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## American National Standards

### Call for comment on proposals listed

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

#### Ordering Instructions for "Call-for-Comment" Listings

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

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

★ Standard for consumer products

## Comment Deadline: October 23, 2005

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

#### Supplements

BSR/ASHRAE 15b-200x, Safety Standard for Refrigeration Systems (supplement to ANSI/ASHRAE 15-2004)

The current version of ASHRAE/ANSI Standard 15-2004 allows relief valves to discharge back into other parts of the system (see 9.4.3, 9.7.3, 9.7.8.1, and 9.8). The proposed change in this addendum is intended to continue allowing this as an option, but clarifies the requirements to improve safety.

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

Send comments (with copy to BSR) to: [public.review.comments@ashrae.org](mailto:public.review.comments@ashrae.org)

BSR/ASHRAE 34d-200x, Designation and Safety Classification of Refrigerants (supplement to ANSI/ASHRAE 34-2004)

This proposed addendum add the requirement for refrigerant applications in electronic format in addition to the printed copies.

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

Send comments (with copy to BSR) to: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

BSR/ASHRAE 34e-200x, Designation and Safety Classification of Refrigerants (supplement to ANSI/ASHRAE 34-2004)

This proposed addendum adds a designation of R-424A to the blend R-125/134a/600a/600/601a (50.5/47.0/0.9/1.0/0.6) with tolerances of (+1,-1/+1,-1/+0.1,-0.2/+0.1,-0.2/+0.1,-0.2) and a safety classification of A1.

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BSR/ASHRAE 34f-200x, Designation and Safety Classification of Refrigerants (supplement to ANSI/ASHRAE 34-2004)

This proposed addendum adds a designation of R-425A to the blend R-32/134a/227ea (18.5/69.5/12.0) with tolerances of (+0.5,-0.5/+0.5,-0.5/+0.5,-0.5) and a safety classification of A1.

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

When Standard 62.2P was out for public review, the new ASTM Standard E1554-2003 had not been completed. That has now changed. This new ASTM test method can separate supply and return duct leakage. For garages, it is important to minimize the amount of garage air that is pulled into the air distribution system. Thus, the requirement now has the option to test for return leakage rather than total leakage. Also the limit was set to 50 cfm, because the contaminant transport depends on the leakage flow rate not on the percent of fan flow.

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

Condensing clothes dryers have entered the market. This addendum recognizes that the exhaust from the dryers (a condensate) can be discharged into a drain rather than from an opening in the building envelope.

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BSR/ASHRAE/IESNA 90.1m-200x, Energy Standard for Buildings Except Low-Rise Residential Buildings (supplement to ANSI/ASHRAE/IESNA 90.1-1999)

This proposed modification addresses the issue of task lighting in office type and other spaces. It is understood that task lighting is becoming more of an integral element in current lighting design and that its supplemental nature may make determining compliance difficult.

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

Send comments (with copy to BSR) to: Same

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

This proposed modification addresses the often special lighting needs of certain groups of individuals other than just the "visually impaired" where spaces are designed specifically for their use. The standard industry light level and design recommendations on which the standard LPDs are based do not specifically include special categories and adjustments for persons with special lighting needs. Therefore, the existing exemption for "visually impaired" has been reworded to indicate more clearly where lighting exemptions may be granted for medical condition needs.

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

Send comments (with copy to BSR) to: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

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

The following changes are an update for ARI Standard 340/360 from 2000 to 2004. The changes in ARI 340/360 include an update in the test method of equipment between 65,000-135,000 Btu.

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

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

After a review of Chapter 12, Normative References, it is proposed to update ASTM C1549 to the most current year. It is also proposed to update portions of Appendix G with the changes made to the body of Section 5. ASTM C1549 was added as a reference to 90.1-2004 in Addendum AD.

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

Send comments (with copy to BSR) to: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

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

This addendum provides guidance for complying with the intent of the baseline building design for HVAC systems 5, 6, 7, and 8, which shall be modeled as floor-by-floor HVAC systems.

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

Send comments (with copy to BSR) to: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

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

The current language in the 2004 edition of Standard 90.2 has the potential for causing confusion when Section 8.7.1, which provides a choice of assessing duct location in the Annual Energy Cost Budget Method, is compared to Chapters 5 and 6 of the Standard. The prescriptive provisions in these Chapters do not cite such a distinction. This addendum is designed to address this difference with more concise text that coordinates the provisions.

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

Send comments (with copy to BSR) to: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

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

This addendum provides a clearer and more concise definition of conditioned space than what is currently in place in 90.2-2004 by the following changes:

- Changes the definition by removing the undefined terms "heated space" and "cooled space";
- Removes the term "indirectly conditioned space" since it is not used in the Standard; and
- Adds language referring to the intent that these spaces are provided with "mechanical heating/cooling" to condition the space.

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

Send comments (with copy to BSR) to: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

## NSF (NSF International)

### Revisions

BSR/NSF 170-200x (i4r1), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2002)

Issue 4: The purpose of this ballot is to update normative references.

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

Send comments (with copy to BSR) to: Steve Tackitt, c/o Lorna Badman, NSF; [badman@nsf.org](mailto:badman@nsf.org)

## Comment Deadline: November 7, 2005

## ADA (American Dental Association)

### Revisions

BSR/ADA Specification No. 41-200x, Recommended Standard Practices for Biological Evaluation of Dental Materials (revision, redesignation and consolidation of ANSI/ADA 41 and 41a-1979 (R2001))

This document covers standard practices for the biological evaluation of the safety of medical devices used in dentistry, including those with pharmacological agents as an integral part of the device.

Single copy price: \$235.00

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## ASA (ASC S12) (Acoustical Society of America)

### Revisions

BSR S12.2-200X, Criteria for Evaluating Room Noise (revision of ANSI S12.2-1995 (R1999))

This standard provides three primary methods for evaluating room noise:

- a survey method that employs the A-weighted sound level;
- an engineering method that employs expanded noise criteria (NC) curves; and
- a precision method that employs room noise criterion (RNC) curves.

Single copy price: \$120.00

Obtain an electronic copy from: [sblaeser@aip.org](mailto:sblaeser@aip.org)

Order from: Susan Blaeser, ASA (ASC S1); [sblaeser@aip.org](mailto:sblaeser@aip.org)

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BSR S12.9-Part 4-200x, Quantities and Procedures for Description and Measurement of Environmental Sound - Part 4: Noise Assessment and Prediction of Long-Term Community Response (revision of ANSI S12.9-Part 4-1996 (R2001))

Specifies methods to assess environmental sounds and to predict the annoyance response of communities to long-term noise from any and all types of environmental sounds produced by one or more distinct or distributed sound sources. The sources may be separate or in various combinations. Application of the method is limited to areas where people reside and related long-term land uses.

Single copy price: \$120.00

Obtain an electronic copy from: [sblaeser@aip.org](mailto:sblaeser@aip.org)

Order from: Susan Blaeser, ASA (ASC S1); [sblaeser@aip.org](mailto:sblaeser@aip.org)

Send comments (with copy to BSR) to: Same

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

### New Standards

BSR/ASHRAE 99P-200x, Refrigeration Oil Description (new standard)

First published in 1981 and reaffirmed in 1987, Standard 99P provides a uniform means of identifying particular refrigeration oils without resorting to commercial names or designations by utilizing common laboratory tests that are well recognized by those concerned with the use of the oil. This proposed revision of the standard expands its scope to include synthetic lubricants, especially those used with HFC refrigerants.

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BSR/ASHRAE 103P-200x, Method of Testing for Annual Fuel Utilization Efficiency of Residential Central Furnaces and Boilers (new standard)

This second public review draft of Standard 103-1993R makes three proposed independent substantive changes to the first draft. The changes were in response to comments submitted during the first public review. The first change is to Section 7.1; the second change is to Sections 8.6, 11.2.8.1, and 11.4.8.1.1; and the third change is to Table 7 in Section 9.8.3, which also impacts Sections 11.4.8.2 and 11.4.8.4. See the foreword to this addendum for details.

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**BSR/ASHRAE 110P-200x, Method of Testing Performance of Laboratory Fume Hoods (new standard)**

This public review draft is a proposed revision of ASHRAE Standard 110-1995, Method of Testing Performance of Laboratory Fume Hoods. The standard specifies a qualitative and quantitative test method for the evaluation of fume hoods and applies to conventional, bypass, auxiliary air, and VAV laboratory fume hoods.

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**BSR/ASHRAE 118.2P-200x, Method of Testing for Rating Residential Water Heaters (new standard)**

This proposed revision of ASHRAE Standard 118.2-1993, Method of Testing for Rating Residential Water Heaters, incorporates various changes to improve clarity and consistency. Some material was moved to appendices. Other changes were to require one pre-draw, to require a 24 hour soak-in period before the test, and to handle recovery periods that are preceded by multiple draws. The tolerances allowed in some measurements were reduced, and the references were updated.

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**BSR/ASHRAE 161P-200x, Air Quality within Commercial Aircraft (new standard)**

This is the first public review of proposed Standard 161, which defines the requirements for air quality in air-carrier aircraft and specifies methods of measurement and testing for compliance with the standard. It applies to commercial passenger air-carrier aircraft carrying 20 or more passengers and certified under Title 14 CFR Part 25. It considers chemical, physical, and biological contaminants and factors such as moisture, temperature and pressure that may affect air quality.

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**BSR/ASHRAE 169P-200x, Weather Data for Building Design Standards (new standard)**

This proposed new standard is intended as a comprehensive source of climate data for those involved in building design. It provides a variety of climatic information used in the design, planning and sizing of buildings' energy systems and equipment and should be a valuable resource available for referencing in building design standards. The weather data has been compiled from ANSI/ASHRAE/IESNA Standard 90.1-2004, ANSI/ASHRAE Standard 90.2-2004, and the 2005 ASHRAE Handbook - Fundamentals.

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**BSR/ASHRAE 170P-200x, Ventilation of Health Care Facilities (new standard)**

This proposed new standard, which is co-sponsored by the American Society for Healthcare Engineering (ASHE), aims to ensure high quality ventilation in health care facilities. Poorly ventilated facilities increase the likelihood of pathogenic particles occurring in the air. While most patients (and workers and visitors) are healthy enough to cope with them, some are more susceptible. For this reason, additional care must be taken in the design of health care facility ventilation systems.

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**Revisions**

**BSR/ASHRAE 146-1998R, Method of Testing and Rating Pool Heaters (revision of ANSI/ASHRAE 146-1998)**

This first public review draft is a proposed revision of Standard 146-1998, which prescribes uniform methods of testing and rating pool heaters and applies to all pool heaters operated by gas, oil, or electricity, including heat pumps using ambient air as a heat source. The draft makes a number of major changes to the way heat pump pool heaters are tested. Interested persons are invited to identify suggested improvements to the standard before publication of the revised document.

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**BSR/ASHRAE/IESNA 100-200x, Energy Conservation in Existing Buildings (revision of ANSI/ASHRAE/IESNA 100-1995, including Addendum 100a-1996)**

This proposed revision of ANSI/ASHRAE/IESNA Standard 100-1995 (which was modified by Addendum b) brings it in line with other published ASHRAE documents; specifically ANSI/ASHRAE/IESNA Standard 90.1-2004, Energy Standard for Buildings Except Low-Rise Residential Buildings, and the 2003 ASHRAE Handbook - HVAC Applications. This draft, which is the Second Public Review Draft, includes further improvements in response to the First Public Review in October 2004.

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**Supplements**

**BSR/ASHRAE 34g-200x, Designation and Safety Classification of Refrigerants (supplement to ANSI/ASHRAE 34-2001)**

This proposed addendum adds a column to Tables 1 and 2 titled "Toxicity Under Code Classification" with each refrigerant designated as highly toxic, toxic (as defined by the International Fire Code, Uniform Fire Code and OSHA) or neither (for refrigerants less toxic than defined above). All other columns in Table 1 and Table 2 are unchanged.

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BSR/ASHRAE 62.1b-200x, Ventilation for Acceptable Indoor Air Quality (supplement to ANSI/ASHRAE 62.1-2004)

This addendum cleans up a number of issues:

- (1) This addendum corrects discrepancies and omissions between Tables 5-2, 6-1 and 6-4;
- (2) The addendum deletes several space types from Table 5-2;
- (3) The addendum modifies Table 6-1 by providing an air classification for Science laboratories
- (4) The addendum modifies Table 6-1 by moving the following space types from Table 5-2 and by providing ventilation rates for these spaces;
- (5) The addendum modifies Table 6-1 by creating a new Note E that refers to combustion equipment used on playing surfaces; and
- (6) The addendum deletes the existing Note F from Table 6-4.

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BSR/ASHRAE 62.1c-200x, Ventilation for Acceptable Indoor Air Quality (supplement to ANSI/ASHRAE 62.1-2004)

This addendum updates material in Appendix B of the current standard, which contains a number of air-quality guidelines and regulations issued by bodies other than ASHRAE.

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BSR/ASHRAE 62.1d-200x, Ventilation for Acceptable Indoor Air Quality (supplement to ANSI/ASHRAE 62.1-2004)

This addendum updates Table 4-1 so that it matches the current NAAQS pollutant listing (which was most recently amended July 1, 2004) rather than the previous NAAQS pollutant listing (which was amended July 1, 1987). The entries in the table are not subject to alteration by ASHRAE, since the table is merely a reprint of a government publication. However, the "normative" reference to the government document, in Section 9, is subject to review by ASHRAE.

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

This proposed addendum substitutes the IECC climate zone map for infiltration degree days as the basis for the criteria of Section 4.1 Exception (a) without significantly changing the area included in the version of the addenda adopted previously by the SSPC. This proposed change will make the requirements of Standard 62.2 much more understandable and increase its usability in the residential building industry.

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BSR/ASHRAE 135d-200x, BACnet - A Data Communication Protocol for Building Automation and Control Networks (supplement to ANSI/ASHRAE 135-2004)

Key revisions in this proposed addendum include adding a new Structured View object type, allowing acknowledgment of unseen TO-OFFNORMAL event notifications, relaxing the Private Transfer and Text Message BIBB requirements, excluding LIFE\_SAFETY and BUFFER\_READY notifications from the Alarm Notifications BIBBs, and establishing the minimum requirements for a BACnet device with an application layer. Refer to the foreword in this draft for a complete list of changes.

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BSR/ASHRAE 135e-200x, BACnet - A Data Communication Protocol for Building Automation and Control Networks (supplement to ANSI/ASHRAE 135-2004)

This proposed addendum to ANSI/ASHRAE Standard 135-2005 adds a new Load Control object type.

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

Exception (b) to Section 5.5.4.4.1 allows users to take credit for overhangs towards compliance with the maximum SHGC requirements. The table of credits was developed based on an opaque overhang. This addendum provides clarification on how the credits would apply to louvered overhangs and to partially opaque overhangs.

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

The ASHRAE Standard 90.1-2004 climatic data for China contains a single location (Shanghai/Hongqiao) which is not adequate to effectively use the standard across the entire country. The SPC 169 Weather Data for Building Design Standards has current climatic data and is developing a standard that would contain all of the data required by 90.1 and 90.2. In the meantime, the current climatic data for just China (368 locations) and Taiwan (38 locations) was made available and was used to develop this proposal.

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

There are several different kinds of systems available to hoteliers that will set-back temperature during periods that a room is unsold or unoccupied. Each gives a different amount of control to the hotelier.

Single copy price: Free

Order from: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

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

The following change to Table 6.8.1F adds an additional requirement of combustion efficiency to the current requirement of thermal efficiency for boilers. The change also reflects a new test procedure from DOE which references the H.I. Heating Boiler standard.

Single copy price: Free

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

This standard provides another test method to allow high albedo roofs.

Single copy price: Free

Order from: standards.section@ashrae.org

Send comments (with copy to BSR) to: Same

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

This language establishes performance requirements for air leakage of the opaque envelope. Performance requirements have existed for fenestration and door products to date, but evidence suggests that the opaque envelope is the source of the majority of air leakage in buildings, and that the cause is the lack of attention in the design, construction and enforcement process due to the absence of performance criteria.

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Send comments (with copy to BSR) to: Same

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

ASHRAE Standard 62.1-2004 is quite different from the current referenced version of ASHRAE Standard 62-1999. As a result, the following changes are required in order to update the reference for ASHRAE Standard 90.1: required changes in the referenced text section, as well as in Section 12. While there are substantive changes, the committee attempted to keep the intent of the referenced sections the same for Standard 90.1.

Single copy price: Free

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Send comments (with copy to BSR) to: Same

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

These requirements for basement walls with interior insulation represent insulation levels necessary to ensure a minimal level of energy efficiency.

Single copy price: Free

Order from: standards.section@ashrae.org

Send comments (with copy to BSR) to: Same

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

The addendum attempts to address issues related to mass walls.

Single copy price: Free

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Send comments (with copy to BSR) to: Same

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

This addendum adds insulation requirements for walls adjacent to unconditioned spaces and defines the situations where these requirements apply.

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

The Project Committee felt changes to the values in moderate climates were appropriate because of recent studies that examined the energy benefits of higher SHGC in moderate to cold climates. These studies revealed that higher values could have some benefit to energy savings.

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Send comments (with copy to BSR) to: Same

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

The following changes were needed to clarify the requirements for High Albedo roofs.

Single copy price: Free

Order from: standards.section@ashrae.org

Send comments (with copy to BSR) to: Same

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

This addendum updates the standards referenced by Standard 90.2-2004. In one case, both the standard and Table 5.9.1 are updated in order to coordinate the proposed change. The standards shown have been reviewed and references have been revised in preparation for the 2007 edition of Standard 90.2.

Single copy price: Free

Order from: standards.section@ashrae.org

Send comments (with copy to BSR) to: Same

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

The ASHRAE Standard 90.2-2004 climatic data for China contains a single location (Shanghai/Hongqiao) and two locations in Taiwan. This limited data is not adequate to effectively use the standard in China. The SPC 169 Weather Data for Building Design Standards has similar climatic data and SPC 169 is working on the development of a standard that will contain all of the data required by 90.1 and 90.2, including China, when completed. In the interim, this addendum adds the current climatic data for just China (368 locations) and Taiwan (38 locations) until the SPC 169 work is published.

Single copy price: Free

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Send comments (with copy to BSR) to: Same

### **Reaffirmations**

BSR/ASHRAE 25-2001 (R200x), Methods of Testing Forced Convection and Natural Convection Air Coolers for Refrigeration (reaffirmation of ANSI/ASHRAE 25-2001)

Prescribes methods of testing the cooling capacities and air flow rates of forced convection and natural convection air coolers for refrigeration. It does not include air coolers of the recalculated primary liquid refrigerant type. It does not include air-conditioning units for which testing methods are given in other standards.

Single copy price: Free

Obtain an electronic copy from: www.ashrae.org

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BSR/ASHRAE 26-1996 (R200x), Mechanical Refrigeration and Air-Conditioning Installations Aboard Ship (reaffirmation of ANSI/ASHRAE 26-1996)

Provides the minimum general requirements for the design, construction, installation, operation, inspections, and maintenance of mechanical refrigerations and air-conditioning equipment aboard ships to permit the safe, efficient, and reliable operation of such systems.

Single copy price: Free

Obtain an electronic copy from: [www.ashrae.org](http://www.ashrae.org)

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BSR/ASHRAE 28-1996 (R200x), Method of Testing Flow Capacity of Refrigerant Capillary Tubes (reaffirmation of ANSI/ASHRAE 28-1996 (R2002))

This standard prescribes two test methods for determining the flow of capacity of capillary tubes such as are used for refrigerant metering in refrigeration systems, traditional method and alternative method.

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BSR/ASHRAE 40-2002 (R200x), Methods of Testing for Rating Heat-Operated Unitary Air-Conditioning and Heat Pump Equipment (reaffirmation of ANSI/ASHRAE 40-2002)

This standard applies to heat-operated unitary air conditioners and heat pumps consisting of one or more assemblies, including engine-driven systems. Where such equipment is provided in more than one assembly, the separate assemblies are designed to be used together.

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BSR/ASHRAE 41.1-1986 (R200x), Temperature Measurement, Standard Method for (reaffirmation of ANSI/ASHRAE 41.1-1986 (R2001))

The procedures described herein are intended for use in testing heating, refrigerating and air-conditioning equipment and components.

Single copy price: Free

Obtain an electronic copy from: [www.ashrae.org](http://www.ashrae.org)

Order from: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

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BSR/ASHRAE 41.4-1996 (R200x), Method for Measurement of Proportion of Lubricant in Liquid Refrigerant (reaffirmation of ANSI/ASHRAE 41.4-1996)

This standard provides a method for measurement of proportion of lubricant in liquid refrigerant.

Single copy price: Free

Obtain an electronic copy from: [www.ashrae.org](http://www.ashrae.org)

Order from: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

Send comments (with copy to BSR) to: Same

BSR/ASHRAE 41.6-1994 (R200x), Method for Measurement of Moist Air Properties (reaffirmation of ANSI/ASHRAE 41.6-1994 (R2001))

To describe various instruments and techniques for the measurement of moist air properties.

Single copy price: Free

Obtain an electronic copy from: [www.ashrae.org](http://www.ashrae.org)

Order from: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

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BSR/ASHRAE 41.7-1984 (R200x), Method of Test for Measurement of Flow of Gas (reaffirmation of ANSI/ASHRAE 41.7-1984 (R2000))

This standard provides flow-measuring techniques for volatile refrigerant, gaseous phase, and air under conditions where the method for flow measurement set forth in ASHRAE Std 41.2 are inconvenient or unsatisfactory.

Single copy price: Free

Obtain an electronic copy from: [www.ashrae.org](http://www.ashrae.org)

Order from: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

Send comments (with copy to BSR) to: Same

BSR/ASHRAE 72-1998 (R200x), Method of Testing Open Refrigerators (reaffirmation of ANSI/ASHRAE 72-1998)

This standard includes procedures that describe and specify test instruments and apparatus, describe and specify laboratory test instruments and apparatus, laboratory test methods and procedures, test data to be recorded, calculations to be made from test data, define terms used in testing and specify standard thermodynamic properties.

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Send comments (with copy to BSR) to: Same

BSR/ASHRAE 86-1994 (R200x), Method of Testing the Floc Point of Refrigeration Grade Oil (reaffirmation of ANSI/ASHRAE 86-1994 (R2002))

The test for floc point is intended to determine the waxing tendency of refrigeration grade oils at low temps. The test is based on evaluation of the wax precipitation tendency of a mixture containing 90% R-12 and 10% by volume of the oil being tested.

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Order from: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

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BSR/ASHRAE 94.1-2002 (R200x), Method of Testing Active Latent Heat Storage Devices Based on Thermal Performance (reaffirmation of ANSI/ASHRAE 94.1-2002)

This standard applies to latent heat thermal energy storage devices in which a transfer fluid enters the device through a single inlet and leaves the device through a single outlet.

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BSR/ASHRAE 94.2-1989 (R200x), Method of Testing Thermal Storage Devices with Electrical Input and Thermal Output Based on Thermal Performance (reaffirmation of ANSI/ASHRAE 94.2-1989 (R2002))

This standard applies to thermal storage devices that are charged electrically and discharged thermally.

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BSR/ASHRAE 94.3-1986 (R200x), Method of Testing Active Sensible Thermal Energy Devices Based on Thermal Performance (reaffirmation of ANSI/ASHRAE 94.3-1986 (R2002))

This standard applies to sensible-heat-type thermal energy storage devices in which a transfer fluid enters the device through a single inlet and leaves the device through a single outlet.

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BSR/ASHRAE 136-1993 (R200x), A Method of Determining Air Change Rates in Detached Dwellings (reaffirmation of ANSI/ASHRAE 136-1993 (R2002))

The effective outdoor change rates calculated by use of this standard are based on the use of measured air leakage data, include the effects of infiltration and mechanical ventilation, are annual avg values, apply only to detached single family dwellings.

Single copy price: Free

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## **NCPDP (National Council for Prescription Drug Programs)**

### **Revisions**

BSR/NCPDP TC VC.2-200x, Telecommunication Standard, Version C.2 (revision and redesignation of ANSI/NCPDP TC VA.1-2004)

The standard supports the format for electronic communication of pharmacy service-related billing, prior authorization processing, and information reporting between pharmacies and other responsible parties. This standard addresses the data format and content and other appropriate telecommunication requirements.

Single copy price: \$650.00

Obtain an electronic copy from: [ncdpd@ncdpd.org](mailto:ncdpd@ncdpd.org)

Order from: Kittye Krempin, NCPDP; [kkrempin@ncdpd.org](mailto:kkrempin@ncdpd.org)

Send comments (with copy to BSR) to: Same

## **NSF (NSF International)**

### **Revisions**

BSR/NSF 42-200x (i51), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2002a)

Issue 51: To revise requirements for filter media.

Single copy price: \$35.00

Obtain an electronic copy from:

[www.techstreet.com/cgi-bin/browsePublisher?publisher\\_id=133&subgroup\\_id=10020](http://www.techstreet.com/cgi-bin/browsePublisher?publisher_id=133&subgroup_id=10020)

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Send comments (with copy to BSR) to: T. Duncan, c/o Lorna Badman, NSF; [badman@nsf.org](mailto:badman@nsf.org)

★ BSR/NSF 53-200x (i58), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2004)

Issue 58: To revise requirements for filter media.

Single copy price: \$35.00

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Send comments (with copy to BSR) to: T. Duncan, c/o Lorna Badman, NSF; [badman@nsf.org](mailto:badman@nsf.org)

## **UL (Underwriters Laboratories, Inc.)**

### **Revisions**

BSR/UL 884-200x, Standard for Safety for Underfloor Raceways and Fittings (Proposal dated 9-23-05) (revision of ANSI/UL 884-2003)

These requirements cover metal underfloor duct systems designed for use as raceways for the installation of wires and cables in accordance with the National Electrical Code (NEC), NFPA 70. General compliance of underfloor raceway systems in accordance with the construction and performance requirements in this standard shall be determined by a study of an actual installation of the system or a completely representative sample installation.

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: Paul Lloret, UL-CA; [Paul.E.Lloret@us.ul.com](mailto:Paul.E.Lloret@us.ul.com)

BSR/UL 1472-200x, Standard for Safety for Solid-State Dimming Controls (revision of ANSI/UL 1472-2002)

The following items are subject to comments:

- (1) Revisions to updated the references for requirements for cover plates for flush-mounted dimmers now provided in the Standard for Cover Plates for Flush-Mounted Wiring Devices, UL 514D;
- (2) Revisions of the Scope of the Standard;
- (3) Revisions to require that there not be any connections or components in parallel with the air-gap switch of a dimmer;
- (4) Clarification that dimmers intended for use with electronic ballasts are required to be marked in accordance with Clause 7.1.6;
- (5) Clarification that a synthetic load may be used in place of magnetic ballast;
- (6) Addition of requirements for electronic transformers for low voltage incandescent lighting;
- (7) Clarification of the acceptance criteria for the Air-Gap Switch Test, Clause 5.7;
- (8) Revision to clarify the location of the marking for the identifying catalog or model number of a dimmer; and
- (9) Miscellaneous revisions for clarification purposes, which include wording changes, addition of glossary terms, and revising graphic notes.

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Send comments (with copy to BSR) to: Jeff Prusko, UL-IL; [Jeffrey.Prusko@us.ul.com](mailto:Jeffrey.Prusko@us.ul.com)



## Comment Deadline: November 22, 2005

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

### UL (Underwriters Laboratories, Inc.)

#### Revisions

BSR/UL 1072-200x, Standard for Safety for Medium-Voltage Power Cables (Proposal dated September 23, 2005) (revision of ANSI/UL 1072-2003)

Proposed Fourth edition of UL 1072 including revisions for:

- (a) Shielding in cables rated higher than 2400 volts;
- (b) Cables with 173 percent insulation levels;
- (c) Replacement of the 20-mil pin;
- (d) Maximum and average thicknesses from paragraph 13.2;
- (e) Unused metric tensile values;
- (f) Tension Test;
- (g) ST1 marking;
- (h) DREP insulation type;
- (i) Cable resistant to a temperature of -40 C;
- (j) Tables 23.1 and Table 23.2;
- (k) Table 15.1;
- (l) Editorial changes; and
- (m) Dated references.

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Send comments (with copy to BSR) to: Walter Hoffmann, UL-NY;  
[Walter.H.Hoffmann@us.ul.com](mailto:Walter.H.Hoffmann@us.ul.com)

## 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)

BSR INCITS PN-1504-D-200x, Information technology - Fibre Channel Audio Visual -Generation 2 (FC-AV-2) (new standard)

# Call for Comment Contact Information

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

## Order from:

### **ADA**

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

Fax: (312) 440-2529

### **ASA (ASC S1)**

ASC S1  
35 Pinelawn Road Suite 114E  
Melville, NY 11747  
Phone: (631) 390-0215  
Fax: (631) 390-0217  
Web: [asa.aip.org/index.html](http://asa.aip.org/index.html)

### **ASHRAE**

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

### **comm2000**

1414 Brook Drive  
Downers Grove, IL 60515  
Web: [www.comm-2000.com](http://www.comm-2000.com)

### **NCPDP**

National Council for Prescription  
Drug Programs  
9240 E. Raintree Drive  
Scottsdale, AZ 85260  
Phone: (480) 477-1000  
Web: [www.ncdp.org](http://www.ncdp.org)

### **NSF**

NSF International  
P.O. Box 130140  
Ann Arbor, MI 48113-0140  
Phone: (734) 827-6806  
Fax: (734) 827-6831  
Web: [www.nsf.org](http://www.nsf.org)

## Send comments to:

### **ADA**

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

### **ASA (ASC S1)**

ASC S1  
35 Pinelawn Road Suite 114E  
Melville, NY 11747  
Phone: (631) 390-0215  
Fax: (631) 390-0217  
Web: [asa.aip.org/index.html](http://asa.aip.org/index.html)

### **ASHRAE**

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1791 Tullie Circle, N.E.  
Atlanta, GA 30329  
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9240 E. Raintree Drive  
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### **UL-CA**

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Fax: (408) 556-6045

### **UL-IL**

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333 Pfingsten Road  
Northbrook, IL 60062  
Phone: (847) 272-8800

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Underwriters Laboratories, Inc.  
1285 Walt Whitman Road  
Melville, NY 11747-3081  
Phone: (631) 271-6200, Ext. 22564  
Fax: (631) 439-6021

# Initiation of Canvasses

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

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## **BHMA (Builders Hardware Manufacturers Association)**

*Michael Tierney, BHMA; mptierney@snet.net*

BSR/BHMA A156.3-200x, Exit Devices (revision of ANSI/BHMA A156.3-2001)

BSR/BHMA A156.19-200x, Low Energy Doors (revision of ANSI/BHMA A156.19-2002)

BSR/BHMA A156.20-200x, Strap & Tee Hinges (revision of ANSI/BHMA A156.20-1989 (R1996))

## **BIFMA (Business and Institutional Furniture Manufacturers Association)**

*Richard Driscoll, BIFMA; rdriscoll@bifma.org*

BSR/BIFMA M7.1-200x, Office Furniture Emissions (Test Method) (new standard)

BSR/BIFMA X7.1-200x, Office Furniture Emissions (Standard) (new standard)

# 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.

## ANS (American Nuclear Society)

### Reaffirmations

ANSI/ANS 15.8-1995 (R2005), Quality Assurance Program Requirements for Research Reactors (reaffirmation of ANSI/ANS 15.8-1995): 9/14/2005

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

### Supplements

ANSI/ASHRAE 34k-2005, Designation and Safety Classification of Refrigerants (supplement to ANSI/ASHRAE 34-2001): 7/1/2005

## ATIS (Alliance for Telecommunications Industry Solutions)

### New Standards

- ★ ANSI ATIS 0700004-2005, High Capacity-Spatial Division Multiple Access (HC-SDMA) (new standard): 9/14/2005

### Reaffirmations

ANSI T1.206-2001 (R2005), Telecommunications - Digital Exchanges and PBXs - Digital Circuit Loopback Test Line with N X DS0 Capability (reaffirmation of ANSI T1.206-2001): 9/14/2005

ANSI T1.226-2001 (R2005), Operations, Administration, Maintenance, and Provisioning (OAM&P) - Management of Functions for Signalling System No. 7 (SS7) Network Interconnections (reaffirmation of ANSI T1.226-2001): 9/14/2005

ANSI T1.250-1996 (R2005), OAM&P - Extension to Generic Network Information Model for Interfaces between Operations Systems and Network Elements to Support Configuration Management - Analog and Narrowband ISDN Customer Service Provisioning (reaffirmation of ANSI T1.250-1996 (R2001)): 9/14/2005

### Withdrawals

ANSI T1.701-1994, Universal Personal Telecommunications (UPT) - Service Description (Service Set One) (withdrawal of ANSI T1.701-1994 (R1999)): 9/14/2005

ANSI T1.702-1995, Telecommunications - Personal Communications Terminology (withdrawal of ANSI T1.702-1995 (R1999)): 9/14/2005

## AWWA (American Water Works Association)

### Revisions

ANSI/AWWA C600-2005, Installation of Ductile-Iron Water Mains and Their Appurtenances (revision of ANSI/AWWA C600-1999): 9/14/2005

ANSI/AWWA C105/A21.5-2005, Polyethylene Encasement for Ductile-Iron Pipe Systems (revision of ANSI/AWWA C105/A21.5-1999): 9/14/2005

## CSA (ASC Z21/83) (CSA America, Inc.)

### New Standards

- ★ ANSI Z21.94-2005, Automatic Flammable Vapor Sensor Systems and Components (same as CSA 6.31) (new standard): 9/14/2005

## IIAR (International Institute of Ammonia Refrigeration)

### New Standards

ANSI/IIAR 3-2005, Ammonia Refrigeration Valves (new standard): 9/14/2005

## NCPDP (National Council for Prescription Drug Programs)

### Revisions

ANSI/NCPDP SC V8.0-2005, Prescriber/Pharmacist Interface SCRIPT, Version 8.0 (revision and redesignation of ANSI/NCPDP SC V7.0-2005): 9/14/2005

ANSI/NCPDP TC VC.0-2005, Telecommunication Standard, Version C.0 (revision and redesignation of ANSI/NCPDP TC VB.0-2005): 9/14/2005

## NSF (NSF International)

### Revisions

ANSI/NSF 50-2005 (i25), Circulation System Components and Related Materials for Swimming Pools, Spas/Hot Tubs (revision of ANSI/NSF 50-2000): 9/1/2005

ANSI/NSF 170-2005 (i3), Glossary of food equipment terminology (revision of ANSI/NSF 170-2002): 9/9/2005

## TIA (Telecommunications Industry Association)

### Reaffirmations

ANSI/TIA 334-C-2000 (R2005), Signal Quality at Interface between Data Terminal Equipment and Synchronous Data Circuit-Terminating Equipment for Serial Data Transmission (reaffirmation of ANSI/TIA 334-C-2000): 9/14/2005

ANSI/TIA 592-A-1998 (R2005), Asynchronous Facsimile DCE Control Standard - Service Class 2 (reaffirmation of ANSI/TIA 592-A-1998): 9/14/2005

ANSI/TIA 602-A-2000 (R2005), Data Transmission Systems and Equipment, Serial Asynchronous Automatic Dialing and Control (reaffirmation of ANSI/TIA 602-A-2000): 9/14/2005

ANSI/TIA 612-1993 (R2005), Electrical Characteristics for an Interface at Data Signaling Rates Up to 52 Mbit/s (reaffirmation of ANSI/TIA 612-1993 (R1999)): 9/14/2005

ANSI/TIA 613-1993 (R2005), High Speed Serial Interface for Data Terminal Equipment and Data Circuit-Terminating Equipment (reaffirmation of ANSI/TIA 613-1993 (R1999)): 9/14/2005

### Supplements

ANSI/TIA 568-B.2-9-200x, Commercial Building Telecommunications Cabling Standard - Part 2: - Balanced Twisted-Pair Cabling Components - Addendum 9 - Additional Category 6: Balance Requirements and Measurement Procedures (supplement to ANSI/TIA 568-B.2-2001): 9/14/2005

## **UL (Underwriters Laboratories, Inc.)**

### ***New Standards***

ANSI/UL 2556-2005, Standard Test Methods for Wires and Cables  
(new standard): 9/7/2005

### ***Revisions***

ANSI/UL 752-2005, Standard for Safety for Bullet-Resisting Equipment  
(revision of ANSI/UL 752-1997): 9/9/2005

- ★ ANSI/UL 60335-2-3-2005, Standard for Safety for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Electric Irons (revision of ANSI/UL 60335-2-3-2004): 9/6/2005

# 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.

## ADA (American Dental Association)

**Office:** 211 East Chicago Avenue  
Chicago, IL 60611-2678

**Contact:** Sharon Stanford

**Fax:** (312) 440-2529

**E-mail:** stanfords@ada.org

BSR/ADA Specification No. 113-200x, Periodontal Curettes - Dental Scalers (national adoption with modifications)

Stakeholders: Dental practitioners and dental instrument

Project Need: There currently is no national standard for periodontal curette scalers; however, these instruments are widely used in the U.S.

This standard will require references to a general periodontal curette standard that is based on ISO13397-1, covering definitions, hardness classifications, materials, finish, corrosion resistance, mechanical properties (tensile and torque) as well as test methods. Currently, we do not have general requirements for periodontal curettes that are acceptable for use. The contents of the new standard will be very similar to ISO 13397-2, but with revised general requirements.

## ANS (American Nuclear Society)

**Office:** 555 North Kensington Avenue  
La Grange Park, IL 60525

**Contact:** Pat Schroeder

**Fax:** (708) 352-6464

**E-mail:** pschroeder@ans.org

BSR/ANS 8.23-200x, Nuclear Criticality Accident Emergency Planning and Response (revision of ANSI/ANS 8.23-1997)

Stakeholders: DOE facilities and NRC-licensed nuclear fuel facilities that process significant quantities of fissile material.

Project Need: To facilitate improvements in emergency response to a nuclear criticality accident.

This standard provides criteria for minimizing risks to personnel during emergency response to a nuclear criticality accident outside reactors. This standard applies to facilities for which a criticality accident alarm system, as specified in American National Standard Criticality Accident Alarm System, ANSI/ANS-8.3-1997, is in use. This standard does not apply to nuclear power plant sites or to those licensed research reactor facilities, which are addressed by other standards.

## ASNT (American Society for Non-Destructive Testing)

**Office:** 1711 Arlingate Lane  
P.O. Box 28518  
Columbus, OH 43228-0518

**Contact:** Brian O'Connell

**Fax:** (614) 274-6003

**E-mail:** boconnell@asnt.org

BSR/ASNT CP-189-200x, Qualification and Certification of Nondestructive Testing Personnel (identical national adoption)

Stakeholders: General industry.

Project Need: Revise current text.

This standard covers the qualification and certification of personnel whose specific tasks or jobs require appropriate knowledge of the technical principals underlying nondestructive testing (NDT) methods. These specific tasks or jobs include, but are not limited to, performing, specifying, reviewing, monitoring, supervising, and evaluating NDT work.

## ASQ (ASC Z1) (American Society for Quality)

**Office:** 600 North Plankinton Avenue  
Milwaukee, WI 53203

**Contact:** Valerie Sichi-Krysgman

**Fax:** (414) 272-1734

**E-mail:** jknopes@asq.org

BSR/AIAG/ASQ IWA-1-200x, Quality management systems - Guidelines for process improvements in health service organizations (identical national adoption)

Stakeholders: Healthcare organizations.

Project Need: Provide quality management guidance to healthcare organizations.

The IWA 1, 2nd Edition, is intended to provide the IWA 1, 1st Edition content with the same intent, but with improved appearance and usefulness. This is not the only way to interpret the ISO 9000 series of standards for health service organizations. The examples, definitions, and text given are only representative of how the wording is used within the context of this document.



**BHMA (Builders Hardware Manufacturers Association)**

**Office:** 355 Lexington Ave., 17th Floor  
New York, NY 10017

**Contact:** Michael Tierney

**Fax:** (860) 533-9382

**E-mail:** mptierney@snet.net

BSR/BHMA A156.3-200x, Exit Devices (revision of ANSI/BHMA A156.3-2001)

Stakeholders: Building and construction.

Project Need: Due for normal five-year revision cycle.

This standard establishes requirements for exit devices and trim, automatic and self-latching flush bolts, removable mullions, coordinators, and carry-open bars. Performance criteria include cycle, operational, strength, material evaluation, and finish tests. Functions and types are described and numbered.

BSR/BHMA A156.19-200x, Low Energy Doors (revision of ANSI/BHMA A156.19-2002)

Stakeholders: Building and construction.

Project Need: Due for normal five-year revision cycle.

Requirements in this Standard apply to power-assist doors, low-energy power-operated doors or low-energy power-open doors for pedestrian use, and some small vehicular use and not provided for in ANSI/BHMA A156.10, Power Operated Pedestrian Doors. Included are provisions intended to reduce the chance of user injury or entrapment.

BSR/BHMA A156.20-200x, Strap & Tee Hinges (revision of ANSI/BHMA A156.20-1989 (R1996))

Stakeholders: Building and construction.

Project Need: Due for normal five-year revision cycle.

This Standard establishes requirements for Strap Hinges, Tee Hinges, and Hasps, and includes performance tests covering operational and strength criteria. Tests described in this Standard are performed under laboratory conditions. In actual usage, results vary because of installation, maintenance, and environmental conditions.

**GEI (Greenguard Environmental Institute)**

**Office:** 1341 Capital Circle Suite A  
Atlanta, GA 30067

**Contact:** Carl Smith

**Fax:** (770) 980-0072

**E-mail:** csmith@greenguard.org

BSR/GEI Mold Prevention in Existing Buildings-200x, Protocol for Mold Prevention in Existing Buildings (new standard)

Stakeholders: Property owners, investors, debt holders, tenants, building operators, building contractors and architects.

Project Need: To develop a protocol for diagnosing and remediating mold in existing buildings, and establishing an occupancy and maintenance plan for ongoing prevention.

This standard provides:

- Smart mold prevention practices in building design, construction, and maintenance;
- A protocol for mold diagnosis and remediation in existing buildings; and
- A protocol for developing an ongoing mold operations and maintenance plan following occupancy.

**IAPMO (International Association of Plumbing & Mechanical Officials)**

**Office:** 5001 East Philadelphia Street  
Ontario, CA 91761-2816

**Contact:** Charles Gross

**Fax:** (909) 472-4178

**E-mail:** chasgross@iapmo.org

BSR/IAPMO Z1000-200x, Prefabricated Septic Tanks (new standard)

Stakeholders: Consumers.

Project Need: Requested by manufacturers for testing and

Establishes an acceptable quality standard for prefabricated septic tanks of concrete, fiberglass - reinforced plastic, or polyethylene intended for domestic or commercial sewage disposal systems. It shall serve as a guide for producers, distributors, architects, engineers, contractors, installers, inspectors and users, and to promote a better understanding regarding materials, manufacture, and installation; and to also provide marking/labeling for identifying prefabricated septic tanks that conform to this standard.

BSR/IAPMO Z1001-200x, Prefabricated Gravity Grease Interceptors (new standard)

Stakeholders: Consumers.

Project Need: Requested by plumbing manufacturers for testing and certification.

Establishes specifications regarding the construction of prefabricated gravity grease interceptors. Prefabricated gravity grease interceptors are sized and specified under Chapter 10 of the Uniform Plumbing Code. This standard is to serve as a guide for producers, distributors, architects, engineers, contractors, installers, inspectors and users; to promote understanding regarding design, materials, and the installation; and to also provide marking/labeling for identifying prefabricated gravity grease interceptors that conform to this standard.

**ICC (ASC A117) (International Code Council)**

**Office:** 4051 West Flossmoor Road  
Country Club Hills, IL 60478-5795

**Contact:** Edward Wirtschoreck

**Fax:** (708) 799-0320

**E-mail:** ewirtschoreck@iccsafe.org

BSR/ICC A117.1-200x, Accessible and Usable Buildings and Facilities (revision of ANSI/ICC A117.1-2003)

Stakeholders: Design professionals, manufacturers, constructors, and building, fire and other government officials.

Project Need: To update the standard to be consistent with current accessibility and industry standards and practices.

Site design and architectural features affecting the accessibility and usability of buildings and facilities, consideration to be given to all types of physical and sensory disabilities, to publicly used buildings and facilities, and to residential structures.

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

**Office:** 1250 Eye Street, NW  
Suite 200  
Washington, DC 20005-3922

**Contact:** *Barbara Bennett*

**Fax:** (202) 638-4922

**E-mail:** [bbennett@itic.org](mailto:bbennett@itic.org)

BSR INCITS PN-1602-D-200x, Information Technology - Biometric Performance Testing and Reporting - Part 6: Performance and Interoperability Testing of Implementations Claiming Conformance to Biometric Data Interchange Format Standards (new standard)

Stakeholders: Users of biometric data.

Project Need: NIST has embarked on a large scale test of the INCITS 378 finger minutia format.

It generally remains the case that standards addressing the testing of conformance, interoperability and performance of biometric interchange data do not currently exist. There is consensus that there is a need for such standards: specifically the M1.3 in Miami in February 2005 posited, in document M1/05-0211, that together, performance and conformance tests would constitute a complete test of that of a base interchange format standard.

BSR INCITS PN-1622-D-200x, Information Technology - Common Biometric Exchange Formats Framework (CBEFF) - Amendment 1 (INCITS 398:2005 Amendment 1) (new standard)

Stakeholders: Homeland defense, users of biometrics, and other government and commercial applications.

Project Need: To correct any technical errors discovered by members of the CBEFF Team that originally published the CBEFF specification (ANSI INCITS 398-2005).

The proposed amendment is intended to correct any technical errors/clarifications noted in the alleged defect report posted in the M1 document register as document M1/05-0328 as well as to include required clarifications to further help users and developers of these data structures.

BSR INCITS PN-1749-D-200x, Information Technology - Conformance Testing Methodology for Biometric Data Interchange Format Standards - Part 10: Conformance Testing Methodology for INCITS 396:2005 - Hand Geometry Interchange Format (new standard)

Stakeholders: Existing markets for providing iris image data

Project Need: To provide a standard conformance testing methodology that will encourage wider adoption by users of biometric solutions conforming to INCITS 396 and promote among the industry the development of conformant implementations of INCITS 396.

The proposed standard will include:

- (1) Specification of abstract test suites;
- (2) Specification of conformance testing procedures;
- (3) Specification of required data streams and error indices to be used with the testing procedures;
- (4) Specification of a critical set of test assertions useful to develop test tools to test, at a minimum, the normative requirements of INCITS 396; and
- (5) Guidance for creating conformance testing samples.

**NECA (National Electrical Contractors Association)**

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

**Contact:** *Billie Zidek*

**Fax:** (301) 215-4500

**E-mail:** [Billie.zidek@necanet.org](mailto:Billie.zidek@necanet.org)

BSR/NECA 402-200x, Standard for Maintaining Motor Control Centers (revision of ANSI/NECA 402-2001)

Stakeholders: Electrical contractors and their customers.

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "neat and workmanlike" manner.

This recommended practice describes installation procedures for motor control centers rated 600 volts or less.

**NEMA (ASC C136) (National Electrical Manufacturers Association)**

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

**Contact:** *Ronald Runkles*

**Fax:** (703) 841-3378

**E-mail:** [ron\\_runkles@nema.org](mailto:ron_runkles@nema.org)

BSR C136.18-200x, Roadway and Area Lighting Equipment - High-Mast Side-Mounted Luminaires for Horizontal and Vertical-Burning High-Intensity Discharge Lamps (revision of ANSI C136.18-1999)

Stakeholders: Electric utilities.

Project Need: This standard is used to specify products being purchased.

This standard is intended to cover physical, operational, maintenance, and light-distribution features that permit use of high-mast luminaires in roadway applications when specified. It is not intended that compliance with this standard will permit interchangeability with existing roadway equipment without thorough engineering review and evaluation.

**SCTE (Society of Cable Telecommunications Engineers)**

**Office:** 140 Phillips Road  
Exton, PA 19341

**Contact:** *Robin Fenton*

**E-mail:** [rfenton@scte.org](mailto:rfenton@scte.org)

BSR/SCTE 24-1-200x, IPCablecom - Part 1: Architecture Framework for the Delivery of Time-Critical Services Over Cable Television Networks Using Cable Modems (revision of ANSI/SCTE 24-1-2001)

Stakeholders: Cable telecommunications industry.

Project Need: Contains additional material and revised text.

This document provides the architectural framework that will enable cable television operators to provide time critical services over their networks that have been enhanced to support cable modems.

BSR/SCTE 24-2-200x, IPCablecom - Part 2: Audio Codec Requirements for the Provision of Bi-Directional Audio Service Over Cable Television Networks Using Cable Modems (revision of ANSI/SCTE 24-2-2001)

Stakeholders: Cable telecommunications industry.

Project Need: Contains additional material and revised text.

This standard specifies the audio (voice) codecs that are to be used in the provisioning of bi-directional audio services over cable television distribution networks using IP technology (i.e., IPCablecom service). The standard also addresses codec options and packetization issues.

BSR/SCTE 24-3-200x, IPCablecom - Part 3: Network Call Signaling Protocol for the Delivery of Time-Critical Services over Cable Television Using Data Modems (revision of ANSI/SCTE 24-3-2004)

Stakeholders: Cable telecommunications industry.

Project Need: Contains additional material and revised text.

This Specification describes a profile of an application programming interface, Media Gateway Controller Interface (MGCI), and a corresponding protocol, Media Gateway Control Protocol (MGCP), for controlling voice-over-IP (VoIP) embedded clients from external call control elements. The MGCP assumes a call control architecture where the call control "intelligence" is outside the gateways and is handled by external call control elements. The profile, as described in this Specification, will be referred to as the Network-based Call Signaling (NCS) Protocol.

BSR/SCTE 24-4-200x, IPCablecom - Part 4: Dynamic Quality of Service for the Provision of Real-Time Services over Cable Television Networks Using Data Modems (revision of ANSI/SCTE 24-4-2004)

Stakeholders: Cable telecommunications industry.

Project Need: Contains additional material and revised text.

This Specification addresses requirements for a client device to obtain access to network resources. In particular, it specifies a comprehensive mechanism for a client device to request a specific Quality of Service from the DOCSIS network. Extensive examples illustrate the use of the standard. The scope of this specification is to define the QoS Architecture for the "Access" portion of the IPCablecom network, provided to requesting applications on a per-flow basis.

BSR/SCTE 24-5-200x, IPCablecom - Part 5: Media Terminal Adapter (MTA) Device Provisioning Requirements for the Delivery of Real-Time Services over Cable Television Using Cable Modems (revision of ANSI/SCTE 24-5-2001)

Stakeholders: Cable telecommunications industry.

Project Need: Contains additional material and revised text.

This document describes the IPCablecom MTA device initialization and provisioning process for an embedded MTA device. This document also defines the format of the configuration file used for MTA device provisioning.

BSR/SCTE 24-6-200x, IPCablecom - Part 6: Management Information Base (MIB) Network (revision of ANSI/SCTE 24-6-2001)

Stakeholders: Cable telecommunications industry.

Project Need: Contains additional material and revised text.

This document describes the framework in which IPCablecom MIBs (Management Information Base) are defined. It provides information on the management requirements of IPCablecom specified devices and functions and how these requirements are supported in the MIB. It is intended to support and complement the actual MIB documents, which are issued separately.

BSR/SCTE 24-7-200x, IPCablecom - Part 7: Media Terminal Adapter (MTA) Management Information Base (MIB) Requirements (revision of ANSI/SCTE 24-7-2001)

Stakeholders: Cable telecommunications industry.

Project Need: Contains additional material and revised text.

This standard describes IPCablecom MTA MIB requirement.

BSR/SCTE 24-8-200x, IPCablecom - Part 8: Network Call Signaling Management Information Base (MIB) Requirements (revision of ANSI/SCTE 24-8-2001)

Stakeholders: Cable telecommunications industry.

Project Need: Contains additional material and revised text.

This specification describes the IPCablecom Network Call Signaling (NCS) MIB requirements.

## **SVIA (Specialty Vehicle Institute of America)**

**Office:** 2 Jenner Street, Suite 150  
Irvine, CA 92618-3806

**Contact:** *Thomas Yager*

**Fax:** (949) 727-4217

**E-mail:** tyager@svia.org

BSR/SVIA 1-200x, Four Wheel All-Terrain Vehicles - Equipment, Configuration, and Performance Requirements (revision of ANSI/SVIA 1-2001)

Stakeholders: Manufacturers/distributors, consumers.

Project Need: To update the existing standard where needed and remain in compliance with ANSI procedures.

This voluntary standard addresses design, configuration and performance aspects of ATVs, including, among other items:

- requirements for mechanical suspension;
- throttle, clutch and gearshift controls;
- engine and fuel cutoff devices;
- lighting;
- tires;
- operator foot environment;
- service and parking brake/parking mechanism performance; and
- pitch stability.

Additional requirements, which address maximum speed capability and speed limiting devices, are included for youth-sized ATVs.

# American National Standards Maintained Under Continuous Maintenance

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

Continuous maintenance is defined as follows:

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer.

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

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

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

To obtain additional information with regard to these standards, such as contact information at the ANSI accredited standards developer, please visit ANSI Online at [www.ansi.org](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 <http://public.ansi.org/ansionline/Documents/Standards%20Activities/American%20National%20Standards/Procedures,%20Guides,%20and%20Forms/>.

Alternatively, you may contact the Procedures & Standards Administration Department (PSA) at [psa@ansi.org](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 via ANSI's ESS "on-demand" service. Please e-mail your request for an Iso Draft to Customer Service at [sales@ansi.org](mailto:sales@ansi.org). The document will be posted to the ESS within 3 working days of the request. 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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## **MECHANICAL VIBRATION AND SHOCK (TC 108)**

ISO/DIS 15230, Mechanical vibration and shock - Coupling forces at the machine-man interface for hand-transmitted vibration - 12/22/2005, \$81.00

## **RUBBER AND RUBBER PRODUCTS (TC 45)**

ISO/DIS 8331, Rubber and plastics hoses and hose assemblies - Guidelines for selection, storage, use and maintenance - 12/22/2005, \$58.00

## **WELDING AND ALLIED PROCESSES (TC 44)**

ISO/DIS 18594, Resistance spot-, projection- and seam-welding - Method for determining the transition resistance on aluminium and steel material - 12/17/2005, \$53.00

# Newly Published ISO and IEC Standards



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

## ISO Standards

### APPLICATIONS OF STATISTICAL METHODS (TC 69)

[ISO 13528:2005](#), Statistical methods for use in proficiency testing by interlaboratory comparisons, \$132.00

### CERAMIC TILE (TC 189)

[ISO 13007-4:2005](#), Ceramic tiles - Grouts and adhesives - Part 4: Test methods for grouts, \$87.00

### DENTISTRY (TC 106)

[ISO 20126:2005](#), Dentistry - Manual toothbrushes - General requirements and test methods, \$39.00

### EARTH-MOVING MACHINERY (TC 127)

[ISO 3449:2005](#), Earth-moving machinery - Falling-object protective structures - Laboratory tests and performance requirements, \$62.00

### GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

[ISO 19114/Cor1:2005](#), Geographic information - Quality evaluation procedures - Corrigendum, FREE

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

[ISO 10426-2/Amd1:2005](#), Petroleum and natural gas industries - Cements and materials for well cementing - Part 2: Testing of well cements - Amendment 1: Water-wetting capability testing, \$53.00

### OTHER

[ISO/CIE 8995-1/Cor1:2005](#), Corrigendum, FREE

### ROAD VEHICLES (TC 22)

[ISO 17373:2005](#), Road vehicles - Sled test procedure for evaluating occupant head and neck interactions with seat/head restraint designs in low-speed rear-end impact, \$87.00

### RUBBER AND RUBBER PRODUCTS (TC 45)

[ISO 4650:2005](#), Rubber - Identification - Infrared spectrometric method, \$106.00

### SMALL CRAFT (TC 188)

[ISO 12402-1:2005](#), Personal flotation devices - Part 1: Lifejackets for seagoing ships - Safety requirements, \$62.00

### WELDING AND ALLIED PROCESSES (TC 44)

[ISO 15607/Cor1:2005](#), Specification and qualification of welding procedures for metallic materials - General rules - Corrigendum, FREE

[ISO 15609-1/Cor1:2005](#), Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 1: Arc welding - Corrigendum, FREE

[ISO 15614-1/Cor1:2005](#), Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys - Corrigendum, FREE

[ISO 15614-2/Cor1:2005](#), Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 2: Arc welding of aluminium and its alloys - Corrigendum, FREE

[ISO 22826:2005](#), Destructive tests on welds in metallic materials - Hardness testing of narrow joints welded by laser and electron beam (Vickers and Knoop hardness tests), \$67.00

## ISO Technical Specifications

### AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO/TS 16649-3:2005](#), Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli - Part 3: Most probable number technique using 5-bromo-4-chloro-3-indolyl-beta-D-glucuronide, \$45.00

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

[ISO/TS 15000-5:2005](#), Electronic Business Extensible Markup Language (ebXML) - Part 5: ebXML Core Components Technical Specification, Version 2.01(ebCCTS), \$164.00

### FIRE SAFETY (TC 92)

[ISO/TS 16732:2005](#), Fire Safety Engineering - Guidance on fire risk assessment, \$81.00

### TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO/TS 17261/Cor1:2005](#), Intelligent transport systems - Automatic vehicle and equipment identification - Intermodal goods transport architecture and terminology - Corrigendum, FREE

## IEC Standards

### LAMPS AND RELATED EQUIPMENT (TC 34)

[IEC 60923 Ed. 3.0 b:2005](#), Auxiliaries for lamps - Ballasts for discharge lamps (excluding tubular fluorescent lamps) - Performance requirements, \$89.00

### OTHER

[IEC/PAS 62437 Ed. 1.0 en:2005](#), Radio disturbance characteristics for the protection of receivers used on board vehicles, boats, and on devices - Limits and methods of measurement - Specifications for active antennas, \$43.00

### SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

[IEC 60335-2-51 Ed. 3.0 b:2005](#), Household and similar electrical appliances - Safety - Part 2-51: Particular requirements for stationary circulation pumps for heating and service water installations, \$40.00

### **SMALL POWER TRANSFORMERS AND REACTORS AND SPECIAL TRANSFORMERS AND REACTORS (TC 96)**

[IEC 61558-1 Ed. 2.0 b:2005](#), Safety of power transformers, power supplies, reactors and similar products - Part 1: General requirements and tests, \$220.00

### **SURFACE MOUNTING TECHNOLOGY (TC 91)**

[IEC 61249-4-2 Ed. 1.0 en:2005](#), Materials for printed boards and other interconnecting structures - Part 4-2: Sectional specification set for prepreg materials, unclad - Multifunctional epoxide woven E-glass prepreg of defined flammability, \$43.00

[IEC 61249-4-5 Ed. 1.0 en:2005](#), Materials for printed boards and other interconnecting structures - Part 4-5: Sectional specification set for prepreg materials, unclad - Polyimide, modified or unmodified, woven E-glass prepreg of defined flammability, \$43.00

[IEC 61249-4-12 Ed. 1.0 b:2005](#), Materials for printed boards and other interconnecting structures - Part 4-12: Sectional specification set for prepreg materials, unclad - Non-halogenated multifunctional epoxide woven E-glass prepreg of defined flammability, \$43.00

### **SWITCHGEAR AND CONTROLGEAR (TC 17)**

[IEC 60947-6-1 Ed. 2.0 b:2005](#), Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment, \$122.00

[IEC 62271-107 Ed. 1.0 b:2005](#), High-voltage switchgear and controlgear - Part 107: Alternating current fused circuit-switchers for rated voltages above 1 kV up to and including 52 kV, \$122.00

### **WIND TURBINE GENERATOR SYSTEMS (TC 88)**

[IEC 61400-1 Ed. 3.0 en:2005](#), Wind turbines - Part 1: Design requirements, \$187.00

## **IEC Technical Specifications**

### **POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)**

[IEC/TS 61970-401 Ed. 1.0 b:2005](#), Energy management system application program interface (EMS-API) - Part 401: Component interface specification (CIS) framework, \$60.00



# Proposed Foreign Government Regulations

## Call for Comment

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

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

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

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

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

# Information Concerning

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## Procedures and Standards Administration

### Initiation of Canvass Announcement and PINS Clarification

#### BIFMA International

BIFMA filed an updated PINS in the November 19, 2004 edition of ANSI Standards Action (Volume 35, #47) and indicated that a single standard, to be designated BSR/BIFMA X7.1-FES-200x, would be developed. However, as the project progressed, a decision was made to separate the work instead into two documents. Please note that the scope of work and stakeholders for this project have not changed.

BIFMA invites interested parties to contact them to participate in the ANSI Canvass Process and public review of the following documents:

1. BSR/BIFMA X7.1-2005: Standard for Formaldehyde and TVOC Emissions of Low-emitting Office Furniture Systems and Seating
2. BSR/BIFMA M7.1-2005: Standard Test Method for Determining VOC Emissions from Office Furniture Systems, Components, and Seating

To participate in the Canvass and public review, contact: Richard P. Driscoll, BIFMA International, 2680 Horizon Drive SE, Suite A1, Grand Rapids MI 49546; PHONE: (616) 285-3963; FAX: (616) 285-3765; E-mail: [rdriscol@bifma.org](mailto:rdriscol@bifma.org).

## ANSI Accredited Standards Developers

### Approval of Accreditation

#### Green Building Initiative (GBI)

ANSI's Executive Standards Council has approved the Green Building Initiative (GBI) as an ANSI Accredited Standards Developer (ASD), using its own operating procedures for documenting consensus on proposed American National Standards, effective September 21, 2005. For additional information, please contact: Mr. Stewart Fast, GBI Consultant, TerraChoice Environmental Marketing, 1280 Old Innes Road, Suite 801, Ottawa, Ontario K1B 5M7 Canada; PHONE: (613) 247-1900; FAX: (613) 247-2228; E-mail: [sfast@terrachoice.com](mailto:sfast@terrachoice.com).

### Reaccreditation

#### North American Electric Reliability Council (NERC)

#### Comment Deadline: October 24, 2005

The North American Electric Reliability Council (NERC) has submitted revisions to the operating procedures under which it was originally accredited. As the revisions appear substantive in nature, the reaccreditation process is initiated.

To obtain a copy of NERC's revised operating procedures, or to offer comments, please contact: Mr. Gerry Cauley, Director, Standards, North American Electric Reliability Council, Princeton Forrestal Village, 116-390 Village Boulevard, Princeton, NJ 08540-5731; PHONE: (609)452-8060; FAX: (609) 452-9550; E-mail: [Gerry.Cauley@nerc.net](mailto:Gerry.Cauley@nerc.net). Please submit your comments to NERC by October 24, 2005, with a copy to the Recording Secretary, ExSC in ANSI's New York Office (FAX: (212) 840-2298; E-mail: [Jthompso@ANSI.org](mailto:Jthompso@ANSI.org)). As the proposed procedures are available electronically, the public review period is 30 days. You may view or download a copy of NERC's revised operating procedures from ANSI Online during the public review period at the following URL: <http://public.ansi.org/ansionline/Documents/Standards%20Activities/Public%20Review%20and%20Comment/Accreditation%20Actions/>.

## Meeting Notices

### AMT – The Association For Manufacturing Technology

#### B11.1 Subcommittee – Mechanical Power Presses

The B11.1 Subcommittee, sponsored by the Secretariat (AMT), will hold their next meeting on Thursday and Friday November 17 and 18, 2005 in Chicago, Illinois. The B11 Committee is an ANSI-Accredited Standards Committee on machine tool safety, and the B11.1 Subcommittee deals with the safety requirements of mechanical power presses.

The purpose of this meeting is to continue revision work on the 2001 American National Standard. This meeting is open to anyone with an interest in machine tool safety, particularly as it relates to presses, and who wishes to participate in standards development. Please contact Rachel Melnykovich at AMT (703) 827-5266 or e-mail: [rmelnykovich@amtonline.org](mailto:rmelnykovich@amtonline.org) for details on meeting location and reservations information.

#### B11.18 Subcommittee – Coil Processing Systems & Coil Slitting Machines

The B11.18 Subcommittee, sponsored by the Secretariat (AMT), will hold their next meeting on Tuesday and Wednesday, October 11-12, 2005 at STI in Fremont, CA. The B11 Committee is an ANSI Accredited Standards Committee on machine tool safety, and the B11.18 Subcommittee deals with similar safety requirements involved with machines and systems used to slit or otherwise process metal coils, rolls, etc.

The purpose of this meeting is to continue draft revision work on an American National Standard. This meeting is open to anyone with an interest in safety and safe use of machine tools, and who wishes to participate in standards development. Please contact Rachel Melnykovich at AMT (703) 827-5266 or e-mail: [rmelnykovich@amtonline.org](mailto:rmelnykovich@amtonline.org) for details on meeting location and reservations information.

## **B11.TR6 Subcommittee – Control Reliability Circuits**

The B11.TR6 Subcommittee, sponsored by the Secretariat (AMT), will hold its next meeting on Tuesday and Wednesday, October 11-12, 2005 at Toyota Motor Manufacturers North America in Erlanger, KY (near Cincinnati). The B11 Committee is an ANSI-Accredited Standards Committee on machine tool safety, and the B11.TR6 Subcommittee deals with the overall engineering and safety aspects of control reliability.

The purpose of this meeting is to continue work on developing a new Technical Report to complement, and as an integral part in the B11 series of American National Standards on machine tool safety. This meeting is open to anyone with an interest in machine tool safety, particularly as it relates to control reliability, and who wishes to participate in standards development. Please contact Rachel Melnykovich at AMT (703) 827-5266 or e-mail: [rmelnykovich@amtonline.org](mailto:rmelnykovich@amtonline.org) for details on meeting location and reservations information.

## **ANSI/NIST Fingerprint Standard Update Workshop II**

The U.S. Department of Commerce, National Institute of Standards and Technology (NIST) and the Federal Bureau of Investigation (FBI) will be co-sponsoring the ANSI/NIST Fingerprint Standard Update Workshop II. It will be convened at NIST in Gaithersburg, MD on December 5 and December 6, 2005. The purpose of this workshop is to discuss the work accomplished and the recommendations proposed by the ad hoc working groups that were formed as a result of the first Workshop that was held in the spring 2005.

Decisions to include these recommendations and proposals in the update to the 2000 version of the "Data Format for the Interchange of Fingerprint, Facial, & Scar Mark & Tattoo (SMT) Information" (ANSI/NIST-ITL 1-2000) will be made during this workshop. These decisions will be made based on the voting results of participating organizations at the workshop.

The expected output of the workshop will be a mandate to develop a revision to the current standard that will incorporate modifications voted upon and accepted during the workshop. Additional workshop information and registration information is available online at: <http://fingerprint.nist.gov/standard> or by contacting Michael McCabe at [mccabe@nist.gov](mailto:mccabe@nist.gov).

## **ASC Z223/NFPA 54 Committee Meeting**

ASC Z223 / NFPA 54 Committee Meeting - November 8-9, 2005. The National Fuel Gas Code Committee, ASC Z223/NFPA 54, will convene at the Sheraton Hotels & Resorts in Omaha, Nebraska, on November 8-9, 2005. A preliminary meeting agenda and registration form is available on the American Gas Association website at [www.aga.org/nfgc](http://www.aga.org/nfgc). Please contact Paul Cabot with any questions or comments you may have at (202) 824-7312 or [pcabot@aga.org](mailto:pcabot@aga.org).

## **GPTC/Z380 Committee Meeting**

GPTC/Z380 Committee Meeting - November 14-17, 2005. The Gas Piping Technology Committee, ASC Z380, will convene at the Radisson Hotel & Suites in Chicago, Illinois, on November 14-17, 2005. A preliminary meeting agenda and registration form is available on the GPTC webpages hosted by the American Gas Association at [www.aga.org/gptc](http://www.aga.org/gptc). Please contact Paul Cabot with any questions or comments you may have at (202) 824-7312 or [pcabot@aga.org](mailto:pcabot@aga.org).

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

## **Foreword**

*The current version of ASHRAE/ANSI Standard 15 allows relief valves to discharge back into other parts of the system (see 9.4.3, 9.7.3, 9.7.8.1 and 9.8). The proposed change in this addendum is intended to continue allowing this as an option but clarifies the requirements to improve safety. First, the proposed change is intended to make clear that, under no circumstances, should an internal relief device be applied that would result in the vessel it is protecting exceeding its maximum allowable working pressure during an overpressure situation (see revised part "a" of 9.7.8.1). Second, the relief device protecting the portion of the system potentially receiving mass from a higher pressure part of the system must have sufficient capacity to accommodate the vessel it is connected to as well as the mass flow rate of the higher pressure upstream vessel (see revised part "b" of 9.7.8.1). Finally, it is essential that the relief device have suitable pressure design characteristics on both the upstream and downstream sides of the valve body (see new part "c" of 9.7.8.1).*

***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 b to 15-2004**

*Revise Section 9.7.8.1 as follows:*

**9.7.8.1** The application of pressure-relief valves that discharge from a higher pressure vessel into a lower pressure vessel of the system shall comply with (a) ~~and (b)~~ through (c) below:

~~(a) The sum of the set pressure of the pressure-relief valve discharging into a lower pressure vessel within the system and the set pressure of the system relief valve, required by 9.7.8.1(b), shall not exceed the design pressure of the system protected with a relief valve in accordance with 9.7.1.~~

(a) The pressure-relief valve that protects the higher pressure vessel shall be selected to deliver capacity in accordance with 9.7.5 without exceeding the maximum allowable working pressure of the higher pressure vessel accounting for the change in mass flow capacity due to the elevated backpressure.

(b) The capacity of the pressure-relief valve protecting the part of the system receiving a discharge from a pressure-relief valve protecting a higher pressure vessel shall be at

least the sum of the capacity required in 9.7.5 plus the mass flow capacity of the pressure-relief valve discharging into that part of the system.

- (c) The design pressure of the body of the relief valve used on the higher pressure vessel shall be rated for operation at the design pressure of the higher pressure vessel in both pressure containing areas of the valve.

**Exception:** Hydrostatic relief valves.

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

## **FOREWORD**

*This proposed addendum adds the requirement for refrigerant applications in electronic format in addition to the printed copies.*

**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.*

### **Proposed Addendum *d* to ANSI/ASHRAE Standard 34-2004**

**8.8.3 ~~Written Form~~Printed and Electronic Format.** Required information and evidence must be submitted in ~~written or~~ both printed and electronic form.

**8.8.4 Format.** Applications shall be provided on 8½-by-11-inch or A4 (21-by-29.7cm) paper. Reproductions may be either single- or double-sided (on one or both sides of the paper). Pages shall be bound using a cover that facilitates disassembly, insertion of supplementary pages, and reassembly, such as ~~notebook or covers with spring clips~~ three-ring binders or covers with three bend-over tabs. Tabbed dividers shall be inserted before each part identified in 8.2 except the cover.

**8.8.5 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. The electronic format shall be a readily accepted word processing file or true pdf files. Scanned pdf files with large memory requirements are discouraged. Committee members may request only the compact disk, thereby reducing the number of bound paper copies required.

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

## **FOREWORD**

*This proposed addendum adds a designation of R-424A to the blend R-125/134a/600a/600/601a (50.5/47.0/0.9/1.0/0.6) with tolerances of ( $\pm 1/ \pm 1/+0.1,-0.2/+0.1,-0.2/+0.1,-0.2$ ) and a safety classification of A1.*

**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.*

### **Proposed Addendum e to ANSI/ASHRAE Standard 34-2004**

Add to Table 2 the following entries for R-424A:

TABLE 2  
Data and Safety Classifications for Refrigerant Blends

Refrigerant Composition Number	Composition (Mass %) Group	Safety	Tolerances
<u>424A</u>	<u>R-125/134a/600a/600/601a (50.5/47.0/0.9/1.0/0.6)</u>		<u>(<math>\pm 1/ \pm 1/+0.1,-0.2/+0.1,-0.2/+0.1,-0.2</math>)</u>
	<u>A1</u>		



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## **FOREWORD**

*This proposed addendum adds a designation of R-425A to the blend R-32/134a/227ea (18.5/69.5/12.0) with tolerances of ( $\pm 0.5/\pm 0.5/\pm 0.5$ ) and a safety classification of A1.*

***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.***

### **Proposed Addendum *f* to ANSI/ASHRAE Standard 34-2004**

Add to Table 2 the following entries for R-425A:

TABLE 2  
Data and Safety Classifications for Refrigerant Blends

Refrigerant Number	Composition (Mass %)	Composition Tolerances	Safety Group
<u>425A</u>	<u>R-32/134a/227ea (18.5/69.5/12.0)</u>	<u>(<math>\pm 0.5/\pm 0.5/\pm 0.5</math>)</u>	<u>A1</u>

BSR/ASHRAE Addendum f to ANSI/ASHRAE Standard 62.2-2004, *Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*  
First Public Review Draft

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

## Foreword

*When Standard 62.2P was out for public review the new ASTM Standard E1554-2003 had not been completed. That has now changed. This new ASTM test method can separate supply and return duct leakage.*

*For garages it is important to minimize the amount of garage air that is pulled into the air distribution system. Thus the requirement now has the option to test for return leakage rather than total leakage. Also the limit was set to 50 cfm, because the contaminant transport depends on the leakage flow rate not on the percent of fan flow.*

*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 f to 62.2-2004

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*Revise Section 6.5 as shown:*

### 6.5 Garages

When an occupiable space adjoins a garage, the design must prevent migration of contaminants to the adjoining occupiable space. Doors between garages and occupiable spaces shall be gasketed or made substantially airtight with weather stripping. HVAC systems that include air handlers or return ducts located in garages shall have return or total air leakage of no more than 6% of total fan flow when measured at 0.1 in. w.e. (25 Pa), using California Title 24 (2001)<sup>6</sup> 50 cfm (25 l/s) using ASTM E1554-2003<sup>6</sup> or equivalent.

*Revise Section 8 reference 6 as shown:*

## 8. REFERENCES AND CLIMATE DATA

6. ~~California Energy Commission (2001). California Title 24 Standards, ACM Manual, Appendix F, Sections 4.3.8.2.1 and 4.3.7.2.~~ ASTM E1554-2003, Standard Test Methods for Determining External Air Leakage of Air Distribution Systems by Fan Pressurization. ASTM International, West Conshohocken, PA.

BSR/ASHRAE Addendum g to ANSI/ASHRAE Standard 62.2-2004, *Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*  
First Public Review Draft

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## **Foreword**

*Condensing clothes dryers have entered the market. This addendum recognizes that the exhaust from the dryers (a condensate) can be discharged into a drain rather than from an opening in the building envelope.*

*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 g to 62.2-2004**

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*Add the following exception to Section 6.3 as follows:*

### **6.3 Clothes Dryers**

Clothes dryers shall be exhausted directly to the outdoors.

**Exception to Section 6.3: Condensing dryers plumbed to a drain.**

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

## **Foreword**

*This proposed modification addresses the issue of task lighting in office type and other spaces. It is understood that task lighting is becoming more of an integral element in current lighting design and that its supplemental nature may make determining compliance difficult. It is also rational to realize that task lighting with automatic control will provide supplemental light while having a minimal impact on connected load. Therefore an option is provided for compliance that exempts the commonly used furniture mounted task lighting if it incorporates automatic shutoff.*

**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 m to 90.1-2004 (I-P and S-I edition)**

*Add exception (p) to section 9.2.2.3 list of exceptions as follows (other text included as reference):*

**9.2.2.3 Interior Lighting Power.** The *interior lighting power allowance* for a *building* or a separately metered or permitted portion of a *building* shall be determined by either the *Building Area Method* described in 9.5 or the *Space-by-Space Method* described in 9.6. Trade-offs of *interior lighting power allowance* among portions of the *building* for which a different method of calculation has been used are not permitted. The *installed interior lighting power* identified in accordance with 9.1.3 shall not exceed the *interior lighting power allowance* developed in accordance with 9.5 or 9.6.

**Exceptions to 9.2.2.3:** The following *lighting equipment* and applications shall not be considered when determining the *interior lighting power allowance* developed in accordance with 9.5 or 9.6, nor shall the wattage for such lighting be included in the *installed interior lighting power* identified in accordance with 9.1.3. However, any such lighting shall not be exempt unless it is an addition to general lighting and is controlled by an independent *control device*.

....

(p) Furniture mounted supplemental task lighting that is controlled by automatic shutoff and complies with 9.4.1.4 (d).

#### **9.4.1.4 Additional Control.**

.....

(d) *Task Lighting*—supplemental task lighting, including *permanently installed* undershelf or undercabinet lighting, shall have a *control device* integral to the *luminaires* or be controlled by a wall-mounted *control device* provided the *control device* is readily accessible and located so that the occupant can see the controlled lighting.

BSR/ASHRAE/IESNA Addendum p  
to ANSI/ASHRAE/IESNA Standard 90.1-2004

# Public Review Draft

## ASHRAE® Standard

### **Proposed Addendum p to Standard 90.1-2004, *Energy Standard for Buildings Except Low-Rise Residential Buildings***

**First Public Review (November 2005)  
(Draft Shows Proposed Changes to Current Standard)**

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

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

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

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

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

### **Foreword**

*This proposed modification addresses the often special lighting needs of certain groups of individuals other than just the "visually impaired" where spaces are designed specifically for their use. The standard industry light level and design recommendations on which the standard LPDs are based do not specifically include special categories and adjustments for persons with special lighting needs. Therefore, the existing exemption for "visually impaired" has been reworded to more clearly indicate where lighting exemptions may be granted for medical condition needs.*

***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 p to 90.1-2004 (I-P and S-I edition)**

*Modify exception (g) to section 9.2.2.3 list of exceptions as follows:*

(g) Lighting in spaces specifically designed for use by occupants with special lighting needs including the visually impaired ~~visual impairment and other medical and age related issues.~~

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## **Foreword**

*The following changes are an update for ARI Standard 340/360 from 2000 to 2004. The changes in ARI 340/360 include an update in the test method of equipment between 65,000-135,000 Btu.*

***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 r to 90.1-2004 (I-P and S-I edition)**

*Revise Section 12 as follow (IP and SI units):*

### **12. NORMATIVE REFERENCES**

<b>Reference</b>	<b>Title</b>
<b>Air-Conditioning and Refrigeration Institute, 4100 North Fairfax Drive, Suite 200, Arlington, VA 22203</b>	
<b>ARI 340/360-<del>2000</del> <u>2004</u></b>	<b>Commercial and Industrial Unitary Air- Conditioning and Heat Pump Equipment</b>



BSR/ASHRAE/IESNA Addendum x  
to ANSI/ASHRAE/IESNA Standard 90.1-2004

# Public Review Draft

## ASHRAE® Standard

### **Proposed Addendum x to Standard 90.1-2004, *Energy Standard for Buildings Except Low-Rise Residential Buildings***

**First Public Review (November 2005)  
(Draft Shows Proposed Changes to Current Standard)**

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

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

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

### **Foreword**

*After a review of Chapter 12, Normative References it is proposed to update ASTM C1549 to the most current year.*

*It is also proposed to update portions of Appendix G with the changes made to the body of Section 5.*

*ASTM C1549 was added as a reference to 90.1-2004 in Addendum AD.*

**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 x to 90.1-2004 (I-P and S-I edition)**

*Revise Section 12 as follows:*

### **Section 12 Normative References**

**American Society for Testing and Materials**, 100 Barr Harbor Dr., West  
Conshohocken, PA 19428-2959

ASTM C1549-0204, Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Solar Reflectometer.

*Revise Table G3.1, 5 Building Envelope, exception c as follows*

### **5. Building Envelope**

(c) For exterior roofs, the roof surface may be modeled with a reflectance of 0.45 if the reflectance of the *proposed design* roof is greater than 0.70 and its emittance is greater than 0.75. Reflectance values shall be based on testing in accordance with ASTM C1549, ASTM E903, ~~ASTM E1175~~, or ASTM E1918, and the emittance values shall be based on testing in accordance with ~~ASTM C835~~, ASTM C1371, or ASTM E408. All other roof surfaces shall be modeled with a reflectance of 0.30.

BSR/ASHRAE/IESNA Addendum u  
to ANSI/ASHRAE/IESNA Standard 90.1-2004

# Public Review Draft

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### **Foreword**

*This addendum provides guidance for complying with the intent of the baseline building design for HVAC systems 5, 6, 7, and 8 which shall be modeled as floor-by-floor HVAC 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 u to 90.1-2004 (I-P and S-I edition)**

*Add the following text to Appendix G, section number 3.1.1 (Baseline HVAC System Type and Description)*

#### **G3.1.1 Baseline HVAC System Type and Description**

HVAC systems in the *baseline building design* shall be based on usage, number of floors, conditioned floor area, and heating source as specified in Table G3.1.1A and shall conform with the system descriptions in Table G3.1.1B. For systems 1, 2, 3, and 4, each thermal block shall be modeled with its own HVAC system. For systems 5, 6, 7, and 8, each floor shall be modeled with a separate HVAC system. Floors with identical thermal blocks can be grouped for modeling purposes.

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## **Foreword**

*The current language in the 2004 edition of Standard 90.2 has the potential for causing confusion when Section 8.7.1, which provides a choice of assessing duct location in the Annual Energy Cost Budget Method, is compared to Chapters 5 and 6 of the Standard. The prescriptive provisions in these Chapters do not cite such a distinction. This addendum is designed to address this difference with more concise text that coordinates the provisions.*

## **Addendum a to 90.2-2004 (I-P edition)**

### **8. ANNUAL ENERGY COST METHOD**

(Delete and substitute as shown)

~~8.7.1 Ducts. Ducts in the prescriptive design, if any, shall be assumed to be completely in unconditioned space spaces. Single-family prescriptive designs shall comply with the provisions for ducts outside the conditioned space for each prescriptive envelope requirement.~~

**8.7.1 Ducts.** Ducts located in the prescriptive design shall be in the same location as the proposed design.

**Exceptions to 8.7.1:** The distribution factor in the prescriptive design shall be assumed to be 0.85 for both heating and cooling when:

- (a) the ducts are installed in conditioned attic spaces, or
- (b) the ducts are installed in conditioned crawlspaces, or
- (c) the building official determines that the building design has been specifically altered to move the distribution system inside the conditioned space.

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## **Foreword**

*This addendum provides a clearer and more concise definition of conditioned space than what is currently in place in 90.2-2004 by the following changes:*

- *Changes the definition by removing the undefined terms “heated space” and “cooled space”.*
- *Removes the term “indirectly conditioned space” since it is not used in the Standard.*
- *Adds language referring to the intent that these spaces are provided with “mechanical heating/cooling” to condition the space.*

## **Addendum c to 90.2-2004 (I-P edition)**

### **3. DEFINITIONS, ABBREVIATIONS, ACRONYMS, AND SYMBOLS**

*(Change to read as shown)*

**conditioned space:** ~~cooled space, heated space, or indirectly conditioned space.~~ An enclosed space within a building that is provided with mechanical heating and/or cooling energy.

## **BSR/NSF 170-200x (i4r1)**

### **2 Normative references**

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

*FDA Food Code 2001. Recommendations of the United States Public Health Service Food and Drug Administration.*

Code of Federal Regulations, Title 21, (21 CFR) Part 131, *Food and Drugs*

IEEE/ASTM SI 10 – ~~1997~~ 2002, *Standard for the Use of the International System of Units (SI): The Modern Metric System*

NEMA LD 3 – 2000 *High-Pressure Decorative Laminates*

NSF/ANSI 2 – ~~1996~~ 2005. *Food equipment*

NSF/ANSI 3 – ~~2004~~ 2003. *Commercial warewashing equipment*

NSF/ANSI 6 – ~~1996~~ 2002. *Dispensing freezers*

NSF/ANSI 7 – 2001 *Commercial refrigerators and freezers*

NSF/ANSI 35 – ~~1999~~ 2005. *High pressure decorative laminates (HPDL) for surfacing food service equipment*

NSF/ANSI 52 – ~~1992~~ 2005. *Supplemental flooring*