

# 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."

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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."

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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.

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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](mailto: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](mailto: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](mailto: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](mailto: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](mailto: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](mailto: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](mailto: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.

Single copy price: \$90.00

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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](http://www.asbe.org)

Order from: American Society of Baking; [www.asbe.org](http://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 I 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.

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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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## 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

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## ASTM (ASTM International)

The URL to search for scopes of ASTM standards is:

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### *Revisions*

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

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

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

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

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

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

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

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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)

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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)

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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)

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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)

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

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

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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)

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

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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)

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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)

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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)

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

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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)

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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)

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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)

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

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

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

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

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

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

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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)

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

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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)

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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)

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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)

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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)

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### **Reaffirmations**

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

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

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

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

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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))

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

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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)

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

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

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

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### **Withdrawals**

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

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

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## **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

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## **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

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## **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

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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

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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.

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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.

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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.

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## **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, design and 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](http://www.iwca.org)

Order from: Mandie Bannwarth, IWCA (ASC I14); [Mandie@robstan.com](mailto: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](http://standards.nsf.org/apps/group_public/download.php/2473/51i8r1.pdf)

Order from: Mindy Costello, NSF; [mcostello@nsf.org](mailto: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](http://standards.nsf.org/apps/group_public/download.php/2487/61i80r1.pdf)

Order from: Sarah Kozanecki, NSF; [kozanecki@nsf.org](mailto:kozanecki@nsf.org)

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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](http://standards.nsf.org/apps/group_public/download.php/2501/173i24r2.pdf)

Order from: Sarah Kozanecki, NSF; [kozanecki@nsf.org](mailto:kozanecki@nsf.org)

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## **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

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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

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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

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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.

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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

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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.

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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

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### **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.

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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.

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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.

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## **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](mailto: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.

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[Vickie.T.Hinton@us.ul.com](mailto: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

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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.

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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.

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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.

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## 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](mailto:techdir@vita.com)

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

## Comment Deadline: November 11, 2008

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

Order from: Patricia Schroeder, ANS; [pschroeder@ans.org](mailto: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

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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.

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## 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>

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Send comments (with copy to BSR) to: Jack Karian, ASME;  
[karianj@asme.org](mailto: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

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[karianj@asme.org](mailto: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>

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## Projects Withdrawn from Consideration

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

### 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

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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/](http://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.

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## 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](http://www.NSSN.org), which is a database of standards information. Note that this database is not exhaustive.

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

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## 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](mailto: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](mailto: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](mailto: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](mailto: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](http://www.ansi.org), select Internet Resources, click on "Standards Information," and see "American National Standards Maintained Under Continuous Maintenance". This information is also available directly at [www.ansi.org/publicreview](http://www.ansi.org/publicreview).

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

# ISO 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](mailto: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.

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## **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](http://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](mailto:ncsci@nist.gov) or [notifyus@nist.gov](mailto:notifyus@nist.gov).

# Information Concerning

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## American National Standards

INCITS Executive Board

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

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

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

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

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

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

### 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](mailto: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](mailto: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](mailto: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](mailto: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](mailto:hscully@ansi.org).

Responses on the proposal should be sent to Steven Cornish of ANSI via e-mail at [scornish@ansi.org](mailto: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](mailto: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).

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



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## 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 Cooling 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)

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## **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)

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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### 135-2004h-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 135-2004h-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<sup>1</sup>

--

33 = odd days of month<sup>1</sup>

--

34 = even days of month<sup>1</sup>

--

X'FF' = unspecified

[...]

--<sup>1</sup> 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  
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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-631 in 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 ~~striketrough~~ (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

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*Make the following additions to Table 1:*

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

First Public Review (September 2008)  
(Draft Shows Proposed Changes to  
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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 ~~striketrough~~ (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

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**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*

First Public Review (September 2008)  
(Draft Shows Proposed Changes to  
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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 ~~striketrough~~ (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**

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*Make the following revisions to clause 7.1.1.c:*

**Anesthetic of Central Nervous System effects:** 50% of the 10-minute EC<sub>50</sub> 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*

First Public Review (September 2008)  
(Draft Shows Proposed Changes to  
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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 34I.

*[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (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

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*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*

First Public Review (September 2008)  
(Draft Shows Proposed Changes to  
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AMERICAN SOCIETY OF HEATING, REFRIGERATING  
AND AIR-CONDITIONING ENGINEERS, INC.  
1791 Tullie Circle, NE Atlanta GA 30329-2305





First Public Review Draft

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

## FOREWORD

This addendum 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 ~~striketrough~~ (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

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*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)<sup>1</sup>  
OEL = 950  
Safety Group = A3  
RCL = 4,500 ppm v/v; 8.1 g/m<sup>3</sup>; 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)<sup>1</sup>  
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



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## FOREWORD

This addendum adds new refrigerant 433C 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 ~~striketrough~~ (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 y to 34-2007

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*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)<sup>n</sup>  
OEL = 790  
Safety Group = A3  
RCL = 3,600 ppm v/v; 6.6 g/m<sup>3</sup>; 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)<sup>l</sup>  
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