in the application of the chain sampling procedures while performing attribute, lot-by-lot, single sampling inspection.

Single copy price: N/A

Obtain an electronic copy from: standards@asq.org

Send comments (with copy to BSR) to: standards@asq.org

ASTM (ASTM International)

The URL to search for scopes of ASTM standards is: http://www.astm.org/dsearch.htm
For reaffirmations and withdrawals, order from: Customer Service, ANSI
For new standards and revisions, order from: Corice Leonard, ASTM ; cleonard@astm.org
For all ASTM standards, send comments (with copy to BSR) to: Corice Leonard, ASTM ; cleonard@astm.org

Revisions

BSR/ASTM D86-200x, Test Method for Distillation of Petroleum Products at Atmospheric Pressure (revision of ANSI/ASTM D86-2007a)

Single copy price: $49.00

BSR/ASTM D93-200x, Test Methods for Flash Point by Pensky-Martens Closed Cup Tester (revision of ANSI/ASTM D93-2007)

Single copy price: $42.00

BSR/ASTM D323-200x, Test Method for Vapor Pressure of Petroleum Products (Reid Method) (revision of ANSI/ASTM D323-2006)

Single copy price: $36.00

BSR/ASTM D975-200x, Specification for Diesel Fuel Oils (revision of ANSI/ASTM D975-2008)

Single copy price: $49.00

BSR/ASTM D1250-200x, Guide for Use of the Petroleum Measurement Tables (revision of ANSI/ASTM D1250-2007)

Single copy price: $36.00

BSR/ASTM D1319-200x, Test Method for Hydrocarbon Types in Liquid Petroleum Products by Fluorescent Indicator Adsorption (revision of ANSI/ASTM D1319-2003)

Single copy price: $36.00

BSR/ASTM D2983-200x, Test Method for Low-Temperature Viscosity of Lubricants Measured by Brookfield Viscometer (revision of ANSI/ASTM D2983-2004)

Single copy price: $42.00

BSR/ASTM D4294-200x, Test Method for Sulfur in Petroleum and Petroleum Products by Energy Dispersive X-ray Fluorescence Spectrometry (revision of ANSI/ASTM D4294-2007)

Single copy price: $36.00

BSR/ASTM D4742-200x, Test Method for Oxidation Stability of Gasoline Automotive Engine Oils by Thin-Film Oxygen Uptake (TFOUT) (revision of ANSI/ASTM D4742-2002a)

Single copy price: $36.00

BSR/ASTM D5186-200x, Test Method for Determination of the Aromatic Content and Polynuclear Aromatic Content of Diesel Fuels and Aviation Turbine Fuels by Supercritical Fluid Chromatography (revision of ANSI/ASTM D5186-2003)

Single copy price: $36.00

BSR/ASTM D5293-200x, Test Method for Apparent Viscosity of Engine Oils Between -5 and -35°C Using the Cold-Cranking Simulator (revision of ANSI/ASTM D5293-2008)

Single copy price: $36.00

BSR/ASTM D5662-200x, Test Method for Determining Automotive Gear Oil Compatibility with Typical Oil Seal Elastomers (revision of ANSI/ASTM D5662-2006a)

Single copy price: $36.00

BSR/ASTM D5704-200x, Test Method for Evaluation of the Thermal and Oxidative Stability of Lubricating Oils Used for Manual Transmissions and Final Drive Axles (revision of ANSI/ASTM D5704-2007)

Single copy price: $42.00

BSR/ASTM D6074-200x, Guide for Characterizing Hydrocarbon Lubricant Base Oils (revision of ANSI/ASTM D6074-1999 (R2005))

Single copy price: $36.00

BSR/ASTM D6121-200x, Test Method for Evaluation of Load-Carrying Capacity of Lubricants Under Conditions of Low Speed and High Torque Used for Final Hypoid Drive Axles (revision of ANSI/ASTM D6121-2006a)

Single copy price: $42.00

BSR/ASTM D6258-200x, Test Method for Determination of Solvent Red 164 Dye Concentration in Diesel Fuels (revision of ANSI/ASTM D6258-2004)

Single copy price: $31.00

BSR/ASTM D6299-200x, Practice for Applying Statistical Quality Assurance and Control Charting Techniques to Evaluate Analytical Measurement System Performance (revision of ANSI/ASTM D6299-2007)

Single copy price: $49.00

BSR/ASTM D6378-200x, Test Method for Determination of Vapor Pressure (VPX) of Petroleum Products, Hydrocarbons, and Hydrocarbon-Oxygenate Mixtures (Triple Expansion Method) (revision of ANSI/ASTM D6378-2007)

Single copy price: $36.00

BSR/ASTM D6448-200x, Specification for Industrial Burner Fuels from Used Lubricating Oils (revision of ANSI/ASTM D6448-2004)

Single copy price: $36.00

BSR/ASTM D6557-200x, Test Method for Evaluation of Rust Preventive Characteristics of Automotive Engine Oils (revision of ANSI/ASTM D6557-2004)

Single copy price: $42.00

BSR/ASTM D6584-200x, Test Method for Determination of Free and Total Glycerin in B-100 Biodiesel Methyl Esters by Gas Chromatography (revision of ANSI/ASTM D6584-2007)

Single copy price: $36.00

BSR/ASTM D6593-200x, Test Method for Evaluation of Automotive Engine Oils for Inhibition of Deposit Formation in a Spark-Ignition Internal Combustion Engine Fueled with Gasoline and Operated Under Low-Temperature, Light-Duty Conditions (revision of ANSI/ASTM D6593-2007a)

Single copy price: $61.00

BSR/ASTM D6594-200x, Test Method for Evaluation of Corrosiveness of Diesel Engine Oil at 135°C (revision of ANSI/ASTM D6594-2006)

Single copy price: $36.00

BSR/ASTM D6618-200x, Test Method for Evaluation of Engine Oils in Diesel Four-Stroke Cycle Supercharged 1M-PC Single Cylinder Oil Test Engine (revision of ANSI/ASTM D6618-2005)

Single copy price: $56.00

BSR/ASTM D6681-200x, Test Method for Evaluation of Engine Oils in a High Speed, Single-Cylinder Diesel Engine-Caterpillar 1P Test Procedure (revision of ANSI/ASTM D6681-2005)

Single copy price: $56.00

BSR/ASTM D6709-200x, Test Method for Evaluation of Automotive Engine Oils in the Sequence VIII Spark-Ignition Engine (CLR Oil Test Engine) (revision of ANSI/ASTM D6709-2007)

Single copy price: $49.00

BSR/ASTM D6750-200x, Test Methods for Evaluation of Engine Oils in a High-Speed, Single-Cylinder Diesel Engine-1K Procedure (0.4 % Fuel Sulfur) and 1N Procedure (0.04 % Fuel Sulfur) (revision of ANSI/ASTM D6750-2006)

Single copy price: $61.00

BSR/ASTM D6756-200x, Test Method for Determination of the Red Dye Concentration and Estimation of the ASTM Color of Diesel Fuel and Heating Oil Using a Portable Visible Spectrophotometer (revision of ANSI/ASTM D6756-2002)

Single copy price: $36.00

BSR/ASTM D6923-200x, Test Method for Evaluation of Engine Oils in a High Speed, Single-Cylinder Diesel Engine - Caterpillar 1R Test Procedure (revision of ANSI/ASTM D6923-2005)

Single copy price: $61.00

BSR/ASTM D6984-200x, Test Method for Evaluation of Automotive Engine Oils in the Sequence IIIF, Spark-Ignition Engine (revision of ANSI/ASTM D6984-2007a)

Single copy price: $56.00

BSR/ASTM D7038-200x, Test Method for Evaluation of Moisture Corrosion Resistance of Automotive Gear Lubricants (revision of ANSI/ASTM D7038-2007a)

Single copy price: $49.00

BSR/ASTM D7043-200x, Test Method for Indicating Wear Characteristics of Petroleum and Non-Petroleum Hydraulic Fluids in a Constant Volume Vane Pump (revision of ANSI/ASTM D7043-2004a)

Single copy price: $42.00

BSR/ASTM D7098-200x, Test Method for Oxidation Stability of Lubricants by Thin-Film Oxygen Uptake (TFOUT) Catalyst B (revision of ANSI/ASTM D7098-2006)

Single copy price: $36.00

BSR/ASTM D7320-200x, Test Method for Evaluation of Automotive Engine Oils in the Sequence IIIG, Spark-Ignition Engine (revision of ANSI/ASTM D7320-2007b)

Single copy price: $56.00

BSR/ASTM D7344-200x, Test Method for Distillation of Petroleum Products at Atmospheric Pressure (Mini Method) (revision of ANSI/ASTM D7344-2007)

Single copy price: $42.00

BSR/ASTM D7345-200x, Test Method for Distillation of Petroleum Products at Atmospheric Pressure (Micro Distillation Method) (revision of ANSI/ASTM D7345-2007)

Single copy price: $42.00

BSR/ASTM D7397-200x, Test Method for Cloud Point of Petroleum Products (Miniaturized Optical Method) (revision of ANSI/ASTM D7397-2007)

Single copy price: $36.00

BSR/ASTM E84-200x, Test Method for Surface Burning Characteristics of Building Materials (revision of ANSI/ASTM E84-2008a)

Single copy price: $42.00

BSR/ASTM E119-200x, Test Methods for Fire Tests of Building Construction and Materials (revision of ANSI/ASTM E119-2008)

Single copy price: $49.00

BSR/ASTM E136-200x, Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C
(revision of ANSI/ASTM E136-2004)

Single copy price: $36.00

BSR/ASTM E648-200x, Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source (revision of ANSI/ASTM E648-2008)

Single copy price: $42.00

BSR/ASTM E662-200x, Test Method for Specific Optical Density of Smoke Generated by Solid Materials (revision of ANSI/ASTM E662-2006)

Single copy price: $49.00

BSR/ASTM E970-200x, Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source (revision of ANSI/ASTM E970-2006)

Single copy price: $42.00

BSR/ASTM E1354-200x, Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter (revision of ANSI/ASTM E1354-2008)

Single copy price: $42.00

BSR/ASTM E1529-200x, Test Methods for Determining Effects of Large Hydrocarbon Pool Fires on Structural Members and Assemblies (revision of ANSI/ASTM E1529-2005)

Single copy price: $42.00

BSR/ASTM E2032-200x, Guide for Extension of Data from Fire Resistance Tests Conducted in Accordance with ASTM E 119 (revision of ANSI/ASTM E2032-2008)

Single copy price: $36.00

BSR/ASTM F420-200x, Test Method for Access Depth Under Furniture of Vacuum Cleaners (revision of ANSI/ASTM F420-1999)

Single copy price: $31.00

BSR/ASTM F1411-200x, Practice for Presenting Selected Information on Vacuum Cleaners for Consumer Use (revision of ANSI/ASTM F1411-2001)

Single copy price: $31.00

BSR/ASTM F2607-200x, Test Method for Measuring the Hard Surface Floor-Cleaning Ability of Household/Commercial Vacuum Cleaners (revision of ANSI/ASTM F2607-2006)

Single copy price: $36.00

Reaffirmations

BSR/ASTM D2318-1998 (R200x), Test Method for Quinoline-Insoluble (QI) Content of Tar and Pitch
(reaffirmation of ANSI/ASTM D2318-1998 (R2004))

Single copy price: $31.00

BSR/ASTM D2415-1998 (R200x), Test Method for Ash in Coal Tar and Pitch (reaffirmation of ANSI/ASTM D2415-1998 (R2004))

Single copy price: $31.00

BSR/ASTM D4072-1998 (R200x), Test Method for Toluene-Insoluble (TI) Content of Tar and Pitch (reaffirmation of ANSI/ASTM D4072-1998 (R2004))

Single copy price: $31.00

BSR/ASTM D4422-2004 (R200x), Test Method for Ash in Analysis of Petroleum Coke (reaffirmation of ANSI/ASTM D4422-2004)

Single copy price: $31.00

BSR/ASTM D4746-1998 (R200x), Test Method for Determination of Quinoline Insolubles (QI) in Tar and Pitch by Pressure Filtration (reaffirmation of ANSI/ASTM D4746-1998 (R2004))

Single copy price: $36.00

BSR/ASTM D6006-1997a (R200x), Guide for Assessing Biodegradability of Hydraulic Fluids (reaffirmation of ANSI/ASTM D6006-1997a (R2004))

Single copy price: $36.00

BSR/ASTM D6354-2004 (R200x), Guide for Sampling Plan and Core Sampling of Carbon Cathode Blocks Used in Aluminum Production (reaffirmation of ANSI/ASTM D6354-2004)

Single copy price: $31.00

BSR/ASTM D6969-2003 (R200x), Practice for Preparation of Calcined Petroleum Coke Samples for Analysis (reaffirmation of ANSI/ASTM D6969-2003)

Single copy price: $31.00

BSR/ASTM D6970-2003 (R200x), Practice for Collection of Calcined Petroleum Coke Samples for Analysis (reaffirmation of ANSI/ASTM D6970-2003)

Single copy price: $31.00

BSR/ASTM F431-1999 (R200x), Specification for Air Performance Measurement Plenum Chamber for Vacuum Cleaners (reaffirmation of ANSI/ASTM F431-1999)

Single copy price: $42.00

BSR/ASTM F1275-2003 (R200x), Test Method for Performance of Griddles (reaffirmation of ANSI/ASTM F1275-2003)

Single copy price: $42.00

BSR/ASTM F1284-1999 (R200x), Test Method for Evaluating Carpet Embedded Dirt Removal Effectiveness of Residential Central Vacuum Cleaning Systems (reaffirmation of ANSI/ASTM F1284-1999)

Single copy price: $42.00

BSR/ASTM F1521-2003 (R200x), Test Methods for Performance of Range Tops (reaffirmation of ANSI/ASTM F1521-2003)

Single copy price: $36.00

BSR/ASTM F1695-2003 (R200x), Test Method for Performance of Underfired Broilers (reaffirmation of ANSI/ASTM F1695-2003)

Single copy price: $42.00

BSR/ASTM F1784-1997 (R200x), Test Method for Performance of a Pasta Cooker (reaffirmation of ANSI/ASTM F1784-1997 (R2003))

Single copy price: $36.00

BSR/ASTM F1785-1997 (R200x), Test Method for Performance of Steam Kettles (reaffirmation of ANSI/ASTM F1785-1997 (R2003))

Single copy price: $36.00

BSR/ASTM F1787-2003 (R200x), Test Method for Performance of Rotisserie Ovens (reaffirmation of ANSI/ASTM F1787-2003)

Single copy price: $42.00

BSR/ASTM F2174-2002 (R200x), Practice for Verifying Acoustic Emission Sensor Response (reaffirmation of ANSI/ASTM F2174-2002)

Single copy price: $31.00

BSR/ASTM F2237-2003 (R200x), Test Method for Performance of Upright Overfired Broilers (reaffirmation of ANSI/ASTM F2237-2003)

Single copy price: $42.00

BSR/ASTM F2324-2003 (R200x), Test Method for Prerinse Spray Valves (reaffirmation of ANSI/ASTM F2324-2003)

Single copy price: $36.00

Withdrawals

ANSI/ASTM D4241-1999 (R2004), Practice for Design of Gas Turbine Generator Lubricating Oil Systems (withdrawal of ANSI/ASTM D4241-1999 (R2004))

Single copy price: $36.00

ANSI/ASTM D4248-1999 (R2004), Practice for Design of Steam Turbine Generator Oil Systems (withdrawal of ANSI/ASTM D4248-1999 (R2004))

Single copy price: $31.00

ATIS (Alliance for Telecommunications Industry Solutions)

Supplements

BSR ATIS 1000013.a-200x, LAES for Internet Access and Services (supplement to ANSI ATIS 1000013-2007)

This standard identifies the changes (additions and deletions) to ANSI ATIS 1000013-2007.

Single copy price: $96.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerrianne Conn, ATIS; kconn@atis.org

Send comments (with copy to BSR) to: Same

GEI (Greenguard Environmental Institute)

New Standards

BSR/GEI Moisture Management in Buildings-200x, Mold and Moisture Management Standard for New Construction (new standard)

Provides:
- Smart mold prevention practices in building design;
- A protocol for mold prevention construction practices and the Verification of their implementation; and
- A protocol for developing an on-going mold operations and maintenance plan following occupancy.

Single copy price: Free

Obtain an electronic copy from: www.greenguard.org

Order from: Ethleen Howell, GEI; ehowell@greenguard.org

Send comments (with copy to BSR) to: Same

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

New National Adoptions

BSR/INCITS/ISO/IEC 14496-10-200x, Information technology - Coding of audio-visual objects - Part 10: Advanced Video Coding (identical national adoption of ISO/IEC 14496-10:2005)

The use of ISO/IEC 14496-10: 2005 allows motion video to be manipulated as a form of computer data and to be stored on various storage media, transmitted and received over existing and future networks and distributed on existing and future broadcasting channels. In the course of creating ISO/IEC 14496-10: 2005, requirements from a wide variety of applications have been considered, necessary algorithmic elements have been developed, and these have been integrated into a single syntax.

Single copy price: $285.00

Obtain an electronic copy from: http://webstore.ansi.org

Order from: Global Engineering Documents; www.global.ihs.com

Send comments (with copy to BSR) to: Serena Patrick, ITI; spatrick@itic.org

BSR/INCITS/ISO/IEC 19798-200x, Method for the determination of toner cartridge yield for colour printers and multi-function devices that contain printer components (identical national adoption of ISO/IEC 19798:2007)

ISO/IEC 19798:2007 defines a method for testing and calculation of average yield measured in the number of standard pages for a colour toner cartridge and specific printer printing in a semi-continuous mode under a defined set of conditions. It uses the test page suite defined in ISO/IEC 24712. ISO/IEC 19798:2007 can also be applied to the printer component of any multifunctional device that has a digital input-printing path (i.e. multi-function devices that contain printer components). ISO/IEC 19798:2007 is only intended for the measurement of colour toner cartridge yield. No other claims can be made from this testing regarding quality, reliability, etc.

Single copy price: $80.00

Obtain an electronic copy from: http://webstore.ansi.org

Order from: Global Engineering Documents; www.global.ihs.com

Send comments (with copy to BSR) to: Serena Patrick, ITI; spatrick@itic.org

BSR/INCITS/ISO/IEC 24711-200x, Method for the determination of ink cartridge yield for colour inkjet printers and multi-function devices that contain printer components (identical national adoption of ISO/IEC 24711:2007)

ISO/IEC 24711:2007 defines a method for testing and calculation of average yield measured in the number of standard pages for a colour inkjet cartridge and a specific printer printing in a semi-continuous mode under a defined set of conditions. It uses the test page suite defined in ISO/IEC 24712. ISO/IEC 24711:2007 can also be applied to the printer component of any multifunctional device that has a digital input-printing path (i.e. multi-function devices that contain printer components). ISO/IEC 24711 is only intended for the measurement of colour inkjet cartridge yield. No other claims can be made from this testing regarding quality, reliability, etc.

Single copy price: $108.00

Obtain an electronic copy from: http://webstore.ansi.org

Order from: Global Engineering Documents; www.global.ihs.com

Send comments (with copy to BSR) to: Serena Patrick, ITI; spatrick@itic.org

BSR/INCITS/ISO/IEC 14496-10-2005 - Amendment 1-200x, Information technology - Coding of audio-visual objects - Part 10: Advanced video coding - Amendment 1: Support for colour spaces and aspect ratio definitions (identical national adoption of ISO/IEC 14496-10:2005 - Amendment 1:2007)

ISO/IEC 14496-10: 2005 was developed jointly with the ITU-T in response to the growing need for higher compression of moving pictures for various applications such as digital storage media, television broadcasting, Internet streaming and real-time audiovisual communication. It is also designed to enable the use of the coded video representation in a flexible manner for a wide variety of network environments.

Single copy price: $15.00

Obtain an electronic copy from: http://webstore.ansi.org

Order from: Global Engineering Documents; www.global.ihs.com

Send comments (with copy to BSR) to: Serena Patrick, ITI; spatrick@itic.org

BSR/INCITS/ISO/IEC 14496-10-2005 - Amendment 2-200x, Information technology - Coding of audio-visual objects - Part 10: Advanced video coding - Amendment 2: New profiles for professional applications (identical national adoption of ISO/IEC 14496-10:2005 - Amendment 2:2007)

ISO/IEC 14496-10: 2005 was developed jointly with the ITU-T in response to the growing need for higher compression of moving pictures for various applications such as digital storage media, television broadcasting, Internet streaming and real-time audiovisual communication. It is also designed to enable the use of the coded video representation in a flexible manner for a wide variety of network environments.

Single copy price: $167.00

Obtain an electronic copy from: http://webstore.ansi.org

Order from: Global Engineering Documents; www.global.ihs.com

Send comments (with copy to BSR) to: Serena Patrick, ITI; spatrick@itic.org

IWCA (ASC I14) (International Window Cleaning Association)

Revisions

BSR/IWCA I 14.1-200x, Window Cleaning Safety (2009 ver.) (revision of ANSI/IWCA I 14.1-2001)

Identifies accepted safe practices for window cleaning to provide safety to window cleaners and to others, such as a passerby, where window cleaning operations are in progress, by specifying equipment with practical and adequate safety factors and features, and requiring safe use, designa nd maintenance of such equipment. Part A of this Standard has been developed for those who will use the equipment and Part B for those who design, manufacture and install the equipment.

Single copy price: Free

Obtain an electronic copy from: www.iwca.org

Order from: Mandie Bannwarth, IWCA (ASC I14); Mandie@robstan.com

Send comments (with copy to BSR) to: Same

NSF (NSF International)

Revisions

BSR/NSF 51-200x (i8), Food Equipment Materials (revision of ANSI/NSF 51-2007)

Issue 8 - Provides boilerplate updates in the family of food equipment standards and an update on organic coatings relating to non-direct and direct food contact surfaces.

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/group_public/download.php/2473/51i8r1.pdf

Order from: Mindy Costello, NSF; mcostello@nsf.org

Send comments (with copy to BSR) to: Same

BSR/NSF 61-200x (i80), Drinking water system components - Health effects (revision of ANSI/NSF 61-2007a)

Issue 80:
(1) To revise the tolerance for percent relative humidity during mortar cube preparation; and
(2) To provide definitions of different manifold types and clarification on the testing of different manifold types.

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/group_public/download.php/2487/61i80r1.pdf

Order from: Sarah Kozanecki, NSF; kozanecki@nsf.org

Send comments (with copy to BSR) to: Same

BSR/NSF 173-200x (i24r2), Dietary supplements (revision of ANSI/NSF 173-2008)

Issue 24r2: Add modifications to the standard language to define the types of ingredients that are associated with the acceptable limits categories in tables 6A and 6B.

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/group_public/download.php/2501/173i24r2.pdf

Order from: Sarah Kozanecki, NSF; kozanecki@nsf.org

Send comments (with copy to BSR) to: Same

TIA (Telecommunications Industry Association)

Revisions

BSR/TIA 102.CAAA-C-200x, Digital C4FM/CQPSK Transceiver Measurement Methods (revision of ANSI/TIA 102.CAAA-B-2004)

Provides definition, methods of measurement, and performance standards for radio equipment used in the Private (Dispatch) Land Mobile Services that employ C4FM or CQPSK modulation, for transmission and reception of voice or data using digital techniques, with or without encryption, with a frequency of 1 GHz or less.

Single copy price: $239.00

Obtain an electronic copy from: www.global.ihs.com

Order from: Global Engineering Documents; www.global.ihs.com

Send comments (with copy to BSR) to: Ronda Coulter, TIA; rcoulter@tiaonline.org

BSR/TIA 136-000-G-200x, TDMA Third Generation Wireless List of Parts (revision of ANSI/TIA 136.000-F-2006)

TIA/EIA-136 is a multi-part standard that, when taken in total, defines the requirements for a PCS/Cellular system and mobile stations using Time Division Multiple Access (TDMA) technology while also maintaining compatibility with AMPS analog technology.

Single copy price: $55.00

Order from: Global Engineering Documents; www.global.ihs.com

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

BSR/TIA/EIA 136-123-G-200x, TDMA Third Generation Wireless Digital Control Channel Layer 3 (revision and redesignation of ANSI/TIA 136-123-F-2006)

Provides information on digital control channel layer 3.

Single copy price: $334.00

Order from: Global Engineering Documents; www.global.ihs.com

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

BSR/TIA/EIA 136-370-C-200x, TDMA Third Generation Wireless Enhanced General Packet-Data Service (EGPRS-136) (revision and redesignation of ANSI/TIA 136-370-B-2006)

EGPRS-136 integrates the TIA/EIA-136 air interface with the General Packet Radio Service (GPRS) as specified by the European Telecommunications Standards Institute (ETSI) and the Third-Generation Partnership Project (3GPP). Specifically, EGPRS-136 supports a packet data service on a 200-kHz air interface as specified in ETSI TS 145 001.

Single copy price: $97.00

Order from: Global Engineering Documents; www.global.ihs.com

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

BSR/TIA/EIA 136-376-C-200x, TDMA Third Generation Wireless Enhanced General Packet-Data Service (EGPRS-136) Mobility Management (MM) (revision of ANSI/TIA/EIA 136-376-B-2006)

Specifies EGPRS-136 mobile station functions related to mobility management.

Single copy price: $147.00

Order from: Global Engineering Documents; www.global.ihs.com

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

BSR/TIA/EIA 136-377-C-200x, TDMA Third Generation Wireless EGPRS-136 Gs Interface Specifications (revision and redesignation of ANSI/TIA/EIA 136-377-B-2006)

Connects the Gateway MSC/VLR and the SGSN in the EGPRS-136 network architecture (see TIA/EIA 136-370). This standard lists the layer-3 procedures and messages applicable to the Gs interface in an EGPRS-136 network. It also describes the association between a Gateway MSC/VLR and an SGSN.

Single copy price: $57.00

Order from: Global Engineering Documents; www.global.ihs.com

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

BSR/TIA/EIA 136-440-C-200x, TDMA Third Generation Wireless Adaptive Multi Rate (AMR) Codec (revision and redesignation of ANSI/TIA/EIA 136.440-B-2006)

Provides a description of the AMR speech service, including speech coding, channel coding and link adaptation.

Single copy price: $170.00

Order from: Global Engineering Documents; www.global.ihs.com

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

Reaffirmations

BSR/TIA 464-C-1-2004 (R200x), Telecommunications Multiline Terminal Systems Requirements for PBX Switching Equipment - Addendum 1 (reaffirmation of ANSI/TIA 464-C-1-2004)

Updates ANSI/TIA 464-C to make it in-line with the new changes in ANSI/TIA 968-A and ANSI/TIA 968-A-1 standards mandated by FCC for Part 68 product registration and the new changes in analog telephone SLR values in the latest revision of ANSI/TIA 470.110-C. This standard also corrects the editorial mistakes in the existing ANSI/TIA 464-C standard.

Single copy price: $55.00

Obtain an electronic copy from: www.global.ihs.com

Order from: Global Engineering Documents; www.global.ihs.com

Send comments (with copy to BSR) to: Ronda Coulter, TIA; rcoulter@tiaonline.org

BSR/TIA 605-1992 (R200x), Facsimile DCE-DTE Packet Protocol Standard (reaffirmation of ANSI/TIA 605-1992 (R2002))

Describes a Facsimile DCE-to-DTE Packet Protocol. This protocol is designed to detect the loss of octets sent by the Facsimile DCE to the DTE due to DTE inability to service the input channel.

Single copy price: $63.00

Obtain an electronic copy from: www.global.ihs.com

Order from: Global Engineering Documents; www.global.ihs.com

Send comments (with copy to BSR) to: Ronda Coulter, TIA; rcoulter@tiaonline.org

BSR/TIA 631-A-2002 (R200x), Telecommunications - Telephone Terminal Equipment - Radio Frequency Immunity Requirements (reaffirmation of ANSI/TIA 631-A-2002)

Specifies Radio Frequency (RF) immunity performance criteria for two-wire Telephone Terminal Equipment (TTE) having an acoustic output and two-wire TTE adjunct devices with connection port for Telephone Terminal Equipment (TTE) having an acoustic output.

Single copy price: $87.00

Obtain an electronic copy from: www.global.ihs.com

Order from: Global Engineering Documents; www.global.ihs.com

Send comments (with copy to BSR) to: Ronda Coulter, TIA; rcoulter@tiaonline.org

UL (Underwriters Laboratories, Inc.)

New Standards

BSR/UL 1241-200x, Junction Boxes for Swimming Pool Luminaires (Proposal dated 9-12-08) (new standard)

Covers junction boxes for use with swimming pool luminaires intended for installation and use in accordance with the National Electrical Code, NFPA 70.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Barbara Davis, UL-CA, Barbara.J.Davis@us.ul.com

Revisions

BSR/UL 174-200x, Standard for Safety for Household Electric Storage Tank Water Heaters (Proposal document dated 9/12/08) (revision of ANSI/UL 174-2005)

Proposal topics include:
(1) New definitions for operating and protective controls;
(2) New and revised requirements for temperature-regulating controls; and
(3) New and revised requirements for temperature-limiting controls.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Vickie Hinton, UL-NC; Vickie.T.Hinton@us.ul.com

BSR/UL 489-200x, Standard for Safety for Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit-Breaker Enclosures (Proposal dated September 12, 2008) (revision of ANSI/UL 489-2006)

Covers:
(1) NEC Section 110.14(C)(1);
(2) Steel as a current-carrying part;
(3) Reconciling Type B test conditions;
(4) Ignition-protected devices test;
(5) Interrupting test;
(6) Overload test;
(7) Voltage ratings;
(8) Single-pole 1200-A circuit breakers;
(9) 135-percent calibration test;
(10) Naval-use circuit breakers;
(11) Lock-on devices;
(12) Non-time delay circuit breakers;
(13) Flammability test;
(14) Supplement SC;
(15) Min and max ampere ratings;
(16) Frame Size in Table 7.1.3.1; and
(17) Corrections

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Patricia Sena, UL-NY; Patricia.A.Sena@us.ul.com

BSR/UL 1449-200x, Standard for Surge Protective Devices (revision of ANSI/UL 1449-2006)

(1) Glossary revisions;
(2) Addition of SPD type designation;
(3) Additional requirements for the grounding wire and grounding path;
(4) Clarification for grounding requirement where a hinged cover is employed;
(5) Clarification of switch rating;
(6) Addition of line-neutral (L-N) reversal during component failure analysis and limited energy evaluation;
(7) Expansion and clarification of test method for capacitors;
(8) Addition of primary circuit communication protectors employed within Type 1 SPDs;
(9) Revisions to the test methods for surge testing, Section 37;
(10) Clarification of testing in operational voltage test, Section 38;
(11) Revisions to the test methods for current testing, Section 39;
(12) Addition of optional test method to decrease high current lab time;
(13) Addition of Section 59C, Capacitor Discharge;
(14) Addition of component standard references to Appendix A (Component List of Standards) and affected paragraphs;
(15) Editorial corrections;
(16) Flowchart clarifications.

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: Mitchell Gold, UL-IL; Mitchell.Gold@us.ul.com

BSR/UL 1564-200x, Standard for Safety for Industrial Battery Chargers, (Proposal document dated 9/12/08) (revision of ANSI/UL 1564-2006)

Proposal topics include:
(1) Spacing of transformer windings to the core;
(2) Revision to requirements for securing grounding conductors to the enclosure; and
(3) Revision to the requirements for polarized connectors in supplement SA.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Vickie Hinton, UL-NC; Vickie.T.Hinton@us.ul.com

BSR/UL 2390-200x, Standard for Test Method for Wind Resistant Asphalt Shingles with Sealed Tabs (revision of ANSI/UL 2390-2004)

Reaffirms the First Edition of the Standard for Tests for Wind Resistant Asphalt Shingles with Sealed Tabs, UL 2390, 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: Amy Walker, UL-IL; Amy.K.Walker@us.ul.com

VITA (VMEbus International Trade Association (VITA))

New Standards

BSR/VITA 42.0-200x, XMC (new standard)

Defines an open standard for supporting high-speed, switched interconnect protocols on an existing, widely deployed mezzanine module form factor.

Single copy price: Free

Obtain an electronic copy from: techdir@vita.com

Send comments (with copy to BSR) to: John Rynearson, VITA; techdir@vita.com

Comment Deadline: November 11, 2008

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

ANS (American Nuclear Society)

Reaffirmations

BSR/ANS 6.1.2-1999 (R200x), Neutron and Gamma-Ray Cross Sections for Nuclear Radiation Protection Calculations for Nuclear Power Plants (reaffirmation of ANSI/ANS 6.1.2-1999)

Specifies neutron and gamma-ray cross sections and related group-averaged or derived data for the energy range and materials of importance in nuclear radiation protection and shielding calculations for nuclear power plants.

Single copy price: $31.00

Obtain an electronic copy from: PSchroeder@ans.org

Order from: Patricia Schroeder, ANS; pschroeder@ans.org

Send comments (with copy to BSR) to: Same

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

Supplements

BSR/ASHRAE Addendum d to ANSI/ASHRAE Standard 55P-2004, Thermal Environmental Conditions for Human Occupancy (supplement to ANSI/ASHRAE Standard 55P-2004)

Allows air speed to be used to cool people indoors efficiently, in the temperature range 22.5 - 26 C (72.5 - 79 F) as a way to improve comfort. The standard currently allows modest increases in operative temperature beyond the PMV-PPD (“Computer Model Method” in the standard) limits as a function of airspeed and turbulence intensity. Field studies show that occupants, especially when neutral or slightly warm, prefer higher airspeeds than currently allowed. Bases for selecting these limits are provided, as are alternatives for determining the boundaries of comfort at air speeds above 0.15 m/s.

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 e to ANSI/ASHRAE Standard 55P-2004, Thermal Environmental Conditions for Human Occupancy (supplement to ANSI/ASHRAE Standard 55P-2004)

Clarifies and simplifies Section 6. Fewer requirements are listed in the proposed version, each of which is intended to be a clear and quantifiable requirement that can be met by Designers and other HVAC professionals, thus making it easier to determine whether documentation is adequate for compliance with Standard 55. The use of subjective compliance and documentation requirements and the use of informative language are eliminated throughout the section.

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BSR/ASHRAE Addendum g to ANSI/ASHRAE Standard 55P-2004, Thermal Environmental Conditions for Human Occupancy (supplement to ANSI/ASHRAE Standard 55P-2004)

Revises Section 7.6.2.1 and Informative Appendix E. It is intended to clarify and improve the requirements for thermal comfort surveys and to provide better guidance on surveys and updated sample survey forms in Appendix E.

Single copy price: $35.00

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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 B107.11-200x, Pliers - Diagonal Cutting and End Cutting (revision of ANSI/ASME B107.11M-2002)

Provides performance and safety requirements for pliers suitable for cutting wire. Pliers shall have cutting edges diagonal to or at right angles to their longitudinal axis. This Standard may be used as a guide by state authorities or other regulatory bodies in the formulation of laws or regulations. It is also intended for voluntary use by establishments that manufacture the tools covered.

Single copy price: $20.00

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: Jack Karian, ASME; karianj@asme.org

BSR/ASME B107.16-200x, Shears (Metal Cutting, Hand) (revision of ANSI/ASME B107.16-1998 (R2004))

Provides performance and safety requirements for hand shears generally used for cutting sheet metal. This Standard may be used as a guide by state authorities or other regulatory bodies in the formulation of laws or regulations. It is also intended for voluntary use by establishments that manufacture the tools covered. This Standard is also meant to serve as a guide in developing manuals and visual aids for training personnel to work safely.

Single copy price: $20.00

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: Jack Karian, ASME; karianj@asme.org

Reaffirmations

BSR/ASME B18.13.1M-1998 (R200x), Screw and Washer Assemblies: Sems (Metric Series) (reaffirmation of ANSI/ASME B18.13.1M-1998 (R2003))

Covers the general and dimensional data pertinent to the various types of screw and captive washer assemblies, otherwise known as sems. The word “sems” is recognized in the United States as a generic term applicable to screw and washer assemblies. Also included in this Standard are appendices to illustrate relative proportions of plain and conical washer sems and provide documentation on washer dimensions for sems with screw types and head styles that have been relegated to "not recommended for new design" status.

Single copy price: $44.00

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: Ryan Crane, ASME; craner@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:

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

ANSI INCITS TR-409.7-2008, Information Technology - Biometric Performance Testing and Reporting - Part 7: Framework for Testing Methodologies for Specific Modalities (Technical Report) (technical report)

UL (Underwriters Laboratories, Inc.)

BSR/UL 13-200x, Standard for Power-Limited Circuit Cables (revision of ANSI/UL 13-2007)

Correction

Retraction

ANSI INCITS/TR-409.7-200x

ANSI INCITS/TR-409.7-2008, Information Technology - Biometric Performance Testing and Reporting - Part 7: Framework for Testing Methodologies for Specific Modalities (Technical Report), which was announced in the August 15, 2008 issue of Standards Action, is hereby retracted.

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:

ANS
American Nuclear Society
555 North Kensington Avenue
La Grange Park, IL 60525
Phone: (708) 579-8269
Fax: (708) 352-6464
Web: www.ans.org/main.html

ANSI
American National Standards Institute
25 West 43rd Street
4th Floor
New York, NY 10036
Phone: (212) 642-4980

ASA (ASC S12)
ASC S12
35 Pinelawn Road, Suite 114E
Melville, NY 11747
Phone: (631) 390-0215
Fax: (631) 390-0217
Web: asa.aip.org/index.html

ASB (ASC Z50)
TNA North America
P.O. Box 35
Williamsport, PA 17703-0035
Phone: (570) 494-1718
Fax: (570) 494-1782
Web: www.asbe.org

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

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

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

comm2000
1414 Brook Drive
Downers Grove, IL 60515

GEI
Greenguard Environmental Institute
1341 Capital Circle, Suite A
Marietta, GA 30067
Phone: (800) 427-9681, ext. 225
Fax: (770) 980-0072
Web: www.greenguard.org

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

IWCA (ASC I14)
ASC I14
14 West 3rd St., Suite 200
Kansas City, MO 64105
Phone: (800) 875-4922
Fax: (816) 472-7765
Web: www.iwca.org

NSF
NSF International
P.O. Box 130140
789 N. Dixboro Road
Ann Arbor, MI 48113-0140
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Send comments to:

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ASA (ASC S12)
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35 Pinelawn Road Suite 114E
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ASB (ASC Z50)
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Web: www.asbe.org

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Web: www.ashrae.org

ASME
American Society of Mechanical Engineers
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Phone: (212) 591-7004
Fax: (212) 591-8501
Web: www.asme.org

ASQ
American Society for Quality
600 N Plankinton Ave
Milwaukee, WI 53203
Phone: (800) 248-1946, ext. 7736
Fax: (414) 270-8809
Web: www.asq.org

ASTM
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Web: www.astm.org

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1200 G Street NW, Ste 500
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333 Pfingsten Road
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Phone: (847) 664-2023
Fax: (847) 313-2850

UL-NC
Underwriters Laboratories, Inc.
12 Laboratory Drive
Research Triangle Park, NC 27709-3995
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Fax: (919) 547-6180

UL-NY
Underwriters Laboratories, Inc.
1285 Walt Whitman Road
Melville, NY 11747-3081
Phone: (631) 271-6200, ext 22735, or 803-787-1398

VITA
VMEbus International Trade Association (VITA)
PO Box 19658
Fountain Hills, AZ 85269
Phone: (480) 837-7486
Web: www.vita.com/

Call for Members (ANS Consensus Bodies)

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

ASA (ASC S3) (Acoustical Society of America)

Office: 35 Pinelawn Road Suite 114E
Melville, NY 11747
Contact: *Susan Blaeser*
Phone: (631) 390-0215
Fax: (631) 390-0217
E-mail: sblaeser@aip.org; asastds@aip.org

BSR S3.41-1990 (R200x), Audible Emergency Evacuation Signal (reaffirmation of ANSI S3.41-1990 (R2001))

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

Office: 1250 Eye Street, NW, Suite 200
Washington, DC 20005
Contact: *Serena Patrick*
Phone: 202-626-5741
Fax: 202-638-4922
E-mail: spatrick@itic.org

BSR/INCITS/ISO/IEC 14496-10-200x, Information technology - Coding of audio-visual objects - Part 10: Advanced Video Coding (identical national adoption of ISO/IEC 14496-10:2005)

BSR/INCITS/ISO/IEC 19798-200x, Method for the determination of toner cartridge yield for colour printers and multi-function devices that contain printer components (identical national adoption of ISO/IEC 19798:2007)

BSR/INCITS/ISO/IEC 24711-200x, Method for the determination of ink cartridge yield for colour inkjet printers and multi-function devices that contain printer components (identical national adoption of ISO/IEC 24711:2007)

BSR/INCITS/ISO/IEC 14496-10-2005 - Amendment 1-200x, Information technology - Coding of audio-visual objects - Part 10: Advanced video coding - Amendment 1: Support for colour spaces and aspect ratio definitions (identical national adoption of ISO/IEC 14496-10:2005 - Amendment 1:2007)

BSR/INCITS/ISO/IEC 14496-10-2005 - Amendment 2-200x, Information technology - Coding of audio-visual objects - Part 10: Advanced video coding - Amendment 2: New profiles for professional applications (identical national adoption of ISO/IEC 14496-10:2005 - Amendment 2:2007)

TIA (Telecommunications Industry Association)

Office: 2500 Wilson Blvd
Arlington, VA 22201
Contact: *Ronda Coulter*
Phone: 703 907-7974
Fax: 703 907-7728
E-mail: rcoulter@tiaonline.org

BSR/TIA 102.CAAA-C-200x, Digital C4FM/CQPSK Transceiver Measurement Methods (revision of ANSI/TIA 102.CAAA-B-2004)

BSR/TIA 464-C-1-2004 (R200x), Telecommunications Multiline Terminal Systems Requirements for PBX Switching Equipment, Addendum 1 (reaffirmation of ANSI/TIA 464-C-1-2004)

BSR/TIA 605-1992 (R200x), Facsimile DCE-DTE Packet Protocol Standard (reaffirmation of ANSI/TIA 605-1992 (R2002))

BSR/TIA 631-A-2002 (R200x), Telecommunications - Telephone Terminal Equipment - Radio Frequency Immunity Requirements (reaffirmation of ANSI/TIA 631-A-2002)

Final actions on American National Standards

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

ASA (ASC S12) (Acoustical Society of America)

Revisions

ANSI/ASA S12.6-2008a, Methods for Measuring the Real-Ear Attenuation of Hearing Protectors (revision and redesignation of ANSI S12.6-1997 (R2002)): 9/3/2008

ANSI/ASA S12.6-2008b, Methods for Measuring the Real-Ear Attenuation of Hearing Protectors (revision and redesignation of ANSI S12.6-1997 (R2002)): 9/3/2008

ASME (American Society of Mechanical Engineers)

Reaffirmations

ANSI/ASME B29.8-2002 (R2008), Leaf Chain, Clevises, and Sheaves (reaffirmation of ANSI/ASME B29.8-2002): 9/3/2008

ANSI/ASME B29.300-1998 (R2008), Agricultural, Detachable, and Pintle Chains, Attachments and Sprockets (reaffirmation of ANSI/ASME B29.300-1998): 9/3/2008

ANSI/ASME B29.400-2001 (R2008), Combination, "H" Type Mill Chains and Sprockets (reaffirmation and redesignation of ANSI/ASME B29.11M-2001 and ANSI/ASME B29.14M-2001): 9/3/2008

ANSI/ASME B107.27-2003 (R2008), Pliers: Multiple Position, Electrical Connector (reaffirmation of ANSI/ASME B107.27-2003): 9/4/2008

Revisions

ANSI/ASME B18.31.1M-2008, Metric Continuous and Double End Studs (revision of ANSI/ASME B18.31.1M-2005): 9/3/2008

ANSI/ASME B107.54-2008, Heavy Striking Tools (revision of ANSI/ASME B107.54-2001): 9/4/2008

ATIS (Alliance for Telecommunications Industry Solutions)

New Standards

ANSI ATIS 1000017-2008, Interworking between the ISDN User-Network Interface Protocol and the Session Initiation Protocol (SIP) with ANSI Extensions to the Narrowband Signaling Syntax (NSS) (new standard): 9/3/2008

CEA (Consumer Electronics Association)

New Standards

ANSI/CEA 2031-2008, Testing and Measurement Methods for Mobile Loudspeaker Systems (new standard): 9/3/2008

IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)

New Standards

ANSI C63.9-2008, RF Immunity of Audio Office Equipment to General Use Transmitting Devices with Transmitter Power Levels up to 8 Watts (new standard): 9/5/2008

IEEE (Institute of Electrical and Electronics Engineers)

Reaffirmations

ANSI/IEEE 1378-1997 (R2008), Guide for Commissioning High-Voltage Direct-Current (HVDC) Converter Stations and Associated Transmission Systems (reaffirmation of ANSI/IEEE 1378-1997 (R2002)): 9/3/2008

ANSI/IEEE 1523-2002 (R2008), Guide for the Application, Maintenance, and Evaluation of Room Temperature Vulcanising (RTV) Silicone Rubber Coatings for Outdoor Ceramic Insulators (reaffirmation of ANSI/IEEE 1523-2002): 8/21/2008

ANSI/IEEE C37.10-1996 (R2008), Guide for Diagnostics and Failure Investigation of Power Circuit Breakers (reaffirmation of ANSI/IEEE C37.10-1996 (R2002)): 9/3/2008

ANSI/IEEE C37.94-2002 (R2008), Standard for N Times 64 Kilobit Per Second Optical Fiber Interfaces Between Teleprotection and Multiplexer Equipment (reaffirmation of ANSI/IEEE C37.94-2002): 9/3/2008

ANSI/IEEE C57.105-1992 (R2008), Guide for Application of Transformer Connections in Three-Phase Distribution Systems (reaffirmation of ANSI/IEEE C57.105-1992 (R1999)): 9/3/2008

Revisions

ANSI/IEEE C57.13-2008, Standard Requirements for Instrument Transformers (revision of ANSI/IEEE C57.13-2003): 9/3/2008

NFPA2 (National Fluid Power Association)

New Standards

ANSI/(NFPA) T3.21.8-2008, Pneumatic fluid power - Measurement of response time - Directional control valves (new standard): 9/3/2008

Revisions

ANSI/(NFPA) T3.21.3-2008, Pneumatic fluid power - Flow rating test procedure and reporting method - For fixed orifice components (revision of ANSI/(NFPA) T3.21.3-1990 (R1997)): 9/3/2008

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

Reaffirmations

ANSI/CGATS ISO 12639-2004 (R2008), Graphic technology - Prepress digital data exchange - Tag image file format for image technology (TIFF/IT) (reaffirmation of ANSI/CGATS 12639-2004): 9/3/2008

NSF (NSF International)

Revisions

ANSI/NSF 14-2008 (i22), Plastics piping system components and related materials (revision of ANSI/NSF 14-2007): 8/26/2008

ANSI/NSF 50-2008 (i43), Circulation system components and related materials for swimming pools, spas/hot tubs (revision of ANSI/NSF 50-2007): 8/22/2008

SCTE (Society of Cable Telecommunications Engineers)

Revisions

ANSI/SCTE 05-2008, Test Method for “F” Connector Return Loss In-Line Pair (revision of ANSI/SCTE 05-1999): 9/3/2008

ANSI/SCTE 53-2008, Methods for Asynchronous Data Services Transport (revision of ANSI/SCTE 53-2002): 9/3/2008

Withdrawals

ANSI/SCTE 80-2003, In-Band Data Broadcast Standard including Out-of-Band Announcements (withdrawal of ANSI/SCTE 80-2003): 9/3/2008

SPRI (Single Ply Roofing Institute)

Revisions

ANSI/SPRI WD-1-2008, Wind Design Standard Practice for Roofing Assemblies (revision of ANSI/SPRI WD-1-2007): 9/3/2008

TIA (Telecommunications Industry Association)

Revisions

ANSI/TIA 102.CAAA-C-2008, Digital C4FM/CQPSK Transceiver Measurement Methods (revision of ANSI/TIA 102.CAAA-B-2004): 9/4/2008

UL (Underwriters Laboratories, Inc.)

New Standards

ANSI/UL 1286-2008, Office Furnishings (new standard): 8/28/2008

Reaffirmations

ANSI/UL 47-2004 (R2008), Semiautomatic Fire Hose Storage Devices (reaffirmation of ANSI/UL 47-2004): 8/28/2008

ANSI/UL 401-2004 (R2008), Portable Spray Hose Nozzles for Fire-Protection Service (reaffirmation of ANSI/UL 401-2004): 8/28/2008

ANSI/UL 405-2004 (R2008), Fire Department Connections (reaffirmation of ANSI/UL 405-2004): 8/28/2008

ANSI/UL 668-2004 (R2008), Hose Valves for Fire-Protection Service (reaffirmation of ANSI/UL 668-2004): 8/28/2008

Revisions

ANSI/UL 5A-2008, Nonmetallic Surface Raceways and Fittings (revision of ANSI/UL 5A-2003): 8/19/2008

ANSI/UL 758-2008, Appliance Wiring Material (Proposal dated August 29, 2008) (revision of ANSI/UL 758-2008): 9/3/2008

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.

ATIS (Alliance for Telecommunications Industry Solutions)

Office: 1200 G Street NW, Ste 500
Washington, DC 20005

Contact: *Kerrianne Conn*

Fax: 202-347-7125

E-mail: kconn@atis.org

BSR/ATIS 0100022-200x, Priority Classification Levels for Next Generation Networks (new standard)

Stakeholders: Communications industry.

Project Need: To define a metric that can gauge the ability of an IP network to deliver transaction services in an acceptable manner.

Defines a metric that can gauge the ability of an IP network to deliver transaction services in an acceptable manner. Transactions such as Voice over IP calls are either successfully completed as required; otherwise, they are considered to be “defects”. The DPM metric is defined as the ratio of all defective transactions to the total number of transactions attempted over a pre-determined period normalized, by a factor of one million.

AWS (American Welding Society)

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

Contact: *Rosalinda O'Neill*

Fax: (800) 443-5951

E-mail: roneill@aws.org

BSR/AWS B5.14-200x, Specification for the Qualification of Welding Sales Representatives (revision of ANSI/AWS B5.14-2002)

Stakeholders: Welding equipment manufacturers, suppliers, and users, welding sales representatives.

Project Need: To define the requirements for qualification of Welding Sales Representatives employed in the welding industry. The typical functions, required education and experience, examination requirements, requalification, and suggested reference material are defined in this standard.

Establishes the minimum requirements to qualify as a Welding Sales Representative. This qualification is based on the individual's education and experience, and their ability to pass an examination.

NSF (NSF International)

Office: P.O. Box 130140
789 N. Dixboro Road
Ann Arbor, MI 48113-0140

Contact: *Lorna Badman*

Fax: (734) 827-6831

E-mail: badman@nsf.org

BSR/NSF 3-A 14159-2-200x, Hygiene requirements for the design of hand held tools used in meat and poultry processing equipment (revision of ANSI/NSF 3-A 14159-2-2003)

Stakeholders: Regulatory members, consumers, industry representatives, testing laboratories.

Project Need: To conduct the 5-year review.

Issue 2 - Conduct the 5-year review.

SCTE (Society of Cable Telecommunications Engineers)

Office: 140 Philips Road
Exton, PA 19341

Contact: *Rebecca Quartapella*

Fax: 610-363-5898

E-mail: rquartapella@scte.org

BSR/SCTE 85-4-200x, HMS Common Inside Plant Management Information Base (MIB) SCTE-HMS-HE-OPTICAL-SWITCH-MIB (revision of ANSI/SCTE 85-4-2003)

Stakeholders: Cable Telecommunications Industry.

Project Need: To update to current technology.

Provides MIB definitions for HMS optical switch equipment present in the headend (or indoor) and is supported by a SNMP agent.

American National Standards Maintained Under Continuous Maintenance

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

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

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

- AAMI
- AAMVA
- AGA
- AGRSS, Inc.
- ASHRAE
- ASME
- ASTM
- GEIA
- 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 Henrietta Scully, at ANSI's New York offices. The final date for offering comments is listed after each draft.

Ordering Instructions

ISO Drafts can be made available 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.

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

ISO 7396-1/DAmd1, Medical gas pipeline systems - Part 1: Pipeline systems for compressed medical gases and vacuum - Draft Amendment 1 - 12/6/2008, $29.00

LABORATORY GLASSWARE AND RELATED APPARATUS (TC 48)

ISO/DIS 10991, Micro process engineering - Terminology - 12/6/2008, $33.00

LEATHER (TC 120)

ISO/DIS 28499-1, Buffalo hides and buffalo calf skins - Part 1: Description of defects - 12/7/2008, $33.00

ISO/DIS 28499-2, Buffalo hides and buffalo calf skins - Part 2: Grading on the basis of mass and size - 12/7/2008, $33.00

ISO/DIS 28499-3, Buffalo hides and buffalo calf skins - Part 3: Grading on the basis of defects - 12/7/2008, $29.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 11545, Agricultural irrigation equipment - Centre-pivot and moving lateral irrigation machines with sprayer or sprinkler nozzles - Determination of uniformity of water distribution - 12/6/2008, $71.00

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).

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 5983-1/Cor1:2008, Animal feeding stuffs - Determination of nitrogen content and calculation of crude protein content - Part 1: Kjeldahl method - Corrigendum, FREE

CRYOGENIC VESSELS (TC 220)

ISO 21009-1:2008, Cryogenic vessels - Static vacuum-insulated vessels - Part 1: Design, fabrication, inspection and tests, $220.00

EARTH-MOVING MACHINERY (TC 127)

ISO 16714:2008, Earth-moving machinery - Recyclability and recoverability - Terminology and calculation method, $65.00

GLASS IN BUILDING (TC 160)

ISO 25537:2008, Glass in building - Silvered, flat-glass mirror, $73.00

IMPLANTS FOR SURGERY (TC 150)

ISO 5832-12/Cor1:2008, Implants for surgery - Metallic materials - Part 12: Wrought cobalt-chromium-molybdenum alloy - Corrigendum, FREE

INDUSTRIAL TRUCKS (TC 110)

ISO 22915-2:2008, Industrial trucks - Verification of stability - Part 2: Counterbalanced trucks with mast, $49.00

ISO 22915-3:2008, Industrial trucks - Verification of stability - Part 3: Reach and straddle trucks, $57.00

NON-DESTRUCTIVE TESTING (TC 135)

ISO 11699-1:2008, Non-destructive testing - Industrial radiographic film - Part 1: Classification of film systems for industrial radiography, $65.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 13736:2008, Determination of flash point - Abel closed-cup method, $104.00

PHOTOGRAPHY (TC 42)

ISO 18938:2008, Imaging materials - Optical discs - Care and handling for extended storage, $110.00

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

ISO 8085-1/Cor1:2008, Polyethylene fittings for use with polyethylene pipes for the supply of gaseous fuels - Metric series - Specifications - Part 1: Fittings for socket fusion using heated tools - Corrigendum, FREE

ISO 8085-2/Cor2:2008, Polyethylene fittings for use with polyethylene pipes for the supply of gaseous fuels - Metric series - Specifications - Part 2: Spigot fittings for butt fusion, for socket fusion using heated tools and for use with electrofusion fittings - Corrigendum, FREE

ISO 8085-3/Cor2:2008, Polyethylene fittings for use with polyethylene pipes for the supply of gaseous fuels - Metric series - Specifications - Part 3: Electrofusion fittings - Corrigendum, FREE

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 3858:2008, Rubber compounding ingredients - Carbon black - Determination of light transmittance of toluene extract, $49.00

ISO 5771:2008, Rubber hoses and hose assemblies for transferring anhydrous ammonia - Specification, $80.00

SAFETY OF MACHINERY (TC 199)

ISO 29042-1:2008, Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 1: Selection of test methods, $57.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 7547/Cor1:2008, Air-conditioning and ventilation of accommodation spaces on board ships - Design conditions and basis of calculations - Corrigendum, FREE

THERMAL INSULATION (TC 163)

ISO 24353:2008, Hygrothermal performance of building materials and products - Determination of moisture adsorption/desorption properties in response to humidity variation, $92.00

ISO Technical Reports

PAPER, BOARD AND PULPS (TC 6)

ISO/TR 25477:2008, Paper, board and pulps - Basic guidelines for image analysis measurements, $43.00

ISO/IEC Guides

OTHER

ISO/IEC Guide 77-2:2008, Guide for specification of product properties and classes - Part 2: Technical principles and guidance, $129.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 19757-4/Cor1:2008, Information technology - Document Schema Definition Languages (DSDL) - Part 4: Namespace-based Validation Dispatching Language (NVDL) - Corrigendum, FREE

Proposed Foreign Government Regulations

Call for Comment

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

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

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

Correction to Final Actions

ANSI/AAMI ST79-2006/A1-2008

ANSI/AAMI ST79-2007/A1-2008, Verification of Cleaning, was listed in the Final Actions section of the September 28th issue of Standards Action. Additional information about the addenda included in this publication was added after the standard's listing was published. Here is the complete designation:

ANSI/AAMI ST79-2006/A1-2008
(included with this approval are the following Addendas:
A1.1 – Verification of cleaning
A1.2 – Revision of figure 4 and figure 5
A1.3 – Internal Chemical indicators - negatives without comments
A1.4 – Biological testing after sterilization process failure
A1.5 – Testing sterilization cycles
A1.6 – Qualification testing of table-top sterilizers
A1.7 – Cleaning verification tests - negatives without comments
A1.8 – TASS)

ANSI Accredited Standards Developers

Approval of Reaccreditation

IEEE

ANSI's Executive Standards Council has approved the reaccreditation of IEEE, an ANSI Organizational Member, under its revised 2007-2008 standards board operating manual and bylaws, effective September 3, 2008. For additional information, please contact: Mr. David Ringle, Manager, IEEE-SA Governance, Policy & Procedures, IEEE Standards Activities Department, 445 Hoes Lane, Piscataway, NJ 08854; PHONE: (732) 562-3806; FAX: (732) 875-0524; E-mail: d.ringle@ieee.org.

International Organization for Standardization (ISO)

Calls for International Secretariats

ISO/TC 121 – Anaesthetic and respiratory equipment

The Member Bodies of ISO have been contacted regarding the re-allocation, from the United Kingdom (BSI), of the Secretariat of ISO/TC 121.

The Technical Committee has the following scope:

Standardization of anaesthetic and respiratory equipment and supplies, related devices and supply systems.

Information concerning the United States undertaking the role of international secretariat for this ISO Technical Committee may be obtained by contacting Henrietta Scully at ANSI via e-mail at isot@ansi.org.

ISO/TC 188 – Small craft

The Member Bodies of ISO have been contacted regarding the re-allocation, from the Sweden (SIS), of the Secretariat of ISO/TC 188.

The Technical Committee has the following scope:

Standardization of equipment and construction details of recreational craft, and other small craft using similar equipment, up to 24 metres length of the hull.

Excluded:

- lifeboats and lifesaving equipment covered by ISO/TC 8.

Information concerning the United States undertaking the role of international secretariat for this ISO Technical Committee may be obtained by contacting Henrietta Scully at ANSI via e-mail at isot@ansi.org.

Call for Systematic Review

IWA 4:2005 – Quality management systems – Guidelines for the application of ISO 9001:2000 in local government

Comment Deadline: October 10, 2008

Responding to the procedure of an ISO standard being presented for a first systematic review three years after its publication, ANSI, as a member of ISO's Technical Management Board (TMB), has been requested to respond concerning either confirmation, revision or withdrawal of this International Workshop Agreement.

The recommendations received will be sent to the ANSI International Committee (AIC) for consideration as to the final US position.

Anyone wishing to send a recommendation regarding the continuance or withdrawal of this ISO publication should contact Henrietta Scully via email: hscully@ansi.org by October 10, 2008.

Proposal for a New Field of ISO Technical Work

Sustainability Criteria for Biofuel

Comment Deadline: October 10, 2008

ABNT (Brazil) and DIN (Germany) have jointly submitted to ISO a proposal for a new field of ISO technical activity on Solid Biofuels, with the following proposed scope:

> Standardization in the field of sustainability criteria and the assessment of them for the production, supply chain and application of biofuel. This includes: Terminology, general characteristics with regard to environmental aspects (including biodiversity and GHG balance) and social aspects.

A copy of the proposal can be obtained for review by contacting Henrietta Scully of ANSI via e-mail at hscully@ansi.org.

Responses on the proposal should be sent to Steven Cornish of ANSI via e-mail at scornish@ansi.org by close of business on October 10, 2008. Comments received will be compiled and presented for the AIC's endorsement to be submitted to ISO.

Meeting Notice

Joint Meeting of CGATS SC3 (Metrology), CGATS SC4 (Process Control) and the US TAG to ISO TC 130 WG3 (Process Control and Related Metrology) and ISO TC 130 WG4 (Media and Materials)

A joint meeting of CGATS SC3 (Metrology), CGATS SC4 (Process Control) and the US TAG to ISO TC 130 WG3 and WG4 will be held November 12-13 in Rochester, NY. This meeting is open to anyone having an interest. Users in the printing and publishing industry are especially encouraged to participate. For additional information, contact Debbie Orf, NPES, at dorf@npes.org or (703) 264-7200.

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

Public Review Draft

ASHRAE® Standard

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

First Public Review (September 2008) (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 1-800-527-4723 (for orders in the U.S. or Canada).

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

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

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

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

Foreword

This informative appendix provides guidance on the cooling effect of elevated air speed at humidity and clo levels that are not addressed in Figure 5.2.3. This method may be of particular use in environments where passive cooling is utilized, or in hot and humid climates.

INFORMATIVE APPENDIX F: Procedure for Evaluating Eooling Effect of Elevated Air Speed Using SET*

The cooling effect of elevated air speed in warmer thermal environments at various combinations of metabolism and convective, radiant and evaporative heat exchange can be estimated using the calculated difference in SET*. This can be done using the ASHRAE Thermal Comfort Tool or similar software.

1. Enter the Air Temperature, Radiant Temperature, Relative Humidity, Clo value and Met rate.
2. Set your elevated air velocity (0.15 m/s to 3 m/s)
3. Note the calculated value for SET* in the output data
4. Now reduce the air speed to 0.15 m/s
5. The SET* will be different from the previous value.
6. Calculate the difference between the two SET* values
7. This is the cooling effect of the elevated air speed.

The resulting temperature difference calculated in Step 6, the change in SET* from increasing the air speed above 0.15 m/s, is the extent to which operative temperatures determined by PMV-PPD calculations can be increased with elevated air speed. This approach can be used where humidity or clo levels are not addressed by Figure 5.2.3. Occupants of a space may be subjected to significant heat stress if air movement is curtailed when temperature and humidity are high.

*The Fundamentals Handbook defines SET as the equivalent air temperature of an isothermal environment at 50% RH in which a subject, wearing clothing standardized for the activity concerned, has the same heat stress (skin temperature) and thermoregulatory strain (skin wettedness) as in the actual environment.

Example

Input settings:

Air T	MRT	Air V	RH	Season	Met	Clo
28	28	1.0	50	summer	1.3	0.8

SET= 27.5 Slightly uncomfortable

Air T	MRT	Air V	RH	Season	Met	Clo
28	28	0.15	50	summer	1.3	0.8

SET= 29.9 **Difference 29.9 - 27.5 = 2.4°C**
Slightly uncomfortable

BSR/ASHRAE Addendum h
to ANSI/ASHRAE Standard 15-2007

Public Review Draft

ASHRAE® Standard

Proposed Addendum h to Standard 15-2007, *Safety Standard for Refrigeration Systems*

First Public Review (September 2008) (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 1-800-527-4723 (for orders in the U.S. or Canada).

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

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

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

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

Foreword

This proposed addendum addresses pressure relief discharge piping requirements for low pressure refrigeration systems using R-718 (water) as a refrigerant. These refrigeration systems have safety relief devices that primarily provide relief protection for heat exchanger tube failure. Should the relief device actuate under this scenario, water in a liquid state would be released. Due to the present requirements for vent pipe termination according to Section 9.7.8, the liquid water would be discharged at a high elevation, which is not desirable. The proposed change would add an exception to Section 9.7.8 and permit alternate location of the relief vent termination for R-718 systems.

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

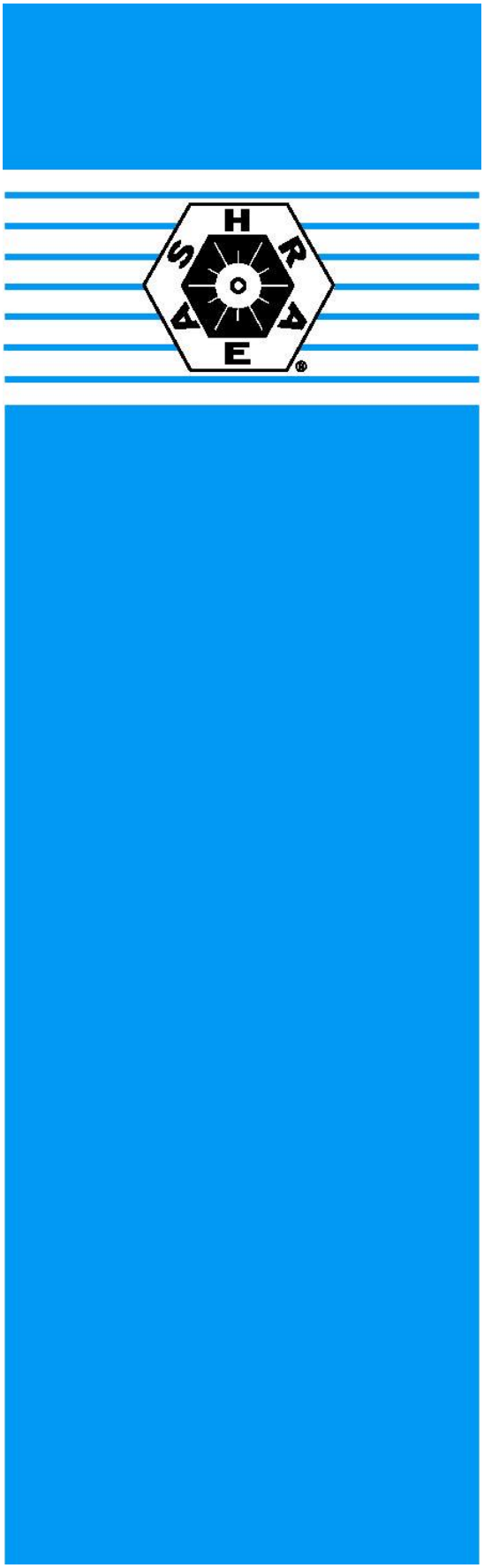
Addendum h to 15-2007

[Add an exception to Section 9.7.8 as shown below.]

9.7.8 Pressure-relief devices and fusible plugs on any system containing a Group A3 or B3 refrigerant; on any system containing more than 6.6 lb (3 kg) of a Group A2, B1, or B2 refrigerant; and on any system containing more than 110 lb (50 kg) of a Group A1 refrigerant shall discharge to the atmosphere at a location not less than 15 ft (4.57 m) above the adjoining ground level and not less than 20 ft (6.1 m) from any window, ventilation opening, or exit in any building. The discharge shall be terminated in a manner that will prevent the discharged refrigerant from being sprayed directly on personnel in the vicinity and foreign material or debris from entering the discharge piping. Discharge piping connected to the discharge side of a fusible plug or rupture member shall have provisions to prevent plugging the pipe in the event the fusible plug or rupture member functions.

Exception: When R-718 (water) is the only refrigerant, discharge to a floor drain is also acceptable if all of the following three conditions are met:

1. The pressure relief device set pressure does not exceed 15 psig,
2. The floor drain is sized to handle no less than the flow rate from a single broken tube in any refrigerant-containing heat exchanger, and
3. Either:
   a) The authority having jurisdiction finds it acceptable that the working fluid, corrosion inhibitor, and other additives used in this type of refrigeration system may infrequently be discharged to the sewer system, or
   b) A catch tank, sized to handle the expected discharge, is installed and equipped with a normally closed drain valve and an overflow line to drain.



BSR/ASHRAE Addendum *h*
to ANSI/ASHRAE Standard 135-2004

Public Review Draft

ASHRAE® Standard

Proposed Addendum *h* to Standard 135-2004, *BACnet®—A Data Communication Protocol for Building Automation and Control Networks*

Third Public Review (September 2008)
(Draft Shows Independent Substantive Changes To Second Public Review Draft)

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135-2004*h*-8. Add even and odd day support in Dates.

Rationale
Resource conservation sometimes requires schedules to be able to turn on automated watering systems on either even- or odd-numbered days of the month. Adding enumerations to support this would facilitate automated scheduling of such operations.

Note to Reviewers: In this addendum, changes to the previous public review draft are indicated by showing the changed parts of both the previous and the current public review drafts (the public review 2 version followed by the public review 3 version). Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes. Parts of the addendum that did not change are not shown in this public review draft.

Addendum 135-2004*h*-8

[Change clause **20.2.12**, p. 383]

[Public review 2 version]

20.2.12 Encoding of a Date Value

[…]

Date values shall be encoded in the contents octets as four binary integers. The first ~~contents~~ octet shall represent […]

A number of special values for the month and day octets have been defined for use in BACnetCalendarEntry. The following special values shall not be used when conveying an actual time value, such as the Local_Date property of the Device object, or in a TimeSynchronization-Request. […]

[Public review 3 version]

20.2.12 Encoding of a Date Value

[…]

Date values shall be encoded in the contents octets as four binary integers. The first ~~contents~~ octet shall represent […]

A number of special values for the month and day octets have been defined. The following special values shall not be used when conveying an actual date value, such as the Local_Date property of the Device object, or in a TimeSynchronization-Request. […]

[Change **Clause 21**, **Date**, p. 408]

[Public review 2 version]

Date ::= [APPLICATION 10] OCTET STRING (SIZE(4)) -- see 20.2.12

[…]

-- third octet day of month (1..~~32~~*34*),
-- 32 = last day of month[1]
-- *33 = odd days of month*[1]
-- *34 = even days of month*[1]
-- X'FF' = unspecified

[…]

-- [1] *This value may be used only in the date choice of BACnetCalendarEntry.*

[Public review 3 version]

Date ::= [APPLICATION 10] OCTET STRING (SIZE(4)) -- see 20.2.12

[…]

-- third octet day of month (1..~~32~~*34*),
-- 32 = last day of month
-- *33 = odd days of month*
-- *34 = even days of month*
-- X'FF' = unspecified

[…]

BSR/ASHRAE Addendum ab
to ANSI/ASHRAE Standard 34-2007

Public Review Draft

ASHRAE® Standard

Proposed Addendum ab to Standard 34-2007, *Designation and Safety Classification of Refrigerants*

First Public Review (September 2008) (Draft Shows Proposed Changes to Current Standard)

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First Public Review Draft

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FOREWORD

This addendum modifies the chemical names for R-E170, R-600a, R-601a, R-610, R-630, and R-631in Table 1 to conform to IUPAC nomenclature.

[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 ab to 34-2007

Make the following additions to Table 1:

Refrigerant Number	**Chemical Name**
E170	methoxymethane (dimethyl ether)
600a	2-methylpropane (isobutane)
601a	2-methylbutane (isopentane)
610	ethoxyethane (ethyl ether)
630	methanamine (methyl amine)
631	ethanamine (ethyl amine)

BSR/ASHRAE Addendum ac
to ANSI/ASHRAE Standard 34-2007

Public Review Draft

ASHRAE® Standard

Proposed Addendum ac to Standard 34-2007, *Designation and Safety Classification of Refrigerants*

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FOREWORD

This addendum modifies the requirements for submitting compact disks and hard copies of refrigerant applications.

[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 ac to 34-2007

9.9.5 Quantity. Thirty-five ~~bound copies shall be provided for committee and administrative use plus one unbound set for further reproduction by ASHRAE if needed. In addition, 35~~ compact disks with the application in electronic format shall be provided. In addition, a maximum of 35 bound copies may be required for committee and administrative use (contact ASHRAE Manager of Standards for exact number of hard copies required). The electronic format shall be an ~~true~~ electronically searchable PDF file of minimal size. A scanned PDF file ~~with large memory requirements~~ is ~~not~~ acceptable ~~except~~ for figures and other inserts. Committee members may request only the compact disk, thereby reducing the number of bound paper copies required.

BSR/ASHRAE Addendum ad to ANSI/ASHRAE Standard 34-2007

Public Review Draft

ASHRAE® Standard

Proposed Addendum ad to Standard 34-2007, *Designation and Safety Classification of Refrigerants*

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FOREWORD

This addendum modifies the data requirements for determining the anesthetic or central nervous system effects of a refrigerant.

[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 ad to 34-2007

Make the following revisions to clause 7.1.1.c:

> **Anesthetic of Central Nervous System effects:** 50% of the 10-minute EC_{50} in mice or rats for loss of righting ability in a rotating apparatus, or 80% of NOEL, in mice or rats for loss of righting ability in a rotating apparatus, whichever is higher. If not determined, 50% of the LOEL for signs of any anesthetic or CNS effect in rats during acute toxicity studies. If neither has been determined, 80% of the NOEL for signs of anesthesia or CNS effect in rats during an acute, subchronic, or chronic toxicity study in which clinical signs are documented.

BSR/ASHRAE Addendum ae
to ANSI/ASHRAE Standard 34-2007

Public Review Draft

ASHRAE® Standard

Proposed Addendum ae to Standard 34-2007, *Designation and Safety Classification of Refrigerants*

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FOREWORD

This addendum specifies the temperature for leak/recharge testing to be consistent the original intent of the committee. Only the sentence modified is shown. The remainder of the section remains unchanged. Note that B2.5 was previously modified in Addendum 34l.

[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 ae to 34-2007

Make the following revisions to clause B2.5:

B2.5 Leak/Recharge Testing … A vapor leak at a rate of 2% by mass of the starting charge per hour shall be created and maintained at 23.0 ± 3.0°C (73.4 ± 5.4°F)~~ambient temperature~~ until 20% of the starting charge has been leaked…

(Remainder unchanged.)

BSR/ASHRAE Addendum x
to ANSI/ASHRAE Standard 34-2007

Public Review Draft

ASHRAE® Standard

Proposed Addendum x to Standard 34-2007, *Designation and Safety Classification of Refrigerants*

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BSR/ASHRAE Addendum x to ANSI/ASHRAE Standard 34-2007, *Designation and Safety Classification of Refrigerants*

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FOREWORD

This addendum adds new refrigerant 433B 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 x to 34-2007

Add the following to Table 2 in the columns indicated:

TABLE 2—
Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 433B
Composition (Mass %) = R-1270/290 (5.0/95.0)[n]
OEL = 950
Safety Group = A3
RCL = 4,500 ppm v/v; 8.1 g/m^3; 0.51 Mcf
Highly Toxic or Toxic Under Code Classification = Neither

Add the following to Table D2 in the columns indicated:

TABLE D2—
Data for Refrigerant Blends

Refrigerant Number = 433B
Composition (Mass %) = R-1270/290 (5.0/95.0)[l]
Average Molecular Mass = 44.0
Bubble Point (°C) = -42.7
Dew Point (°C) = -42.5
Bubble Point (°F) = -44.9
Dew Point (°F) = -44.5

BSR/ASHRAE Addendum y
to ANSI/ASHRAE Standard 34-2007

Public Review Draft

ASHRAE® Standard

Proposed Addendum y to Standard 34-2007, *Designation and Safety Classification of Refrigerants*

First Public Review (September 2008) (Draft Shows Proposed Changes to Current Standard)

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BSR/ASHRAE Addendum y to ANSI/ASHRAE Standard 34-2007, *Designation and Safety Classification of Refrigerants*

First Public Review Draft

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FOREWORD

This addendum adds new refrigerant 433C to Table 2 and Table D2.

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Addendum y to 34-2007

Add the following to Table 2 in the columns indicated:

TABLE 2—
Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 433C
Composition (Mass %) = R-1270/290 (25.0/75.0)[n]
OEL = 790
Safety Group = A3
RCL = 3,600 ppm v/v; 6.6 g/m^3; 0.41 Mcf
Highly Toxic or Toxic Under Code Classification = Neither

Add the following to Table D2 in the columns indicated:

TABLE D2—
Data for Refrigerant Blends

Refrigerant Number = 433C
Composition (Mass %) = R-1270/290 (25.0/75.0)[l]
Average Molecular Mass = 43.6
Bubble Point (°C) = -44.3
Dew Point (°C) = -43.9
Bubble Point (°F) = -47.7
Dew Point (°F) = -47.0

BSR/ASHRAE Addendum i
to ANSI/ASHRAE Standard 62.1-2007

Public Review Draft

ASHRAE® Standard

Proposed Addendum i to Standard 62.1-2007, *Ventilation for Acceptable Indoor Air Quality*

Fourth Public Review (September 2008) (Draft Shows Proposed Changes to Current Standard)

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BSR/ASHRAE Addendum i to ANSI/ASHRAE Standard 62.1-2007, *Ventilation and Acceptable Indoor Air Quality*
Fourth Public Review Draft

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FOREWORD

In response to comments received on previous drafts of 62.1i, this proposed addendum deletes Section 6.2.9.

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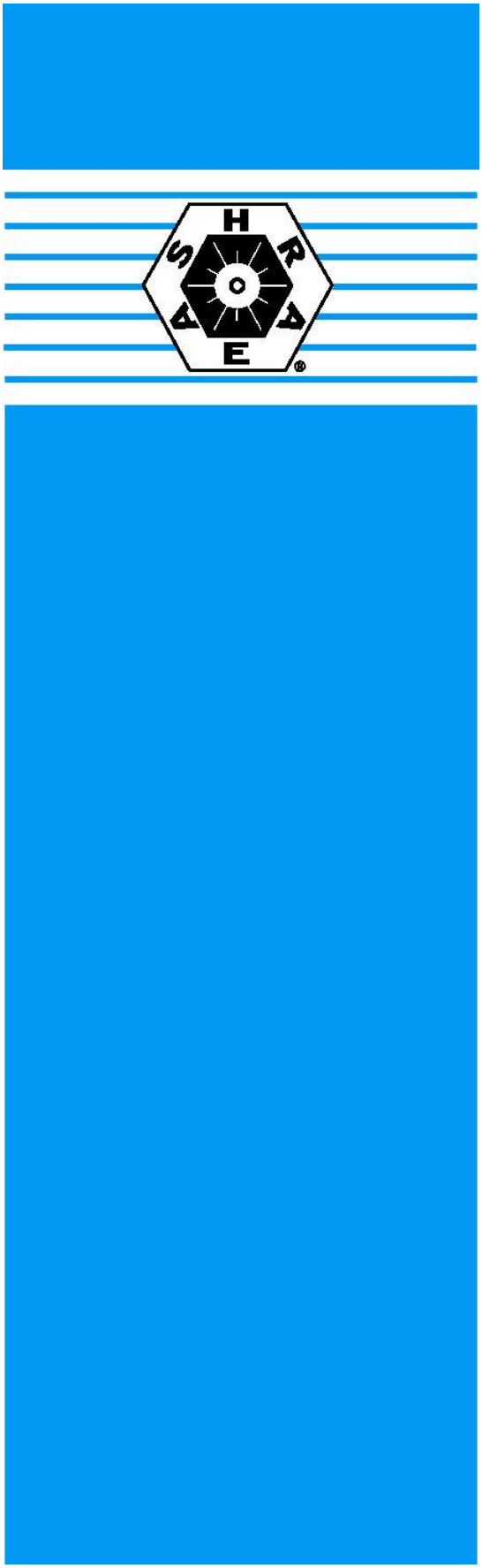
Addendum i to 62.1-2007

Reviewer Note: Delete existing Section 6.2.9:

~~**6.2.9 Ventilation in Smoking Areas.** Smoking areas shall have more ventilation and/or air cleaning than comparable no-smoking areas. Specific ventilation rate requirements cannot be determined until cognizant authorities determine the concentration of smoke that achieves an acceptable level of risk. Air from smoking areas shall not be recirculated or transferred to no-smoking areas.~~



BSR/ASHRAE Addendum j
to ANSI/ASHRAE Standard 62.1-2007

Public Review Draft

ASHRAE® Standard

Proposed Addendum j to Standard 62.1-2007, *Ventilation for Acceptable Indoor Air Quality*

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FOREWORD

This proposed addendum clarifies when, at a minimum, the ventilation systems shall be operated.

[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 62.1-2007

Reviewer Note: Delete existing Section 8.1.2 and renumber existing 8.1.3 accordingly:

~~**8.1.2 Operations and Maintenance.** The ventilation system shall be operated and maintained at a minimum in accordance with the provisions of this standard.~~

Reviewer Note: Revise Section 8.2 as follows:

8.2 Operations and Maintenance Manual. An Operations and Maintenance (O&M) Manual, either written or electronic, shall be developed and maintained on site or in a centrally accessible location for the working life of the applicable ventilation system equipment or components. This manual shall be updated as necessary. The manual shall include~~, at a minimum,~~ the O&M procedures, ventilation system operating schedules and any changes made thereto, final design drawings, ~~O&M~~maintenance schedules and any changes made thereto, and the maintenance requirements and frequencies detailed in Section 8.4.

Reviewer Note: Revise Section 8.3 as follows:

8.3 Ventilation System Operation. Mechanical and natural ventilation systems shall be operated in a manner consistent with the O&M Manual. Systems shall be operated such that spaces are ventilated when they are expected to be occupied.

BSR/ASHRAE Addendum k
to ANSI/ASHRAE Standard 62.1-2007

Public Review Draft

ASHRAE® Standard

Proposed Addendum k to Standard 62.1-2007, *Ventilation for Acceptable Indoor Air Quality*

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FOREWORD

This proposed addendum corrects language in Note 2 of Table 6-1 to make it consistent with terminology used elsewhere in the standard.

[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 k to 62.1-2007

Reviewer Note: Revise Table 6-1 General Note 2 as follows:

GENERAL NOTES FOR TABLE 6-1

2 **Environmental Tobacco Smoke~~Smoking~~:** This table applies to ~~no-smoking~~ETS-free areas. Refer to Section 5.18 for requirements for buildings containing ETS areas and ETS-free areas.~~Rates for smoking-permitted spaces must be determined using other methods. See Section 6.2.9 for ventilation requirements in smoking areas.~~

BSR/ASHRAE Addendum d to ANSI/ASHRAE Standard 62.2-2007

Public Review Draft

ASHRAE® Standard

Proposed Addendum d to Standard 62.2-2007, *Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*

First Public Review (September 2008)
Full Public Review (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 1-800-527-4723 (for orders in the U.S. or Canada).

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BSR/ASHRAE Addendum d to ANSI/ASHRAE Standard 62.2-2007, *Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*
First Public Review Draft

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Foreword

For testing and rating fans, Standard 62.2 currently references only the HVI standards but not the ASHRAE and AMCA standards upon which they are based. Adding these standards to Section 7.1 of 62.2 makes it clear as to the basis of these requirements.

[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 62.2-2007

Reviewer Note: Revise Sections 7.1 and 9 as follows:

7.1 Selection and Installation. Ventilation devices and equipment shall be tested in accordance with *ANSI/ASHRAE Standard 51/AMCA 210, Laboratory Methods of Testing Fans for Certified Aerodynamic Performance Rating*[7] and *ANSI/AMCA Standard 300, Reverberant Room Method for Sound Testing of Fans*[8] and rated in accordance with the airflow and sound rating procedures of the Home Ventilating Institute (*HVI 915, HVI Loudness Testing and Rating Procedure,*[~~7~~9] *HVI 916, HVI Airflow Test Procedure,*[~~8~~10] *and HVI 920, HVI Product Performance Certification Procedure*[~~9~~11]). Installations of systems or equipment shall be carried out in accordance with manufacturers' design requirements and installation instructions.

9. REFERENCES

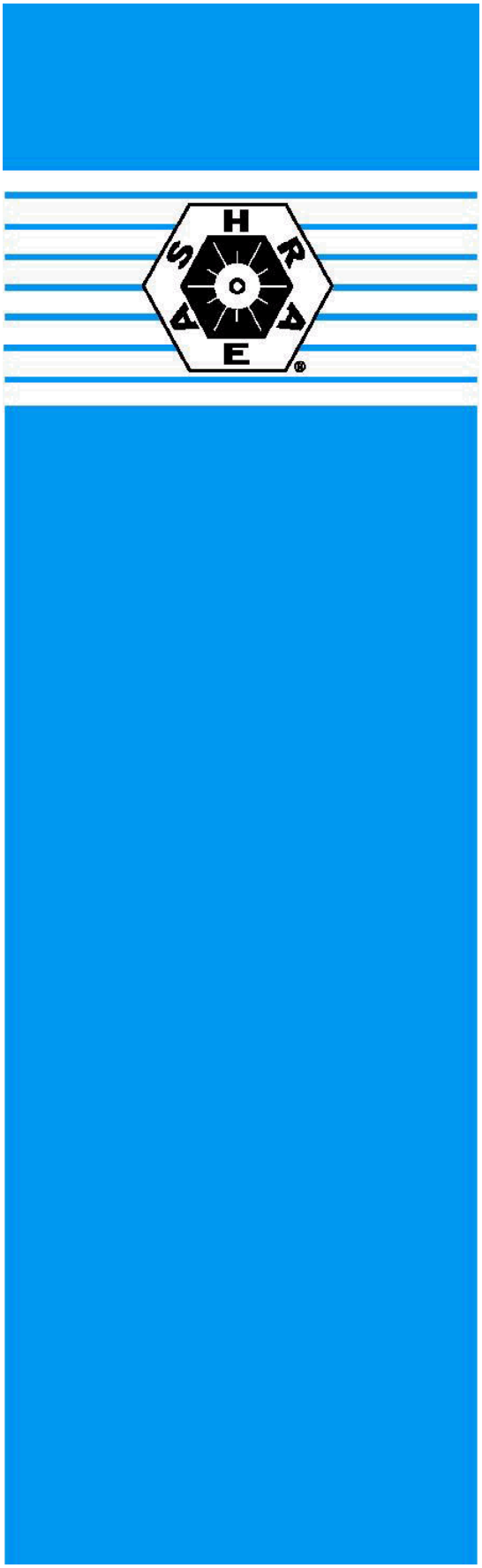
7. *ANSI/ASHRAE Standard 51-1999/AMCA Standard 210-99. Laboratory Methods of Testing Fans for Aerodynamic Performance Rating.* American Air Movement and Control Association International, Inc. Arlington Heights, IL.

8. *ANSI/AMCA Standard 300-05, Reverberant Room Method for Sound Testing of Fans.* American Air Movement and Control Association International, Inc. Arlington Heights, IL.

~~7~~9. *HVI 915-06, Loudness Testing and Rating Procedure.* Home Ventilating Institute, Arlington Heights, IL.

~~8~~10. *HVI 916-05, Airflow Test Procedure.* Home Ventilating Institute, Arlington Heights, IL.

~~9~~11. *HVI 920-05, Product Performance Certification Procedure*. Home Ventilating Institute. Arlington Heights, IL.



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

Public Review Draft

ASHRAE® Standard

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

First Public Review (September 2008) (Draft Shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit comments 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

The intent of this addendum is to revise air leakage criteria so they more closely reflect current practice.

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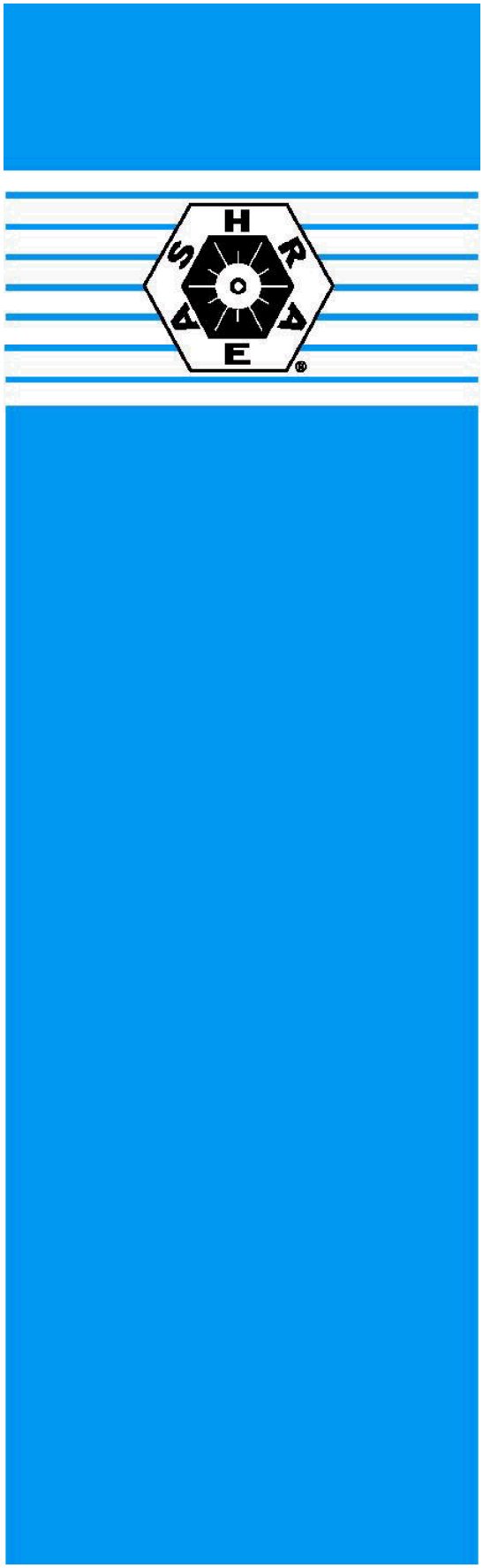
Addendum am to 90.1-2007

Revise the Standard as follows (I-P units)

5.4.3.2 Fenestration and Doors. Air leakage for *fenestration* and *doors* shall be determined in accordance with NFRC 400. Air leakage shall be determined by a laboratory accredited by a nationally recognized accreditation organization, such as the National Fenestration Rating Council, and shall be *labeled* and certified by the *manufacturer*. Air leakage shall not exceed 1.0 cfm/ft^2 for glazed swinging entrance doors and for revolving doors, 0.06 cfm/ft^2 for curtainwall/storefront, and ~~0.4~~ 0.3 cfm/ft^2 for all other products.

Revise the Standard as follows (S-I units)

5.4.3.2 Fenestration and Doors. Air leakage for *fenestration* and *doors* shall be determined in accordance with NFRC 400. Air leakage shall be determined by a laboratory accredited by a nationally recognized accreditation organization, such as the National Fenestration Rating Council, and shall be *labeled* and certified by the *manufacturer*. Air leakage shall not exceed 5.0 L/s·m^2 for glazed swinging entrance doors and for revolving doors, 0.3 L/s·m^2 for curtainwall/storefront, and ~~2.0~~ 1.5 L/s·m^2 for all other products.



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

Public Review Draft

ASHRAE® Standard

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

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FOREWORD

Demand control ventilation (DCV) is cost-effective for single zone systems with high occupant densities and air-side economizers. It is required for such systems in the mandatory measures section (6.4.3.9). However, systems that would be required to have DCV under the mandatory measures can avoid installing DCV by simply following the simplified approach. For example a packaged unit serving an auditorium might have 50% outside air based on 100 people per 1000 ft^2. This system would be required to have DCV under the standard approach but could avoid installing DCV by using the Simplified approach. This is a loophole in the standard that should be fixed. DCV should be included in the simplified approach.

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Addendum ap to 90.1-2007

Revise the Standard as follows

6.3.2 Criteria. The HVAC *system* must meet ALL of the following criteria:

a. The *system* serves a single *HVAC zone*.

…

o. *Systems* with a design supply air capacity greater than 10,000 cfm shall have *optimum start controls.*

p. The system shall comply with the demand control ventilation requirements in section 6.4.3.9

NSF/ANSI 49 – 2007
Class II (laminar flow) biosafety cabinetry

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Annex A
(normative)

Performance tests

NOTE – Before any performance tests are run, the cabinet shall be properly installed and leveled and airflows adjusted to the nominal set point (± 3.0 ft/min [± 0.015 m/s]). These tests are intended for the qualification of a new cabinet model by the testing organization. The testing organization also requires and performs appropriate tests during periodic requalification. Cabinet models undergoing major redesign shall be requalified as stated in 1.3 of this Standard. Field tests are provided in annex F.

Until certified under NSF/ANSI 49 – 2002, all new cabinets shall be factory tested using the procedures described in NSF/ANSI 49, annex A – 2002, with the exception of the downflow velocity test. When the downflow velocity test is performed, the procedure in NSF Standard 49, 1992 should be used; however, the acceptance criteria outlined in the 2002 standard shall be applied.

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A.3 HEPA filter leak test

A.3.1 Purpose

This test determines the integrity of downflow and exhaust HEPA filters, filter housings, and filter mounting frames. The cabinet shall be operated within ± 3.0 ft/min (0.015 m/s) of the nominal set point, with the exception of the downflow HEPA filters on B1 cabinets.

A.3.2 Apparatus

A.3.2.1 An aerosol photometer with linear or expanded logarithmic scale shall be used. The instrument shall be capable of indicating 100% upstream concentration with an aerosol of 10 μg/L of polydisperse dioctylphthalate (DOP) particles, or an equivalent fluid, which provides the same particle size distribution (e. g., polyalpha olefin [PAO], di[2-ethylhexyl], sebecate, polyethylene glycol, and medicinal-grade light mineral oil)[1] produced by the generator described in annex A, section A.3.2. It shall also be capable of detecting an aerosol of 1×10^{-3} % of the same particles. The sampling rate of air shall be at least 1 ft^3/min (5×10^{-4} m^3/s) ± 10%. The probe area shall have a maximum open area of 1.7 in^2 (11 cm^2) and a minimum dimension of 0.5 in (1.3 cm). The photometer shall be calibrated in accordance with the photometer manufacturer's instructions, or with IEST-RP-CC-013 if instructions are not provided.

A.3.2.2 An aerosol generator of the Laskin Nozzle type conforming to annex A, figure A2 or equivalent shall be used to create an aerosol by flowing air through liquid DOP or an equivalent substitute. When a Laskin nozzle

[1] Hinds, W., Macher, J., First M. W. *Size Distributions of Aerosols Produced from Substitute Materials by the Laskin Cold DOP Aerosol Generator*. 16th Dept. of Energy Nuclear Air Cleaning Conference; and Yan, X., First, M. W., Rudnick, S. N. *Characteristics of Laskin Nozzle Generated Aerosols*. Proc. 21st Nuclear Air Cleaning Conference. M. W. First, Ed., N. T. I. S., Springfield, VA, Feb. 1991. p.116

generator is used, the compressed air supplied to the generator should be adjusted to a minimum of 20 psi (140 kPa), measured at the generator manufacturer's recommended location. The nozzles shall be covered with liquid to a depth not to exceed 1 in (2.5 cm).T

A.3.2.3 A pressure gauge for the generator having a maximum range of 0 – 80 psi (550 kPa) with a resolution and accuracy of 1 psi (7 kPa) calibrated by the manufacturer or in accordance with the manufacturer's instructions shall be used.

A.3.3 Method

A.3.3.1 Filters that can be scanned

a) Turn on the cabinet blower and lights (types A1/A2 and B2 – downflow filter test). Remove filter diffusers and protective covers if they are present. Place the generator so the aerosol is introduced into the cabinet, as specified by the manufacturer, so as to provide uniform distribution upstream of the HEPA filter. When the manufacturer has not identified the aerosol introduction point(s), introduce the aerosol in such a manner as to ensure thorough mixing in the cabinet airflow. For example, a T-connection can be fitted to the aerosol generator output to enable distribution of challenge into both entrances of a single blower, or entrances of multiple blowers. The manufacturer shall determine the aerosol introduction point that provides the most uniform distribution (reference IEST-RP-CC-034[2]). This aerosol introduction location shall be readily available to the certifier. It should be located either on the cabinet data plate or the electrical schematic.

b) Turn on the photometer and adjust in accordance with the manufacturer's instructions.

c) Sample the aerosol concentration upstream of the HEPA filter and verify that the concentration gives a light scattering intensity at least equal to that produced by 10 μg/L of DOP.

– For linear readout photometers (graduated 0 – 100), adjust the instrument to read 100 on the 100% scale.
– For logarithmic readout photometers, adjust the upstream concentration to 1×10^4 above the concentration needed to produce one scale division (use the instrument calibration curve).

d) With the nozzle of the probe held not more than 1.0 in (2.5 cm) from the area being tested, scan the entire downstream side of the HEPA filters, and the perimeter of each filter pack, by passing the photometer probe in slightly overlapping strokes at a traverse rate of not more than 2 in/s (5 cm/s). Separate passes shall be made around the entire periphery of the filter, along the bond between the filter pack and frame, and around the seal between the filter and the device.

A.3.3.2 Filters that cannot be scanned

When a cabinet is ducted so that the exhaust filter cannot be scanned, it may be leak tested by drilling a hole approximately 0.3 in (1 cm) in diameter in the duct at a downstream location that will produce a well-mixed aerosol, and inserting the photometer sampling probe with rigid extension tubing through the hole.

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- [2] *HEPA and ULPA Filter Leak Tests,* Institute of Environmental Sciences and Technology, 940 East Northwest Highway, Mount Prospect, IL 60056

NSF International Standard/
American National Standard
For Food Equipment

Supplemental flooring

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2 Normative references

The following documents contain provisions that, through reference, constitute provisions of this NSF/ANSI Standard. At the time this Standard was balloted, the editions listed below were valid. All documents are subject to revision, and parties are encouraged to investigate the possibility of applying the recent editions of the documents indicated below.

ASTM G21-96(2002). *Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi*[1]

ASTM D256-02e105. *Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics*[1]

ASTM D412-98a(2002)e1. *Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers – Tension*

ASTM D624-00e1. *Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers*[1]

ASTM D638-03. *Standard Test Method for Tensile Properties of Plastics*[1]

ASTM D792-00. *Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement*

IEEE/ASTM SI 10 – 2002. *Standard for the Use of the International System of Units (SI): The Modern Metric System*[1]

NSF/ANSI 2 ~~– 2005a~~. *Food equipment*

NSF/ANSI 170 ~~– 2005~~. *Glossary of food equipment terminology*

USFDA Code of Federal Regulations, Title 21, (21 CFR) Part 131, Food and Drugs[2]

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5 Design and construction

[1] ASTM International, 100 Barr Harbor Dr., West Conshohocken, PA 19428 www.astm.org
[2] U. S. Government Printing Office, Washington, DC 20402 www.usgpo.gov

5.1 General

Supplemental flooring shall be designed and manufactured to prevent the harborage of vermin and the accumulation of dust, dirt, splash, or spillage, and to facilitate maintenance, service, and cleaning. Supplemental flooring shall be designed and manufactured so as not to buckle, curl, or warp during use or following cleaning performed in accordance with the manufacturer's recommendations.

5.2 Cleanability

Supplemental flooring shall be easily cleanable in the use position or when removed. Single pieces or interlocking parts shall be readily removable and shall not exceed 40 lb (18 kg) in weight. Flooring shall not exceed 25 ft^2 (2.3 m^2) in overall area, unless it can be rolled and easily carried by one person.

5.3 Self-draining

Supplemental flooring shall be designed and manufactured to be self-draining through ~~and beneath~~ drainage holes, or a surface that has both raised surface areas and crevices to create a self draining surface. The walking surface shall be designed and manufactured to prevent the accumulation of liquids.

Reason: Food is difficult to remove from drainage holes in mats utilizing standard cleaning methods. Drainage holes in mates are more likely to allow bacteria and fungus to develop due to difficulty in thorough cleaning. Mats with raised surface areas as well as depressions throughout the surface of a mat create a self draining effect with the difficulty of cleaning, thus creating a more sanitary mat.

5.4 Manufacturer's instructions

The manufacturer shall provide detailed guidelines for intended end uses and instructions for installation, cleaning, and maintenance with each order and shipment. The manufacturer's cleaning instructions shall not stipulate the use of spray-type warewashing machines, or warewashing or vegetable preparation sinks, as acceptable cleaning methods.

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BSR/UL 181 Proposal:

1. Corrects temperature conversion for 10.4.2

10.4.2 The gas flow shall be adjusted using the fine tune valve to maintain the center temperature in the range of 1425 ±70°F (774 ± 39°C) after 45 minutes of the 2 hour preheat period. The gas pressure is to be maintained at 3.5 inch water gauge. After 1-3/4 hours of the pre-heat, the center, individual ring, average ring, and quadrant temperatures are measured until all the following conditions are met for a continuous 15 minute period before the addition of the test sample:

a) Furnace center temperature shall be 1425 ±35°F (774 ± 20°C);

b) The average ring temperature and the individual quadrant temperatures shall be at least 90 percent of, but not greater than, the center temperature; and

c) No individual ring temperature shall exceed 100°F (56 ~~38~~°C) less than or greater than the average ring temperature.

Adjustments in the gas flow, followed by adjustments in gas pressure, are made during this and any subsequent stabilization period to obtain the required pretest conditions. Any adjustments to gas flow will require a restarting of the 15 minute stabilization period prior to conducting a test. For each succeeding test, the thermocouple grid is to be replaced on the furnace until the stabilization conditions are met for the 15 minute stabilization period.

BSR/UL 268A

15.5 When more than one lamp is provided on the detector the following shall apply:

1) Except as permitted by (4), the ~~a~~ ″power-on″ lamp shall be white or green,

2) An alarm-indicating lamp shall be red,

3) ~~and a~~ A trouble-indicating lamp shall be amber or yellow and ~~. Other colors for the ″poweron″ lamp shall be used only when the lamp is marked to identify the function.~~

4) The ″power-on″ lamp shall be permitted to be a color other than white, green, red, amber or yellow if the lamp is marked to identify the function.

15.6 When two or more color indications are used to visually annunciate detector status, one color must be designated for normal indication and mode of operation. If the color for normal operation is other than white or green, the lamp shall be marked to identify the function. ~~An alarm indication must be red.~~ Use of alternative colors or indication flash rates for non-alarm conditions shall not be prohibited.

BSR/UL 810 Proposal

1. Revisions to Electrolytic Capacitor Requirements

~~**SA5.5 Reverse polarity test**~~

~~SA5.5.1 As a result of subjecting a polarized electrolytic capacitor to the reverse polarity condition, the venting mechanism shall operate in a safe manner without a fire or explosion or damage to the case. During the test, temperatures on the case of the capacitor shall be monitored.~~

~~SA5.5.2 The capacitor shall be connected in reverse polarity and subjected to rated voltage at rated frequency for 125 hours or until ultimate results (i.e. opening of the venting mechanism, operation of other protective device, fire, explosion or stabilization of temperatures).~~

Table SA5.1

Tests and sample requirements for electrolytic capacitors

Test	Clause number	Number of samples
Torque[a]	SA5.3	1
Heating	SA5.4	3
~~Reverse Polarity~~[~~b~~]	~~SA5.5~~	~~3~~
Pressure Relief [b]	SA5.6	3
Dielectric Voltage-Withstand	SA5.7	1
[a] The torque test is only conducted on samples with screw terminals.		
[b] ~~Reverse polarity~~ Pressure relief testing is only conducted on non-polarized capacitors.		

SA5.7.1 Capacitors shall be subjected to the dielectric voltage-withstand test as outlined in ~~Section~~ 11A.1 - 11A.3, 11A.4(a), and 11A.5 of Part I.

BSR/UL 864, the Standards for Control Units and Accessories for Fire Alarm Systems

1. Release Devices for Sprinkler Systems

PROPOSAL

61.4.2 For any waterless extinguishing agents or water based systems with additives, including but not limited to carbon dioxide, foam, clean agents, or chemical, ~~T~~the releasing devices specified in the installation wiring diagram/instructions shall be connected to the releasing device circuit during the following tests:

a) The Variable Voltage Operation Test, Section 59;

b) The Standby Operating Power Test for Releasing Device Service, Section 64;

c) The Overload Test, Section 66;

d) The Endurance Test, Section 67; and

e) The Transient Tests, Section 71.

61.4.3 For automatic water control valves with out additives, pre-action and deluge sprinkler applications, the releasing device shall meet the applicable requirements of the following outline and standards:

a) the Standard for Dry Pipe and Deluge Valves for Fire Protection Service, UL 260;

b) the Standard for Electrically Operated Valves, UL 429;

c) the Outline of Investigation for Electrically Operated Valves for Fire Protection Service, Subject 429A; and

d) the Standard for Heat Detectors for Fire Protective Signaling Systems UL 521.

BSR/UL 1123 Proposals:

4. Clarification of Donning Test Requirements

15.4 The candidate device is to be given to the subject, or assisting adult, where applicable , at pool side with the instruction "Please don as quickly as possible and adjust to fit snugly, and say 'finished' once donning is complete." The donning attempt then is to be timed.

15.6 If donning and adjustment of the candidate device on a subject is not achieved within 1 minute after the instruction specified in ~~15.1~~ 15.4 has been given, the test is to be repeated by the subject with the reference vest. If the reference vest also is not donned and adjusted within 1 minute, the subject is to be disqualified and replaced.

7. Revise Shoulder Gap Measurement Requirements

16.4 Type III device test

16.4.1 A Type III Device:

a) Shall maintain each subject in an attitude of relaxed static balance (such as an upright or backward position) so that the subject's respiration is not impeded at any time, and

b) Shall not have a tendency to turn a subject face-down from the position of relaxed static balance in the water.

See 16.4.4 and 16.4.9. In addition, a youth and adult device shall not have a shoulder gap of more than 6 inches (152.4 mm), following 3 self-induced bobbing actions in the water (see 16.4.5) ~~measured at the right shoulder~~. The gap shall be measured at ~~one~~ the shoulder with the greatest apparent gap. ~~following 3 self-induced bobbing actions in the water (see 16.4.5).~~ Also, the device in the ridden-up condition shall not have a tendency to turn a subject face-down from the position of relaxed static balance in the water and shall comply with the requirements specified in 16.4.2 and 16.4.3 following the bobbing actions. The use of crotch straps is not acceptable to achieve compliance with the ride-up requirements.

Exception No. 1: The shoulder gap requirements do not apply to float coat or wetsuit style PFDs.

Exception No. 2: For pear-shaped individuals only (i.e., stomach is larger than chest), a device need not comply with the shoulder gap requirements. See THINK SAFE PFD PAMPHLET. For the purposes of this exception, a compressed chest size measurement is taken, similar to a snug fitting PFD.