

Contents

American National Standards

Call for Comment on Standards Proposals	2
Call for Comment Contact Information	12
Project Initiation Notification System (PINS)	14
Proposed Foreign Government Regulations	16
Information Concerning	17

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.**
3. **Include remittance with all orders.**
4. **BSR proposals will not be available after the deadline of call for comment.**

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

★ Standard for consumer products

Comment Deadline: October 14, 2007

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

Addenda

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

Deletes the requirements to simultaneously observe the mechanical equipment operating conditions described in Section 7.5 when conducting evaluations of thermal environments according to Section 7 of the standard.

[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.comment@ashrae.org

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

Implements interpretation IC 62.2-2004-3. The proposed language clarifies the section and makes it easier for users to apply an ANSI consensus standard method to meet the requirements of Section 6.5. No change is made to the actual requirements, which exist to limit the transport of contaminants from garages to occupiable spaces.

[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.comment@ashrae.org

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

Proposes a change to Section 9.8 of Standard 15-2007, which requires pressure relief protection for all positive displacement compressors equipped with a stop valve in the discharge line, regardless of size. The proposed change will bring Standard 15 into alignment with UL 984 (Hermetic Refrigerant-Motor Compressors) and except small compressors due to their self-limiting nature in building excessive discharge pressure if started while isolated. Also, the first sentence of Section 9.8 was revised to clarify its meaning.

[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.comment@ashrae.org

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

Imposes a uniform limit on maximum humidity ratio for the comfort zone when using the Graphical Method described in Section 5.2.1.1 of the standard. Note that this restriction does not apply to the Computer Model Method (PMV-PPD) in Section 5.2.1.2, which allows designers access to certain conditions above 0.012 humidity ratio, or to the Adaptive Model, which does not require any humidity limits.

[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.comment@ashrae.org

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

Attached garages contain many potential sources of contaminants ranging from the storage of chemicals to the operation of automobiles. Standard 62.2 has long recognized that preventing the transport of these contaminants into residences is important but has had limited detail on how to prevent such transport. This proposed addendum modifies Section 6.5 to add requirements on separating the garage from adjoining occupiable space such as sealing potential areas of air leakage at joints and penetrations.

[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.comment@ashrae.org

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

Adds three definitions to Standard 15-2007 so that the standard can better support the safety of cascade refrigeration systems. There has been a trend toward increased use of cascade systems in refrigeration applications. Cascade systems are being used in supermarkets, refrigerated warehouses, and industrial plants. The definitions provide a foundation for additional revisions to the standard.

[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.comment@ashrae.org

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

Revises Standard 15-2007 to provide appropriate guidance for the protection of positive displacement compressors when used in cascade refrigeration system configurations. There has been a trend toward increased use of cascade systems in refrigeration applications. Cascade systems are being used in supermarkets, refrigerated warehouses, and industrial plants.

[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.comment@ashrae.org

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

Addresses an issue raised by interpretation, IC 62.1-2004-03, clarifying the meaning of "pool deck area" and associated outdoor airflow rate requirements.

[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.comment@ashrae.org

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

Adds a designation of R-434A to the blend R125/143a/134a/600a (63.2/18.0/16.0/2.8) with tolerances of $(\pm 1.0/\pm 1.0/\pm 0.1, -0.2)$, a safety classification of A1 and a RCL of 73,000 ppm, 320320 g/m³, 20 lb/Mcf and a code classification of neither highly toxic or toxic. It also updates Table D2 with the molecular mass, bubble point, and dew point data as provided in the application.

[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.comment@ashrae.org

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

Adds data for R-601 to Table 1, adds R-601 to Table D1, and to Table E1 with underlying toxicity and flammability data as provided in the application, with the following exceptions: (1) LFL = 1.2 vol% and (2) the rat LC50 for isopentane shall be applied to n-pentane.

[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.comment@ashrae.org

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

Adds to section 9.6.1 the following missing information to complete refrigerant applications:

- (g) anesthetic and Central Nervous System Effects;
- (h) other Escape-Impairing Effects and Permanent Injury.

[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.comment@ashrae.org

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

Revises clauses B2.4.1, B2.4.2, and B2.5 to clarify the requirements for fractionation analysis when applying for designation and safety classification of a refrigerant.

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

Send comments (with copy to BSR) to:
public.review.comment@ashrae.org

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

The new exception (exception (b) largely addresses the apparent conflict between Standards 55, 62.1 and 90.1 and also takes advantage of the energy savings potential of DDC controls.

[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.comment@ashrae.org

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

Updates the mechanical test procedures and references in ASHRAE/IESNA Standard 90.1-2007. The proposed changes modify a reference in Table 6.8.1E, the normative references in Chapter 12 and informative references in Informative Appendix E.

[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.comment@ashrae.org

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

This proposal extends variable air volume fan requirements for large single zone units.

[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.comment@ashrae.org

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

This addendum modifies the vestibule requirements for Climate Zone 4.

[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.comment@ashrae.org

ASME (American Society of Mechanical Engineers)

Revisions

BSR/ASME B16.20-200x, Metallic Gaskets for Pipe Flanges (revision of ANSI/ASME B16.20-1998 (R2004))

Covers materials, dimensions, tolerances, and markings for metal ring-joint gaskets, spiral-wound metal gaskets, and metal-jacketed gaskets and filler material. These gaskets are dimensionally suitable for use with flanges described in the reference flange standards, ASME B16.5, ASME B16.47, and API 6A. This standard covers spiral-wound metal gaskets and metal-jacketed gaskets for use with raised-face and flat-face flanges.

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

Send comments (with copy to BSR) to: Teodor Lazar, ASME;
lazart@asme.org

Comment Deadline: October 29, 2007

AHAM (Association of Home Appliance Manufacturers)

Revisions

BSR/AHAM CM-1-200x, Method for Measuring Performance of Household Coffee Makers (revision of ANSI/AHAM CM-1-2005)

Establishes a uniform, repeatable procedure or standard method for measuring specified product characteristics of household electric coffee makers. The standard methods provide a means to compare and evaluate different brands and models of household electric coffee makers regarding characteristics significant to product use. The standard methods (including the recommended levels of performance, where they appear) are not intended to inhibit improvement and innovation in product testing, design or performance.

Single copy price: Free

Order from: Jennifer Moyer, AHAM; jmoyer@aham.org

Send comments (with copy to BSR) to: Same

Reaffirmations

BSR/AHAM CHA-1-2003 (R200x), Connected Home Appliances - Object Modeling (reaffirmation of ANSI/AHAM CHA-1-2003)

Promotes new appliance services and features enabled through networking by describing generic appliance models, objects, and high-level messages. The models define standardized elements of appliances that are accessible and controllable remotely by users, service providers, and other devices, independent of the underlying network. This document assumes that each appliance and device contains a communications interface module linked to a home systems network.

Single copy price: Free

Order from: Jennifer Moyer, AHAM; jmoyer@aham.org

Send comments (with copy to BSR) to: Same

ASABE (American Society of Agricultural and Biological Engineers)

New Standards

BSR/ASABE S588-200x, Uniform Terminology for Air Quality (new standard)

Establishes uniformity in terms used within the field of outdoor rural air quality. This Standard is also to serve as a focal point for the development of new useful terms associated with air quality in rural areas.

Single copy price: \$45.00

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder, ASABE; vangilder@asabe.org

Send comments (with copy to BSR) to: Same

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

New Standards

BSR/ASHRAE Standard 111-200x, Measurement, Testing, Adjusting and Balancing of Building HVAC Systems (new standard)

This second public review draft is a proposed revision of Standard 111-1988, which provides uniform procedures for measuring, testing, adjusting, balancing, and evaluating and reporting the performance of HVAC systems in the field. It applies to both the air-moving and hydronic types of building HVAC systems and their associated heat transfer, distribution, refrigeration, electrical-power and control subsystems. It is intended for use by building engineers, operators, users, manufacturers, and installers.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

BSR/ASHRAE Standard 145.1P-200x, Laboratory Test Method for Assessing the Performance of Gas-Phase Air Cleaning Systems: Loose Granular Media (new standard)

Provides a laboratory test method for assessing the performance of loose granular media used in gas-phase air cleaning systems. The results can provide useful information for the design and selection of air cleaning systems for controlling indoor concentrations of gaseous air contaminants. Two additional proposed standards will address testing the equipment itself, one for laboratory testing and one for field testing.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

BSR/ASHRAE/ACCA Standard 180P-200x, Standard Practice for Inspection and Maintenance of Commercial Building HVAC Systems (new standard)

This third public review of proposed Standard 180 makes independent substantive changes to the previous public review draft in response to comments received. Standard 180 is a collaborative effort between ASHRAE and ACCA, Air Conditioning Contractors of America. It establishes minimum HVAC inspection and maintenance requirements that preserve a system's ability to achieve acceptable thermal comfort, energy efficiency, and indoor air quality in commercial buildings.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

Revisions

BSR/ASHRAE Standard 17-200x, Method of Testing Capacity of Thermostatic Refrigerant Expansion Valves (revision of ANSI/ASHRAE 17-1998 (R2003))

Prescribes a method of testing the capacity of thermostatic refrigerant expansion valves for use in vapor-compression refrigeration systems.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

BSR/ASHRAE Standard 41.10-200x, Standard Methods for Volatile-Refrigerant Mass Flow Measurements Using Flowmeters (revision of ANSI/ASHRAE 41.10-2003)

This is a proposed revision of Standard 41.10-2003, which is designed to help users select a suitable flowmeter for measuring volatile-refrigerant mass flow rates and perform the test measurement. The standard addresses the wide variety of operating principles, measurement precision, and costs of commercial products. This proposed revision of the standard incorporates updated references and some minor text edits to improve readability and revises Appendix B so that the flow rates are in appropriate SI Units.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

BSR/ASHRAE Standard 116-200x, Methods of Testing for Rating Seasonal Efficiency of Unitary Air Conditioners and Heat Pumps (revision of ANSI/ASHRAE Standard 116-1995 (R2005))

Improves the standard's alignment with related ASHRAE and ARI standards, especially ASHRAE Standard 37. Sections 6.6 through 6.13 from Standard 116-1995 (RA 2005) have been deleted and replaced by sections that refer the user to corresponding sections in Standard 37-2005. In addition, the proposed revision incorporates mandatory language throughout, adds the ASHRAE map of climate zones for US locations, updates references, and makes various editorial improvements.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

BSR/ASHRAE/SMACNA Standard 126-200x, Method of Testing HVAC Air Ducts and Fittings (revision of ANSI/ASHRAE/SMACNA 126-2000)

Standard 126 was created by ASHRAE and SMACNA to provide methods of testing to determine the strength and durability characteristics of HVAC duct and fittings under various loading and environmental conditions. This proposed revision of the standard clarifies that its scope includes ductwork fittings, modifies the support points in Figures 2 and 3 as recommended by testing labs, clarifies that the standard's leakage test is not intended to determine duct-system leakage class as defined in the ASHRAE Handbook, and updates all references.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

Withdrawals

ANSI/ASHRAE 109-1986 (R2003), Methods of Testing to Determine the Thermal Performance of Flat-Plate Solar Collectors Containing a Boiling Liquid (withdrawal of ANSI/ASHRAE 109-1986 (R2003))

Provides a uniform method for evaluating the thermal performance of flat-plate solar collectors that use the latent heat of a liquid-vapor phase change to remove energy from the collector.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

Addenda

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

This proposed Independent Substantive Change (ISC) clarifies air recirculation exceptions related to energy recovery systems and allows Class 2 air to be transferred to toilet rooms.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 90.2-2007, Energy-Efficient Design of Low-Rise Residential Buildings (addenda to ANSI/ASHRAE 90.2-2007)

Deletes Ventilation requirements in Section 6.6.1, equation 6-1, and Table 6.6.1 without substitution. This addendum also deletes two reference standards that are directly related to the deletion of Section 6.6.1 and the related equation and table.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

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

Standard 62.2 currently recognizes the possibility of achieving equivalent IAQ through either continuous ventilation or increased ventilation provided intermittently. This addendum replaces current requirements for calculating equivalent delivered ventilation for an intermittently operating system with more accurate factors. The impact is to require smaller intermittent rates for some operation schedules. One advantage is to allow potentially energy saving strategies that would result in equivalent IAQ.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

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

Allows users to choose between three classes of comfort conditions when using the Computer Model Method for general indoor application in Section 5.2.1.2. This change brings the ASHRAE standard into closer alignment with ISO 7730, the standard upon which the Predicted-Mean-Vote/Predicted-Percent-Dissatisfied Method in Section 5.2.1.2 is based. The proposed Predicted Percent Dissatisfied due to general discomfort is 6% for Class A, 10% for Class B (as in the current standard), and 15% for Class C.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

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

In response to public review comments, performance-based requirements have been added for each contaminant (PM10, PM2.5 and Ozone) so that designers in jurisdictions outside of the US can more readily determine when air cleaning is required. Also, references to EPA sources for designers within the US have been clarified and detailed to increase the likelihood that all designers in a given location will use the same monitored data to make decisions related to outdoor air cleaning.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

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

Brings the references to industry standards and documents within the body of Standard 62.1-2007 up to date, particularly in Section 9.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

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

Establishes more realistic design pressures for systems using R744 (carbon dioxide) as a refrigerant. Carbon dioxide is often used or considered for use in the low-temperature side of cascade systems, but because of its pressure-temperature relationship, it would be cost prohibitive and unnecessary to meet all the design pressure requirements of Section 9.2 since the required standby pressures for R744 are much higher than those experienced during normal operation.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

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

This proposed addendum has been developed in response to a change proposal; additional information for demand controlled ventilation (DCV) systems has been developed to augment Section 6.2.7, Dynamic Reset.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to: public.review.comment@ashrae.org

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

Table 4-1 has become out-of-date due to changes in the U.S. ambient air quality regulations. This proposed addendum relocates Table 4-1 to a new informative appendix and makes appropriate wording changes in Section 4.1. In this way, changes to the NAAQS can be made quickly, without need for public review and processing.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to: public.review.comment@ashrae.org

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

In response to comments received on the 2nd public review, this proposed addendum modifies the language in 6.2.9. It replaces mandatory language requiring that outdoor air rates for ETS areas be determined using engineered methods with language implying that increased outdoor air rates only address odor and comfort for ETS areas, but not health. It also expands and clarifies the note to inform designers that increased outdoor airflow has not been shown to reduce health effects associated with ETS.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to: public.review.comment@ashrae.org

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

Adds support for one Character Encoding Form at a time. The rationale for this addendum is that "support" for character sets has not been well defined but is needed for interoperability. In addition, this addendum updates the standard to reflect the fact that the Japanese Industrial Standards Committee has changed the name of "JIS C 6226" to "JIS X 0208".

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to: public.review.comment@ashrae.org

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

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

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to: public.review.comment@ashrae.org

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

Included among the twelve changes proposed by this addendum are the following:

- Resolves Foreign Device registration grace period and remaining time ambiguities;
- Improves Clause 5 FillWindow segment timeout constraints;
- Clarifies the Priority Filter parameter in the GetEventEnrollment service request;
- Allows alarms to be re-acknowledged successfully;
- Adds requirements to Alarm and Event BIBBs;
- Removes B-BC requirements for BIBBs without use cases;
- Clarifies that a device may support only the ReinitializeDevice restart choices;
- Clarifies DeviceCommunicationsControl and ReinitializeDevice interactions; and
- Defines "object".

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to: public.review.comment@ashrae.org

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

Adds support for long Backup and Restore preparation times. In larger devices, preparations to perform Clause 19.1 Backup and Restore operations can take a considerable amount of time, much greater than (say) typical APDU_Timeout values. A mechanism for supporting such devices is proposed.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to: public.review.comment@ashrae.org

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

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

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to: public.review.comment@ashrae.org

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

Modifies the requirements in both the lighting and envelope sections of 90.1 to provide appropriate provisions to better allow daylighting.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

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

Expands the types of roofs shown by research to reduce the conduction loads through roofs into the conditioned space.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

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

This proposed addendum updates the building envelope criteria for metal buildings.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

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

This proposal will apply a 4-zone lighting power density approach to exterior lighting requirements.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

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

Revises Tables 6.8.1E and Table 7.8 in ANSI/ASHRAE/IESNA 90.1-2007, identifying the specific sections of the referenced standards. Table 7.8 is also being updated to reflect the current Federal efficiency levels for residential water heaters. Additionally, a requirement in Table 7.8 for Electric Table Top Water Heaters has been added.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

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

Adds minimum efficiency and certification requirements for both axial and centrifugal fan closed circuit cooling towers (also known as fluid coolers) into Table 6.8.1G. In addition, reference to ATC-105S, the Cooling Technology Institute (CTI) test standard for closed circuit cooling towers, has been added to Section 12, Normative References.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

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

This proposal establishes an additional path of compliance for water-cooled chillers, effective January 1, 2010.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

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

This addendum adds requirements for Low-Voltage Dry-Type

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

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

Provides the necessary pressure credits for laboratory exhaust systems that allow prescriptive compliance of systems serving fume hoods.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

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

Changes Informative Appendix G (Performance Rating Method) into a Normative Appendix. Additionally, some language has been modified to make the Appendix enforceable.

Single copy price: Free

Obtain an electronic copy from:

<http://www.ashrae.org/technology/page/331>

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:

public.review.comment@ashrae.org

DMSC, Inc. (Dimensional Metrology Standards Consortium, Inc.)

Revisions

BSR/DMIS 105.1 2007, Part 1-200x, Dimensional Measuring Interface Standard (revision and redesignation of ANSI/CAM-I 105.0, Part 1)

Provides for the bi-directional communication of inspection data between computer systems and inspection equipment. DMIS provides the vocabulary to pass inspection programs to measuring equipment and to pass measurement and process data back to an analysis, collection, or archiving system. DMIS defines a neutral format for data exchange, and is designed to be man readable and man writable.

Single copy price: \$125.00 (for Public Review Only)

Obtain an electronic copy from: bsquier@dmsstandard.org

Send comments (with copy to BSR) to: Bailey Squier, DMSC, Inc.; bsquier@dmsstandard.org

IEST (Institute of Environmental Sciences and Technology)

New National Adoptions

BSR/IEST 14644-6-200x, Cleanrooms and associated controlled environments - Part 6: Vocabulary (identical national adoption and revision of ISO 14644-6)

Establishes a vocabulary of terms and definitions related to cleanrooms and associated controlled environments. This part of ISO 14644 is a compendium of the terms and definitions given in the other parts of ISO 14644. It also includes the terms and definitions given in ISO 14698-1 and ISO 14698-2.

Single copy price: \$107.00

Obtain an electronic copy from: Linda Gadjia, IEST; journal@iest.org

Order from: Linda Gadjia, IEST; journal@iest.org

Send comments (with copy to BSR) to: Same

TIA (Telecommunications Industry Association)

Reaffirmations

BSR/TIA 455-1B-1998 (R200x), Cable Flexing for Fiber Optic Interconnecting Devices (reaffirmation of ANSI/TIA 455-1B-1998)

Describes a test method intended to determine the ability of fiber optic interconnecting devices, device interfaces, and strain reliefs to withstand bending and flexing stresses resulting from loads as might be experienced during installation and service conditions.

Single copy price: \$52.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-2C-1998 (R200x), Impact Test Measurements for Fiber Optic Devices (reaffirmation of ANSI/TIA 455-2C-1998)

Describes a test method intended to determine the ability of fiber optic interconnecting devices to withstand impacts of the type that may be encountered in normal service.

Single copy price: \$54.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-8-2000 (R200x), Measurement of Splice or Connector Loss and Reflectance Using an OTDR (reaffirmation of ANSI/TIA 455-8-2000)

Describes the use of optical time-domain reflectometer (OTDR) to measure attenuation and reflectance of a splice or connector indirectly.

Single copy price: \$24.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-16A-2000 (R200x), Salt Spray (Corrosion) Test for Fiber Optic Components (reaffirmation of ANSI/TIA 455-16A-2000)

Describes a test method intended to determine the effects of a controlled salt-laden atmosphere on fiber optic interconnecting devices, finishes, and mechanisms.

Single copy price: \$54.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-32A-1990 (R200x), Fiber Optic Circuit Discontinuities (reaffirmation of ANSI/TIA 455-32A-1990 (R1999))

Describes a method of testing a broad variety of passive and active fiber optic components or subsystems for susceptibility to discontinuities (transient output of transmittance fluctuations) during the application of an external stimulus such as vibration or physical shock.

Single copy price: \$74.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-35A-1990 (R200x), Fiber Optic Component Dust (Fine Sand) (reaffirmation of ANSI/TIA 455-35A-1990 (R1999))

Describes a test method intended to ascertain the ability of fiber optic components to resist the effects of dry-dust (fine sand) laden atmosphere. This test simulates the effect of sharp-edged dust particles, up to 150-um size, which may penetrate into cracks, crevices and joints.

Single copy price: \$44.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-42A-1989 (R200x), Optical Crosstalk in Fiber Optic Components (reaffirmation of ANSI/TIA 455-42A-1989 (R2001))

Describes a procedure to determine the crosstalk ratios between two optical paths in a cable, Connectorized cable, splice or similar device. In addition, the devices contribution to the crosstalk in a system may be determined. The effectiveness of the material surrounding the optical conducting device in restricting light paths to the other elements may also be measured.

Single copy price: \$47.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-71-A-1999 (R200x), Procedure to Measure Temperature-Shock Effects on Fiber Optic Components (reaffirmation of ANSI/TIA 455-71-A-1999)

Describes a procedure to define the exposure conditions for testing resistance of fiber optic components to temperature shock. It also outlines the general approach used for measuring and evaluating the ability of a fiber optic component to withstand sudden changes of ambient temperature that could arise during shipment, storage, or use.

Single copy price: \$57.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-107A-1999 (R200x), Determination of Component Reflectance or Link/System Return Loss Using a Loss Test Set (reaffirmation of ANSI/TIA 455-107A-1999)

Describes a procedure to determine the ratio in decibels of the power reflected by the port of a component or assembly to incident power on the same port of that component or assembly when that component or assembly is introduced into a link or system. This procedure also provides a reflectance measurement for discrete components.

Single copy price: \$70.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-157-1994 (R200x), Measurement of Polarization Dependent Loss (PDL) of Single-Mode Fiber Optic Components (reaffirmation of ANSI/TIA 455-157-1994 (R2000))

Describes a procedure that can be applied to any single mode passive component to determine its sensitivity to changes in polarization.

Single copy price: \$57.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-158-1997 (R200x), Measurement of Breakaway Frictional Force in Fiber Optic Connector Alignment Sleeves (reaffirmation of ANSI/TIA 455-158-1997 (R2001))

Describes a test method to measure the breakaway frictional force between the ferrule and sleeve in fiber optic connectors.

Single copy price: \$54.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-171-A-2001 (R200x), Attenuation by Substitution Measurement for Short-Length Multimode Graded-Index and Single-Mode Optical Fiber Cable Assemblies (reaffirmation of ANSI/TIA 455-171-A-2001)

Describes a test methods and procedures for measuring the attenuation by substitution of short length multimode graded index and single mode optical fiber cable assemblies.

Single copy price: \$85.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-172-1986 (R200x), Flame Resistance of Firewall Connector (reaffirmation of ANSI/TIA 455-172-1986 (R1999))

Describes a procedure to determine the ability of a cabled and mated connector to resist firewall environments, such as flame or ignition of gases.

Single copy price: \$50.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-180-A-1999 (R200x), Measurement of the Optical Transfer Coefficients of a Passive Branching Device (Coupler) (reaffirmation of ANSI/TIA 455-180-A-1999)

Describes a test method to measure the pertinent coefficients of the logarithmic transfer matrix of a branching device in order to determine the ability of the device to carry out its design function.

Single copy price: \$70.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-184-1991 (R200x), Coupling Proof Overload Test for Fiber Optic Interconnecting Devices (reaffirmation of ANSI/TIA 455-184-1991 (R1999))

Describes a procedure to apply an overload torque to twist type coupling mechanisms. The procedure is applicable to threaded or bayonet twist type coupling mechanisms.

Single copy price: \$44.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-185-1991 (R200x), Strength of Coupling Mechanism for Fiber Optic Interconnecting Devices (reaffirmation of ANSI/TIA 455-185-1991 (R1999))

Describes a procedure to assure that the coupling mechanism of a connector-device combination will withstand the axial loads likely to be applied during normal service.

Single copy price: \$47.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-186-1991 (R200x), Gauge Retention Force Measurement for Fiber Optic Components (reaffirmation of ANSI/TIA 455-186-1991 (R1999))

Describes a procedure used to measure the retention characteristics of a resilient member of a fiber optic component (most commonly a connector). It is specifically intended for use when it is impracticable to define acceptance/rejection criteria for resilient members by the use of size limitations.

Single copy price: \$48.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-187-1991 (R200x), Engagement and Separation Force Measurement of Fiber Optic Connector Sets (reaffirmation of ANSI/TIA 455-187-1991 (R1999))

Describes a test method to measure the forces or torques that are required to fully couple or uncouple a connector set.

Single copy price: \$48.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-188-1991 (R200x), Low Temperature Testing of Fiber Optic Components (reaffirmation of ANSI/TIA 455-188-1991 (R2001))

Describes a procedure intended for exposing a specimen to the environmental condition of extended low temperature (cold). It is not intended for exposing a specimen to the environmental condition of high temperature variation.

Single copy price: \$50.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-194-1999 (R200x), Measurement of Fiber Pushback in Optical Connectors (reaffirmation of ANSI/TIA 455-194-1999)

Describes a test to measure fiber pushback, defined as permanent or semi-permanent fiber motion under load. It does not include temporary fiber movement relative to the ferrule due to temperature variations, or permanent fiber withdraw that occurs when no load is present.

Single copy price: \$57.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-196-1999 (R200x), Guideline for Polarization-Mode Measurement in Single-Mode Fiber Optic Components and Devices (reaffirmation of ANSI/TIA 455-196-1999)

Discusses the application of the pre-existing fiber test procedures for PMD measurement in fiber to the special case of fiber components. Special precautions are required to avoid several potential problems, and these problems and precautions are described for each of the applicable procedures. This document does not describe the test procedures in detail, merely the variations required for component measurements.

Single copy price: \$64.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-197-2000 (R200x), Differential Group Delay Measurement of Single-Mode Components and Devices by the Differential Phase Shift Method (reaffirmation of ANSI/TIA 455-197-2000)

Describes a procedure for the measurement of polarization-sensitive Differential Group Delay (DGD) of one or two port single mode fiber components over the 1.0- to 1.7-micrometer wavelength range. In this procedure, a modulated light source at a given wavelength is coupled into the component under test, and the phase of the modulated signal exiting the fiber at a first polarization state is compared with the phase at the second, orthogonal polarization state. For the purposes of this document, the component is considered to be measured at a single wavelength, and therefore the result reported is strictly the DGD.

Single copy price: \$72.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-200-2001 (R200x), Insertion Loss of Connectorized Polarization-Maintaining Fiber or Polarizing Fiber Pigtailed Devices and Cable Assemblies (reaffirmation of ANSI/TIA 455-200-2001)

Describes a procedure for the measurement of the insertion loss of a fiber optic interconnection on single mode, highly birefringent optical fiber, i.e., either polarization-maintaining fiber (PMF) or polarizing fiber (PZF).

Single copy price: \$68.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

BSR/TIA 455-201-2001 (R200x), Return Loss of Connectorized Polarization-Maintaining or Polarizing Fiber Pigtailed Devices or Cable Assemblies (reaffirmation of ANSI/TIA 455-201-2001)

Specifies a procedure for the measurement of the return loss of a fiber optic interconnection on single mode, highly birefringent optical fiber, i.e., either polarization-maintaining fiber (PMF) or polarizing fiber (PZF).

Single copy price: \$64.00

Obtain an electronic copy from: global@ihs.com

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

Send comments (with copy to BSR) to: Marianna Kramarikova, TIA; mkramarikova@tiaonline.org

UL (Underwriters Laboratories, Inc.)

Reaffirmations

BSR/UL 1047-2003 (R200x), Isolated Power Systems Equipment (reaffirmation of ANSI/UL 1047-2003)

Reaffirms the Fourth Edition of the Standard for Isolated Power Systems Equipment, UL 1047, as an American National Standard.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

Comment Deadline: November 13, 2007

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

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoptions

BSR/AAMI/ISO 25539-2-200x, Cardiovascular implants - Endovascular devices - Part 2: Vascular stents (identical national adoption of ISO/DIS 25539-2)

Specifies requirements for vascular stents, based upon current medical knowledge. Gives requirements for intended performance, design attributes, materials, design evaluation, manufacturing, sterilization packaging and information supplied by the manufacturer. Includes vascular stents used to treat vascular lesions or stenoses, or other vascular abnormalities. These devices may or may not incorporate surface modifications of the stent such as drug and/or other coatings.

Single copy price: \$25.00 (nonmembers); \$20.00 (AAMI members)

Obtain an electronic copy from: www.aami.org

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

Send comments (with copy to BSR) to: Cliff Bernier, AAMI; cbernier@aami.org

ANS (American Nuclear Society)

Reaffirmations

BSR/ANS 58.8-1994 (R200x), Time Response Design Criteria for Safety-Related Operator Actions (reaffirmation of ANSI/ANS 58.8-1994 (R2001))

Establishes time response design criteria for safety-related operator actions to be used in the design of light water reactor (LWR) nuclear power plants. The criteria are used to determine the minimum response time intervals for safety-related operator actions that are taken to mitigate design basis events (DBEs), which result in an automatic reactor trip.

Single copy price: \$66.00

Obtain an electronic copy from: Sue Cook, ANS; orders@ans.org

Order from: Sue Cook, ANS; orders@ans.org

Send comments (with copy to BSR) to: Patricia Schroeder, ANS; pschroeder@ans.org

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

Addenda

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

This is the second public review of proposed Addendum j, which adds a new Access Point object type, a new Access Zone object type, a new Access User object type, a new Access Rights object type, a new Access Credential object type, a new Authentication Factor Input object type, and a new ACCESS_EVENT event algorithm. This revised draft responds to comments reviewers made during the first public review of Addendum j.

Single copy price: Free

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

Order from: Beverly Fulks, ASHRAE; standards.section@ashrae.org

Send comments (with copy to BSR) to:
public.review.comment@ashrae.org

Technical Reports Registered with ANSI

Technical Reports Registered with ANSI are not consensus documents. Rather, all material contained in Technical Reports Registered with ANSI is informational in nature. Technical reports may include, for example, reports of technical research, tutorials, factual data obtained from a survey carried out among standards developers and/or national bodies, or information on the "state of the art" in relation to standards of national or international bodies on a particular subject.

Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to the PSA Center, American National Standards Institute, 25 West 43rd Street, New York, NY 10036 or E-Mail to psa@ansi.org.

Comment Deadline: October 14, 2007

ISA (ISA)

ANSI/ISA TR99.00.01-2007, Security Technologies for Industrial Automation and Control Systems (TECHNICAL REPORT) (technical report)

Provides an evaluation and assessment of many current types of electronic-based cyber security technologies, mitigation methods and tools that may apply in protecting the industrial automation and control environment from cyber intrusions and attacks.

Single copy price: \$Not yet available to general public

Order from: Charles Robinson, ISA; crobinson@isa.org

Send comments (with copy to BSR) to: Same

Call for Comment Contact Information

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

Order from:

AAMI

Association for the Advancement
of Medical Instrumentation
(AAMI)
1110 N Glebe Road
Suite 220
Arlington, VA 22201
Phone: (703) 525-4890 x229
Fax: (703) 276-0793
Web: www.aami.org

AHAM

Association of Home Appliance
Manufacturers
1111 19th Street N.W.
Suite 402
Washington, DC 20036
Phone: (202) 872 5955
Fax: (202) 872-9354
Web: www.aham.org

ANS

American Nuclear Society
555 North Kensington Avenue
La Grange Park, IL 60525
Phone: (708) 579-8210
Fax: (708) 352-6464
Web: www.ans.org/main.html

ASABE

American Society of Agricultural
and Biological Engineers
2950 Niles Road
St Joseph, MI 49085
Phone: (269) 429-0300
Web: www.asabe.org

ASHRAE

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

comm2000

1414 Brook Drive
Downers Grove, IL 60515

Global Engineering Documents

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

IEST

Institute of Environmental Sciences
and Technology
Arlington Place One
2340 South Arlington Heights Rd.
Suite 100
Arlington Heights, IL 60005-4516
Phone: (847) 981-0100
Fax: (847) 981-4130
Web: www.iest.org

ISA

ISA-The Instrumentation, Systems,
and Automation Society
67 Alexander Drive
Research Triangle Park, NC
27709
Phone: (919) 990-9213
Fax: (919) 549-8288

Send comments to:

AAMI

Association for the Advancement
of Medical Instrumentation
(AAMI)
1110 N Glebe Road
Suite 220
Arlington, VA 22201
Phone: (703) 525-4890 x229
Fax: (703) 276-0793
Web: www.aami.org

AHAM

Association of Home Appliance
Manufacturers
1111 19th Street N.W.
Suite 402
Washington, DC 20036
Phone: (202) 872 5955
Fax: (202) 872-9354
Web: www.aham.org

ANS

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

ASABE

American Society of Agricultural
and Biological Engineers
2950 Niles Road
St Joseph, MI 49085
Phone: (269) 429-0300
Web: www.asabe.org

ASHRAE

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

ASME

American Society of Mechanical
Engineers
3 Park Avenue, 20th Floor (20S2)
New York, NY 10016
Phone: (212) 591-8544
Fax: (212) 591-8501
Web: www.asme.org

DMSC, Inc.

Dimensional Metrology Standards
Consortium, Inc.
1228 Enclave Circle #301
Arlington, TX 76011
Phone: (817) 461-1092
Fax: (817) 461-4845
Web: www.dmis.org

IENT

Institute of Environmental Sciences
and Technology
Arlington Place One
2340 South Arlington Heights Rd.
Suite 100
Arlington Heights, IL 60005-4516
Phone: (847) 981-0100
Fax: (847) 981-4130
Web: www.ient.org

ISA

ISA-The Instrumentation, Systems,
and Automation Society
67 Alexander Drive
Research Triangle Park, NC
27709
Phone: (919) 990-9213
Fax: (919) 549-8288

TIA

Telecommunications Industry
Association
2500 Wilson Blvd., Suite 300
Arlington, VA 22201
Phone: 703-907-7706
Fax: 703-907-7728
Web: www.tiaonline.org

UL-IL

Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096
Phone: (847) 664-1725
Fax: (847) 407-1725

Project Initiation Notification System (PINS)

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

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

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

AHAM (Association of Home Appliance Manufacturers)

Office: 1111 19th Street N.W.
Suite 402
Washington, DC 20036

Contact: Jennifer Moyer

Fax: (202) 872-9354

E-mail: jmoyer@aham.org

BSR/AHAM HLW-1-200x, Performance Evaluation Procedures for Household Clothes Washers (revision of ANSI/AHAM HLW-1-2007)

Stakeholders: Manufacturers, consumer groups, suppliers.

Project Need: To revise AHAM detergent formula and dosage in order to prevent over-sudsing with larger loads during the AHAM wash test.

Establishes a uniform, repeatable procedure for evaluating the performance of household clothes washers. This standard provides technical means to compare and evaluate the performance of different brands and models of household clothes washers.

APCO (Association of Public-Safety Communications Officials-International)

Office: 351 N. Williamson Boulevard
Daytona Beach, FL 32114

Contact: Amanda Byrd

Fax: (386) 322-2501

E-mail: byrda@apco911.org

BSR/APCO 1.101.1-200x, Standard for Handling Calls Regarding Missing and Exploited Children (new standard)

Stakeholders: Public safety communication centers/agencies; emergency calltakers and administrators.

Project Need: To provide an uniform set of recommended procedures for handling calls regarding missing children and calls seeking help in protecting children from sexual exploitation.

A collaborative effort including the Association of Public Safety Communications Officers (APCO), National Academies of Emergency Dispatch (NAED), National AMBER Alert Initiative (U.S. Department of Justice's Office of Justice Programs and Fox Valley Technical College), National Center for Missing & Exploited Children (NCMEC), and National Emergency Number Association (NENA) to develop a reference specifically for calltakers to present the missing and/or sexually exploited child response process in a logical progression from the initial call through the first response.

CSA (3) (CSA America, Inc.)

Office: 8501 East Pleasant Valley Road
Cleveland, OH 44131-5575

Contact: Allen Callahan

Fax: (216) 642-3463

E-mail: al.callahan@csa-america.org

BSR Z83.7-200x, Gas-Fired Construction Heaters (same as CSA 2.14) (revision of ANSI Z83.7-2000 (R2005))

Stakeholders: Consumers, manufacturers, gas suppliers and certifying agencies.

Project Need: To revise this Standard for Safety.

Details test and examination criteria for construction heaters for use with natural and liquefied petroleum gases. A construction heater is primarily intended for temporary use in heating buildings or structures under construction, alteration or repair. All products of combustion are released into the area being heated.

DMSC, Inc. (Dimensional Metrology Standards Consortium, Inc.)

Office: 1228 Enclave Circle #301
Arlington, TX 76011

Contact: Bailey Squier

Fax: (817) 461-4845

E-mail: bsquier@dmsstandard.org

BSR/DMIS 105.2-2007, Part 1-200x, Dimensional Measuring Interface Standard, Revision 5.2 (revision and redesignation of BSR/DMIS 105.1 2007, Part 1-200x)

Stakeholders: Every manufacturing industry that uses computer-driven inspection machines.

Project Need: To provide fixes, changes, enhancements. (DMIS is the only inspection interface standard of its kind.)

Provides for the bi-directional communication of inspection data between computer systems and inspection equipment. DMIS provides the vocabulary to pass inspection programs to measuring equipment and to pass measurement and process data back to an analysis, collection, or archiving system. DMIS defines a neutral format for data exchange, and is designed to be man readable and man writable.

NETA (InterNational Electrical Testing Association)

Office: 106 Stone Street
P.O. Box 687
Morrison, CO 80465

Contact: *Kristen Schmidt*

Fax: (269) 488-6383

E-mail: kschmidt@netaworld.org

BSR/NETA ATS-200x, Acceptance Testing Specifications for Electrical Power Distribution Equipment and Systems (new standard)

Stakeholders: Governmental agencies, A&E firms, inspection authorities, owners of facilities.

Project Need: To find defects before startup so that they can be corrected under warranty and without safety hazards.

Assures that all tested electrical equipment and systems supplied by either contractor or owner are operational and within applicable standards and manufacturer's tolerances and that equipment and systems are installed in accordance with design specifications.

VITA (VMEbus International Trade Association (VITA))

Office: PO Box 19658
Fountain Hills, AZ 85269

Contact: *John Rynearson*

E-mail: techdir@vita.com

BSR/VITA 51.0-200x, Reliability Prediction (new standard)

Stakeholders: Manufacturers, component suppliers, and users of embedded products.

Project Need: To revise methods in the field. (Current methods use MIL HB 217, which has become problematic with the passage of time.)

Provides an electronics failure rate prediction methodology and self-assessment standard.

BSR/VITA 51.1-200x, Reliability Prediction MIL-HDBK 217 Subsidiary Specification (new standard)

Stakeholders: Manufacturers, component suppliers, and users of embedded products.

Project Need: A standardized method is required to apply MIL-HDBK 217 methods to current electronic components.

Provides a standard method of performing reliability predictions on COTS modules using MIL-HDBK-217F Notice 2.

American National Standards Maintained Under Continuous Maintenance

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

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

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

- AAMI □□□□
- AAMVA □□□□
- AGA □□□□
- AGRSS, Inc □□□□
- ASHRAE □□□□
- ASME □□□□
- ASTM □□□□
- MHI (ASC MH10) □□□□
- NBBPVI □□□□
- NCPDP □□□□
- NSF International □□□□
- TIA □□□□
- Underwriters Laboratories, Inc. (UL) □□□□

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

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

Proposed Foreign Government Regulations

Call for Comment

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

The National Center for Standards and Certification Information (NCSCI) at the National Institute of Standards and Technology

(NIST), distributes these proposed foreign technical regulations to U.S. stakeholders via an online service, Notify U.S. Notify U.S. is an e-mail and Web service that allows interested U.S. parties to register, obtain notifications, and read full texts of regulations from countries and for industry sectors of interest to them. To register for Notify U.S., please go to Internet URL:

<http://www.nist.gov/notifyus/> and click on "Subscribe".

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

Information Concerning

American National Standards

INCITS Executive Board

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

Call for Members

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

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

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

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

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

ANSI Accreditation Services Department

New Pilot Programs

ASME/CSA Standards on Elevators and Escalators

ANSI is pleased to announce the launch of a new pilot accreditation program in response to market demand. This program will focus on ASME/CSA standards for the following scopes:

- a) Elevator
- b) Escalator

See [page 58](#) for more information.

British Retail Consortium (BRC) standard

ANSI is pleased to announce the launch of a new pilot accreditation program in response to market demand. This program will focus on British Retail Consortium (BRC) standard for the following scopes:

- a) Food Standard
- b) Consumer Products
- c) Packaging
- d) Storage
- e) Distribution and Non-GM

See [page 60](#) for more information.

ANSI Accredited Standards Developers

Administrative Reaccreditation

ASC C8 – Wires and Cables, and ASC C18 – Portable Cells and Batteries

Accredited Standards Committees C8, Wires and Cables and C18, Portable Cells and Batteries have been administratively reaccredited at the direction of ANSI's Executive Standards Council, under operating procedures revised to bring the documents into compliance with the 2007 version of the ANSI Essential Requirements, effective September 6, 2007. For additional information, please contact: Ms. Jean French, Standards Approval Associate, NEMA, 1300 North 17th Street, Suite 1752, Rosslyn, VA 22209; PHONE: (703) 841-3252; FAX: (703) 841-3352; E-mail: jea_french@nema.org.

Approval of Accreditation

ASC O5 – Wood Poles and Other Wood Products

ANSI's Executive Standards Council has approved the reaccreditation of Accredited Standards Committee O5, Wood Poles and Other Wood Products, under revised operating procedures for documenting consensus on proposed American National Standards, effective September 7, 2007. For additional information, please contact the Secretariat of ASC O5: Mr. Jean-Paul Emard, Director, Industry Forums, Alliance for Telecommunications Industry Solutions, 1200 G Street NW, Suite 500, Washington, DC 20005; PHONE: (202) 434-8824; FAX: (202) 393-5453; E-mail: jpemard@atis.org.

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 154 – Processes, Data Elements and Documents in Commerce, Industry and Administration

Comment Deadline: September 28, 2007

ANSI has been advised Switzerland (SNV) no longer wishes to serve as Secretariat for the above ISO Technical Committee, which has the following scope:

International standardization and registration of business, and administration processes and supporting data used for information interchange between and within individual organizations and support for standardization activities in the field of industrial data.

Development and maintenance of application specific meta standards for: process specification (in the absence of development by other technical committees); data specification with content; forms-layout (paper/electronic).

Development and maintenance of standards for process identification (in the absence of development by other technical committees); data identification.

Maintenance of the EDIFACT-Syntax.

Anyone wishing the United States to assume the role of International Secretariat for ISO/TC 154 should contact Henrietta Scully at ANSI via e-mail: hscully@ansi.org by September 28th.

ISO/TC 193/SC 3 – Natural Gas – Upstream Area

Comment Deadline: September 21, 2007

ANSI has been advised The American Petroleum Institute (API) wishes to serve as delegated ANSI Secretariat for the above ISO subcommittee relinquished by Norway (SN).

This SC is covered by the scope of the main Technical Committee (ISO/TC 193), having the following scope:

Standardization of terminology, quality specifications, methods of measurement, sampling, analysis and test for natural gas and natural gas substitutes (gaseous fuel), in all its facets from production to delivery to all possible end users across national boundaries. Recognition of work related to natural gas in other technical committees and in liaison with these technical committees.

Anyone wishing to comment on the delegation of the International Secretariat to API should contact Henrietta Scully at ANSI via e-mail: hscully@ansi.org by September 21st.

Systematic Review of ISO Standards not Assigned to a Specific Technical Committee

Comment Deadline: November 16, 2007

It is the practice within ISO when an ISO Technical Committee (TC) is disbanded, existing ISO Standards, when requiring systematic review, be transmitted to ISO Member Bodies.

The following ISO Standards are before the ISO Member Bodies for consideration of being Reaffirmed, Revised or Withdrawn:

ISO 8530:1986, Manganese and chromium ores – Experimental methods for checking the precision of sample division

ISO 314:1981, Manganese ores – Determination of carbon dioxide content – Gravimetric method

ISO 6129:1981, Chromium ores – Determination of hygroscopic moisture content in analytical samples – Gravimetric method

ISO 5890:1981, Manganese ores and concentrates – Determination of silicon content – Gravimetric method

ISO 312:1986, Manganese ores – Determination of active oxygen content, expressed as manganese dioxide – Titrimetric method

ISO 7990:1985, Manganese ores and concentrates – Determination of total iron content – Titrimetric method after reduction and sulfosalicylic acid spectrophotometric method

ISO 4571:1981, Manganese ores and concentrates – Determination of potassium and sodium content – Flame atomic emission spectrometric method

ISO 4293:1982, Manganese ores and concentrates – Determination of phosphorus content – Extraction-molybdovanadate photometric method

ISO 553:1981, Manganese ores – Determination of vanadium content – Titrimetric method and phosphotungstovanadate photometric method

ISO 4296-1:1984, Manganese ores – Sampling – Part 1: Increment sampling

ISO 4294:1984, Manganese ores and concentrates – Determination of copper content – Extraction-spectrometric and spectrometric methods

ISO 6130:1985, Chromium ores – Determination of total iron content – Titrimetric method after reduction

ISO 316:1982, Manganese ores – Determination of cobalt content – Nitroso-R-salt photometric method

ISO 310:1992, Manganese ores and concentrates – Determination of hygroscopic moisture content in analytical samples – Gravimetric method

ISO 8542:1986, Manganese and chromium ores – Experimental methods for evaluation of quality variation and methods for checking the precision of sampling

ISO 621:1981, Manganese ores – Determination of metallic iron content (metallic iron content not exceeding 2%) – Sulphosalicylic acid photometric method

A copy of the above ISO Standards can be obtained from ANSI's eStandards Store (<http://webstore.ansi.org/>).

A recommended response and supporting comments on the US position for any or all of the above ISO Standards should be sent to Henrietta Scully at ANSI via e-mail: hscully@ansi.org, by close of business, November 16, 2007. Comments received supporting withdrawal will be presented for the AIC's endorsement to be submitted to ISO.

Meeting Notice

ASC Z223/NFPA 54 – The National Fuel Gas Code Committee

ASC Z223/NFPA 54, the National Fuel Gas Code Committee, will convene at the Railroad Commission of Texas, 1701 North Congress Avenue, Austin, Texas, in room Travis - 1-104, on October 16-17, 2007. The primary purpose is to discuss the public comments received on proposed revisions. A preliminary meeting agenda, registration form, and hotel information can be downloaded at www.aga.org/nfgc. Contact Paul Cabot at pcabot@aga.org or (202) 824-7312 for any questions.

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

Public Review Draft

ASHRAE® Standard

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

First Public Review (September 2007)
(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 1-800-527-4723 (for orders in the U.S. or Canada).

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

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

© July 31, 2007. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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 change results from a continuous maintenance change proposal. The proposed change is to delete the requirements to simultaneously observe the mechanical equipment operating conditions described in Section 7.5 when conducting evaluations of thermal environments under Section 7 of Standard 55-2004.

Note to Reviewers: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and strikethrough (for deletions). 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 a to 55-2004

[Delete Section 7.5 in its entirety as shown below and renumber Section 7.6 and its subsections accordingly.]

7.5 Mechanical Equipment Operating Conditions

In order to determine appropriate corrective actions following the use of this standard to analyze the environment, the following operations of the mechanical system shall be measured concurrently with the environmental data:

- Air supply rate into the space being measured
- Room/supply air temperature differential
- Type and location of room diffuser or air outlet
- Discharge air speed
- Perimeter heat type, location, and status
- Return grille location and size
- Type of air supply system
- Surface temperatures of heated or cooled surfaces
- Water supply and return temperatures of hydronic systems

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

Public Review Draft

ASHRAE® Standard

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

First Public Review (September 2007)
(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 1-800-527-4723 (for orders in the U.S. or Canada).

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

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

© September 14, 2007. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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



BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 62.2-2007, *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

This proposed change implements interpretation IC 62.2-2004-3. The proposed language clarifies the section and makes it easier for users to apply an ANSI consensus standard method to meet the requirements of Section 6.5. No change is made to the actual requirements which exist to limit the transport of contaminants from garages to occupiable spaces.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum a to 62.2-2007

[Reviewers Note: Add the following to Section 6.5:]

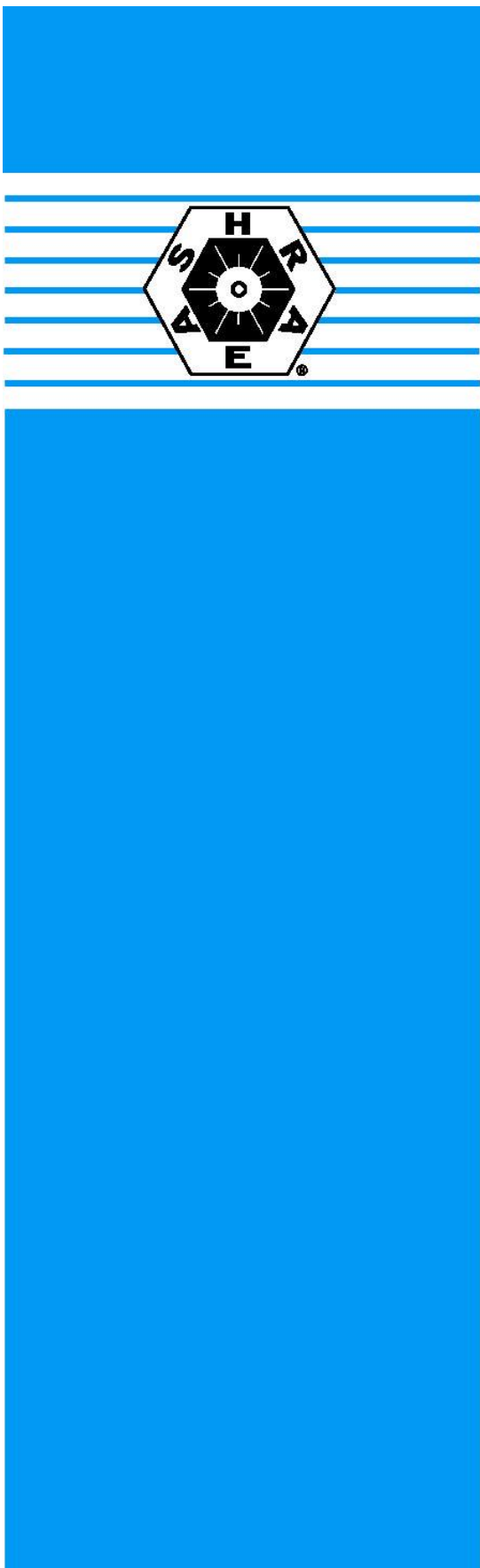
6.5 Garages

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 total air leakage of no more than 6% of total fan flow when measured at 0.1 in. w.c. (25 Pa), using California Title 24⁵ or equivalent. Method B of ANSI/ASTM E1554¹⁰ may be used to meet this requirement, provided that the garage door is open to the outside and that supply and return leakage results are added to get the total system leakage.

[Reviewers Note: Add the following normative reference to Section 9:]

9. References

10. ANSI/ASTM E1554-03 Standard Test Methods for Determining External Air Leakage of Air Distribution Systems by Fan Pressurization. ASTM International, West Conshohocken, PA.



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

Public Review Draft

ASHRAE® Standard

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

First Public Review (September 2007)
(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 1-800-527-4723 (for orders in the U.S. or Canada).

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

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

© July 31, 2007. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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

BSR/ASHRAE Addendum b to ANSI/ASHRAE Standard 15-2007, *Safety Standard for Refrigeration Systems*
First Public Review Draft

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

Foreword

The current version of ANSI/ASHRAE Standard 15-2007 requires pressure relief protection for all positive displacement compressors equipped with a stop valve in the discharge line, regardless of size. The proposed change will bring Standard 15 in to alignment with UL 984 (Hermetic Refrigerant-Motor Compressors) and except small compressors due to their self-limiting nature in building excessive discharge pressure if started while isolated. Also, the first sentence of Section 9.8 was revised to clarify its meaning.

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 15-2007

Revise Section 9.8 to read as follows:

9.8 Positive Displacement Compressor Protection.

Every positive displacement compressor ~~When equipped~~ with a stop valve in the discharge connection, ~~every positive displacement compressor~~ shall be equipped with a pressure-relief device of adequate size and pressure setting, as specified by the compressor manufacturer, to prevent rupture of the compressor or to prevent the pressure from increasing to more than 10% above the maximum allowable working pressure of any other component located in the discharge line between the compressor and the stop valve or in accordance with Section 9.7.5, whichever is larger. The pressure-relief device shall discharge into the low-pressure side of the system or in accordance with Section 9.7.8.

Exception: Hermetic refrigerant motor-compressors that are listed and have a displacement less than or equal to 50 ft³/min (1.42 m³/min).

The relief device(s) shall be sized based on compressor flow at the following conditions:

1. **High-Stage or Single-Stage Compressors:** Flow is to be calculated based on 50°F (10°C) saturated suction temperature at the compressor suction.
2. **Low-Stage or Booster Compressors:** For those compressors that are capable of running only when discharging to the suction of a high-stage compressor, flow is to be calculated based on the saturated suction temperature equal to the design operating intermediate temperature.

Exception for items 1 and 2: The discharge capacity of the relief device is allowed to be the minimum regulated flow rate of the compressor when the following conditions are met:

- (a) the compressor is equipped with capacity regulation,
- (b) capacity regulation actuates to minimum flow at 90% of the pressure-relief device setting, and
- (c) a pressure-limiting device is installed and set in accordance with the requirements of Section 9.9.

Appendix F describes one acceptable method of calculating the discharge capacity of positive displacement compressor relief devices.

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

Public Review Draft

ASHRAE® Standard

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

First Public Review (September 2007)
(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 1-800-527-4723 (for orders in the U.S. or Canada).

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

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

© July 31, 2007. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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 change results from a continuous maintenance change proposal made by a commenter on the final public review draft leading up to the publication of the substantially revised Standard 55-2004. The proposed change is to impose a uniform limit on maximum humidity ratio for the comfort zone specified for the Graphical Method described in Section 5.2.1.1.

Note that this restriction applies neither to the Computer Model Method (PMV-PPD) in Section 5.2.1.2, which allows designers access to certain conditions above 0.012 humidity ratio, nor to the Adaptive Model, which does not require any humidity limits.

Note to Reviewers: 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 55-2004

[Revise the first paragraph of Section 5.2.2 as shown below.]

5.2.2 Humidity Limits. When the graphical method in Section 5.2.2.1 is used, systems designed to control humidity shall be able to maintain a humidity ratio at or below 0.012, which corresponds to a water vapor pressure of 1.910 kPa (0.277 psi) at standard pressure or a dew-point temperature of 16.8°C (62.2°F).

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

Public Review Draft

ASHRAE® Standard

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

First Public Review (September 2007)
Full Public Review (Draft Shows
Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed addendum, 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 1-800-527-4723 (for orders in the U.S. or Canada).

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

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

© September 14, 2007. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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



BSR/ASHRAE Addendum c to ANSI/ASHRAE Standard 62.2-2007, *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

Attached garages commonly contain many potential sources of contaminants ranging from the storage of chemical products to the intermittent operation of automobiles. Standard 62.2 has long recognized that preventing the transport of these contaminants into residences is important but has had limited detail on how to prevent such transport. This addendum modifies Section 6.5 of Standard 62.2-2007 to add specific requirements on separating the garage from adjoining occupiable space such as sealing known potential areas of air leakage at joints and penetrations.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum c to 62.2-2007

Reviewer Note: Revise Section 6.5 as follows:

6.5 Garages. When an occupiable space adjoins a garage, the design must prevent migration of contaminants to the adjoining occupiable space. Air seal walls, ceilings, and floors that separate garages from occupiable space. To be considered air sealed, all joints, seams, penetrations; openings between door assemblies and their respective jambs and framing; and other sources of air leakage through the wall and ceiling assemblies separating the garage from the residence and its attic area shall be caulked, gasketed, weatherstripped, wrapped, or otherwise sealed to limit air movement. Doors between garages and occupiable spaces shall be gasketed or made substantially airtight with weather stripping.

All air distribution joints in the garage shall be sealed. HVAC systems that serve occupiable space shall not be designed to supply air to, or return air from, the garage. HVAC systems that include air handlers or return ducts located in garages shall have total air leakage of no more than 6% of total fan flow when measured at 0.1 in. w.c. (25 Pa) using California Title 24⁵ or equivalent.

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

Public Review Draft

ASHRAE® Standard

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

First Public Review (October 2007)
(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 1-800-527-4723 (for orders in the U.S. or Canada).

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

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

© August 13, 2007. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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



BSR/ASHRAE Addendum d to ANSI/ASHRAE Standard 15-2007, *Safety Standard for Refrigeration Systems*
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

There has been a trend toward increased use of cascade systems in refrigeration applications. Cascade systems are being used in supermarkets, refrigerated warehouses, and industrial plants. The changes to Standard 15 proposed by this addendum are intended to provide a foundation for additional revisions to the standard to better support the safety of these refrigeration 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.

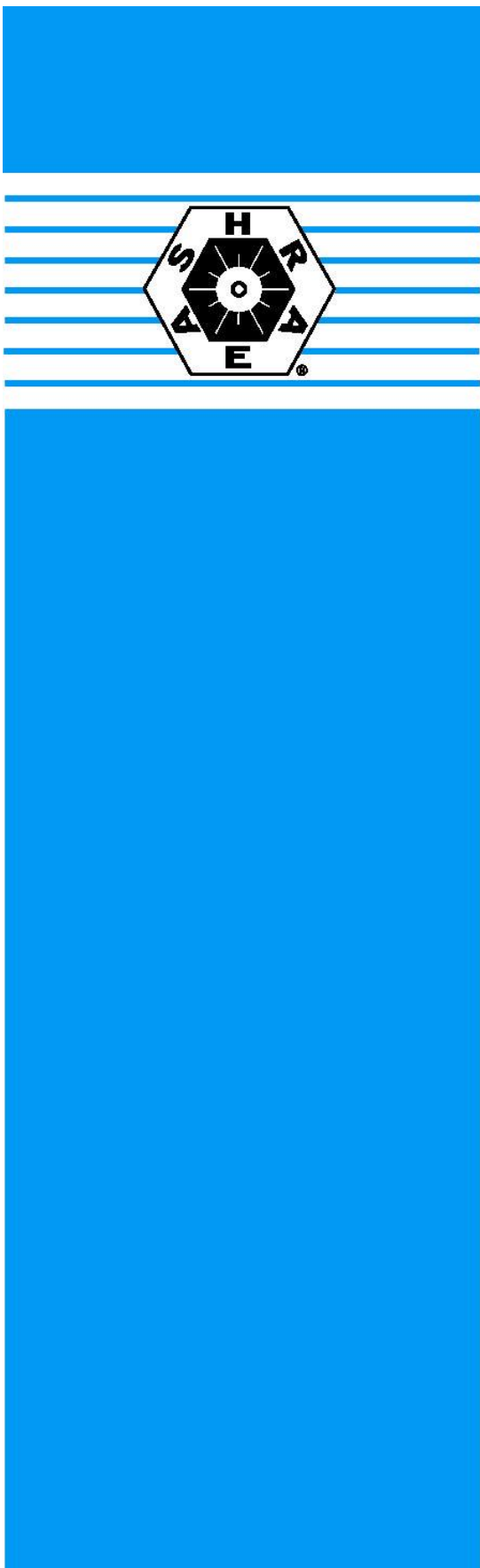
Addendum d to 15-2007

[Add the following new definitions to the existing definitions in Section 3.]

cascade refrigerating system: a refrigerating system having two or more refrigerant circuits, each with a pressure-imposing element, a condenser, and an evaporator, where the evaporator of one circuit absorbs the heat rejected by another (lower temperature) circuit.

compound refrigerating system: a multi-staged refrigerating system in which a single charge of refrigerant circulates through all stages of compression. See *multi-stage refrigerating system*.

multi-stage refrigerating system: a refrigerating system in which compression of refrigerant is carried out in two or more steps.



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

Public Review Draft

ASHRAE® Standard

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

First Public Review (September 2007)
(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 1-800-527-4723 (for orders in the U.S. or Canada).

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

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

© August 13, 2007. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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

BSR/ASHRAE Addendum e to ANSI/ASHRAE Standard 15-2007, *Safety Standard for Refrigeration Systems*
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

There has been a trend toward increased use of cascade systems in refrigeration applications. Cascade systems are being used in supermarkets, refrigerated warehouses, and industrial plants. The changes to Standard 15 proposed by this addendum are intended to provide appropriate guidance for the protection of positive displacement compressors when used in cascade refrigeration system configurations.

Note to Reviewers: 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 e to 15-2007

[Revise Section 9.8 as follows.]

9.8 Positive Displacement Compressor Protection. When equipped with a stop valve in the discharge connection, every positive displacement compressor shall be equipped with a pressure-relief device of adequate size and pressure setting, as specified by the compressor manufacturer, to prevent rupture of the compressor or to prevent the pressure from increasing to more than 10% above the maximum allowable working pressure of any other component located in the discharge line between the compressor and the stop valve or in accordance with Section 9.7.5, whichever is larger. The pressure-relief device shall discharge into the low-pressure side of the system or in accordance with Section 9.7.8.

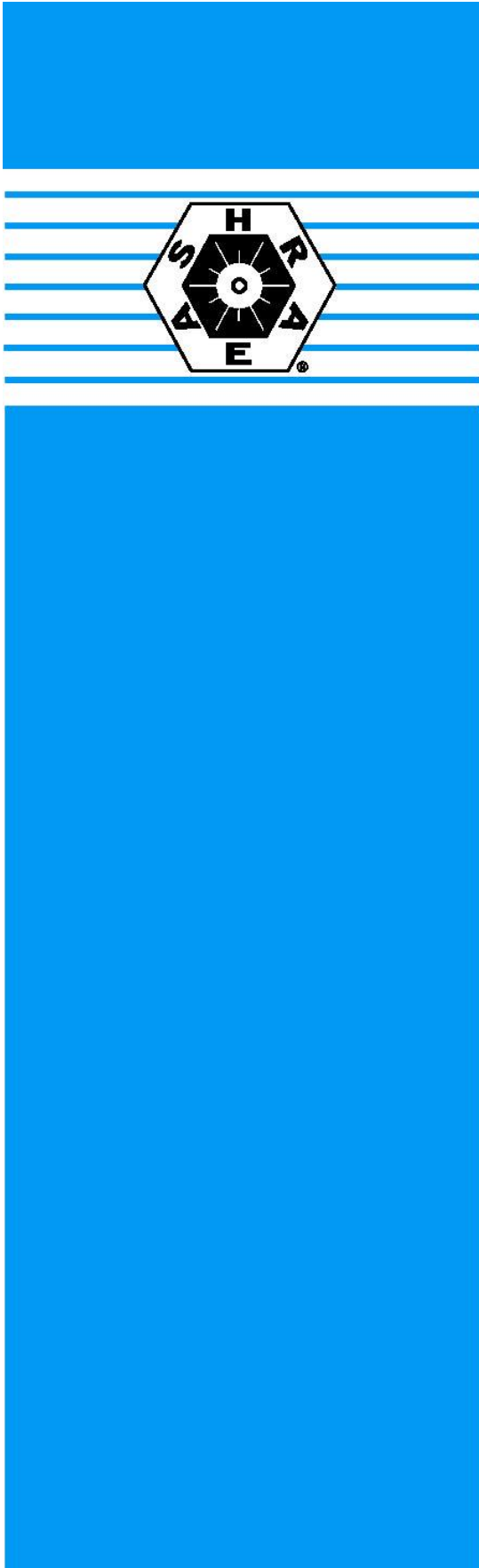
The relief device(s) shall be sized based on compressor flow at the following conditions:

1. ~~High Stage or Single Stage Compressors:~~ **Compressors in Single Stage Systems and High-Stage Compressors of Other Systems:** Flow ~~shall~~ is to be calculated based on 50°F (10°C) saturated suction temperature at the compressor suction.
2. **Low-Stage or Booster Compressors in Compound Systems:** For those compressors that are capable of running only when discharging to the suction of a high-stage compressor, flow ~~shall~~ is to be calculated based on the saturated suction temperature equal to the design operating intermediate temperature.
3. **Low-Stage Compressors in Cascade Systems:** For those compressors that are located in the lower-temperature stage(s) of cascade systems, flow shall be calculated based on the suction pressure being equal to the pressure setpoint of the pressure-relieving devices that protect the low side of the stage against overpressure.

Exception for items 1 ~~and~~ 2, and 3: The discharge capacity of the relief device is allowed to be the minimum regulated flow rate of the compressor when the following conditions are met:

- a. the compressor is equipped with capacity regulation,
- b. capacity regulation actuates to minimum flow at 90% of the pressure-relief device setting, and
- c. a pressure-limiting device is installed and set in accordance with the requirements of Section 9.9.

Appendix F describes one acceptable method of calculating the discharge capacity of positive displacement compressor relief devices.



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

Public Review Draft

ASHRAE® Standard

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

First Public Review (September 2007)
(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.

© September 14, 2007. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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

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

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

FOREWORD

This proposed addendum addresses an issue raised by interpretation, IC 62.1-2004-03, clarifying the meaning of “pool deck area” and associated outdoor airflow rate requirements.

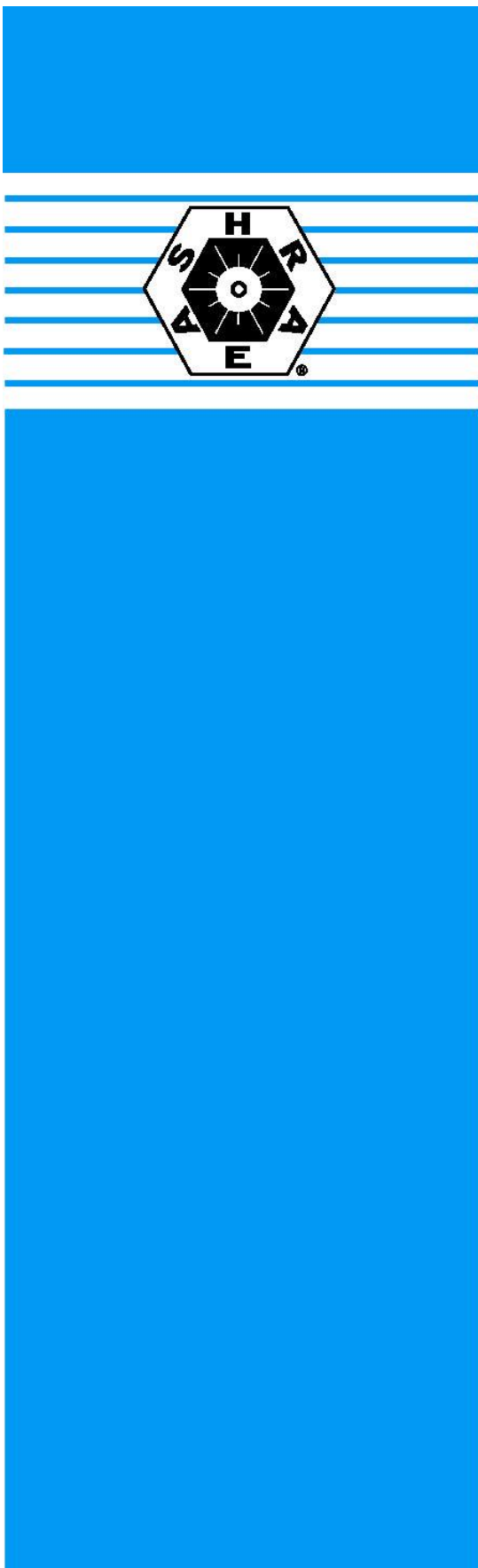
[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum f to 62.1-2007

Reviewer Note: Revise the Item-Specific Note C in Table 6-1 as follows:

ITEM-SPECIFIC NOTES FOR TABLE 6-1

C Rate does not allow for humidity control. Additional ventilation or dehumidification may be required to remove moisture. Deck area refers to the area surrounding the pool that would be expected to be wetted during normal pool use, i.e., when the pool is occupied. Deck area that is not expected to be wetted shall be designated as a space type, for example spectator area.



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

Public Review Draft

ASHRAE® Standard

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

First Public Review (September 2007)
(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.

© September 14, 2007. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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

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

First Public Review Draft

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

FOREWORD

This addendum adds a designation of R-434A to the blend R125/143a/134a/600a (63.2/18.0/16.0/2.8) with composition tolerances of ($\pm 1.0/\pm 1.0/\pm 1.0/+0.1, -0.2$), a safety classification of A1 and a RCL of 73,000 ppm, 320 g/m³, 20 lb/Mcf and a code classification of neither highly toxic or toxic. It also updates Table D2 with the molecular mass, bubble point, and dew point data as provided in the application.

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 i to 34-2007

Add the following entries for R-434A:

TABLE 2

Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 434A

Composition (Mass %) = R-125/143a/134a/600a (63.2/18.0/16.0/2.8)

Composition Tolerances = ($\pm 1.0/\pm 1.0/\pm 1.0/+0.1, -0.2$)

Safety Group = A1

RCL = 73,000 ppm (v/v), 320 g/m³, 20 lb/Mcf

Highly Toxic or Toxic Under Code Classification = Neither

TABLE D2

Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 434A

Composition (Weight %) = R-125/143a/134a/600a (63.2/18.0/16.0/2.8)

Average Molecular Mass = 105.7

Bubble Point (°C) = -45.0

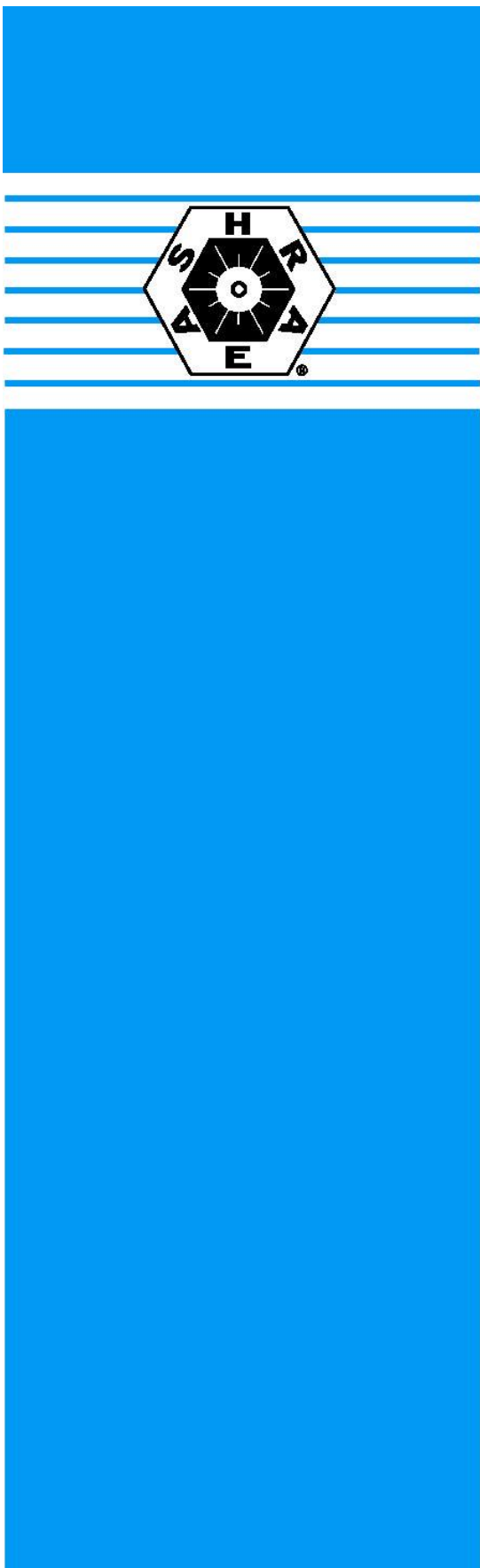
Dew Point (°C) = -42.3

Bubble Point (°F) = -49.0

Dew Point (°F) = -44.1

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

First Public Review Draft



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

Public Review Draft

ASHRAE® Standard

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

First Public Review (September 2007)
(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.

© September 14, 2007. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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

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

First Public Review Draft

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

FOREWORD

This addendum adds data for R-601 to Table 1, adds R-601 to Table D1, and to Table E1 with underlying toxicity and flammability data as provided in the application, with the following exceptions: 1) LFL = 1.2 vol%, 2) the rat LC50 for isopentane shall be applied to n-pentane.

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 j to 34-2007

Add the following entries for R-601:

TABLE 1
Refrigerant Data and Safety Classifications

Refrigerant Number = 601
 Chemical Name = pentane
 Chemical Formula = $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$
 Safety Group = A3
 RCL = 1,000 ppm (v/v), 2.9 g/m³, 0.2 lb/Mcf
 Highly Toxic or Toxic Under Code Classification = Neither

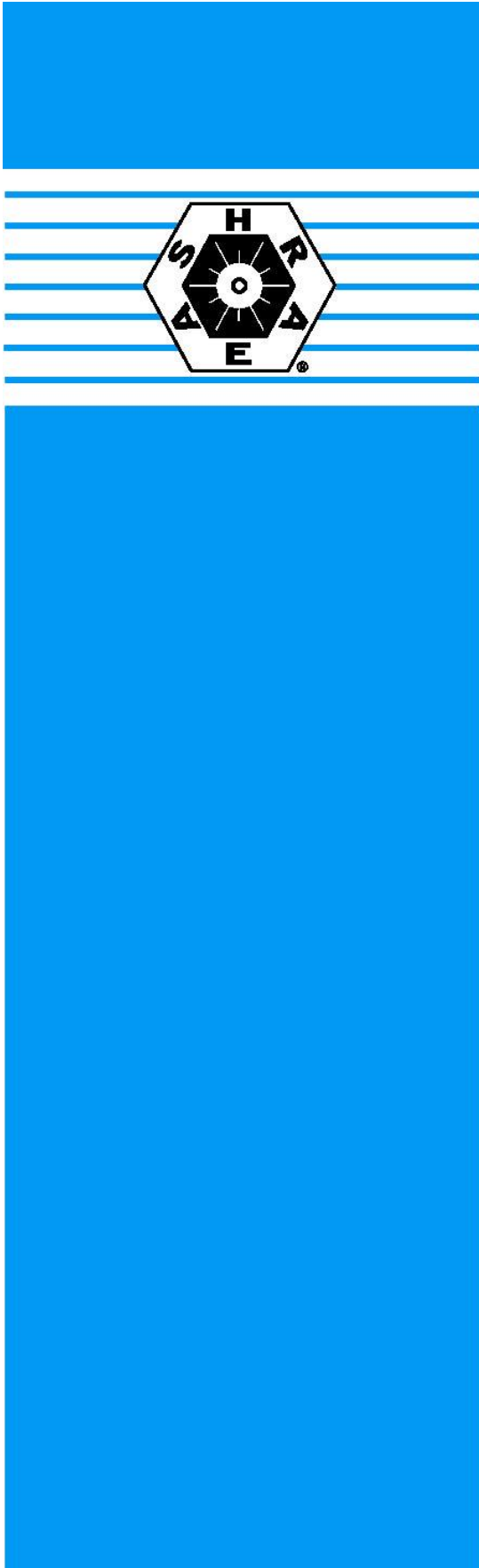
TABLE D1
Refrigerant Data

Refrigerant Number = 601
 Chemical Name = pentane
 Chemical Formula = $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$
 Molecular Mass = 72.1
 Normal Boiling Point (°C) = 36.1
 Normal Boiling Point (°F) = 97.0

TABLE E1
Toxicity and Flammability data for Single Compound Refrigerants

Refrigerant R- = 601
 Chemical Name = pentane
 LC₅₀ = 434,000^u
 Cardiac Sensitization LOEL = ND
 Cardiac Sensitization NOEL = ND
 Anesthesia EC₅₀ = ND
 Anesthesia LOEL = 16,000
 Anesthesia NOEL = 32,000
 Other = ND
 ATEL = 1,000
 ODL = 140,000
 FCL = 3,000
 RCL = 1,000
 LFL = 12,000
 ATEL Source = Sect 7.1.1 (b)
 RCL Source = ATEL

^uThe value shown is the LC₅₀ for isopentane. The value for pentane is expected to be similar.



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

Public Review Draft

ASHRAE® Standard

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

First Public Review (September 2007)
(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.

© September 14, 2007. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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

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

First Public Review Draft

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

FOREWORD

This addendum adds to section 9.6.1 the following missing information to complete refrigerant applications.

g. anesthetic and Central Nervous System Effects

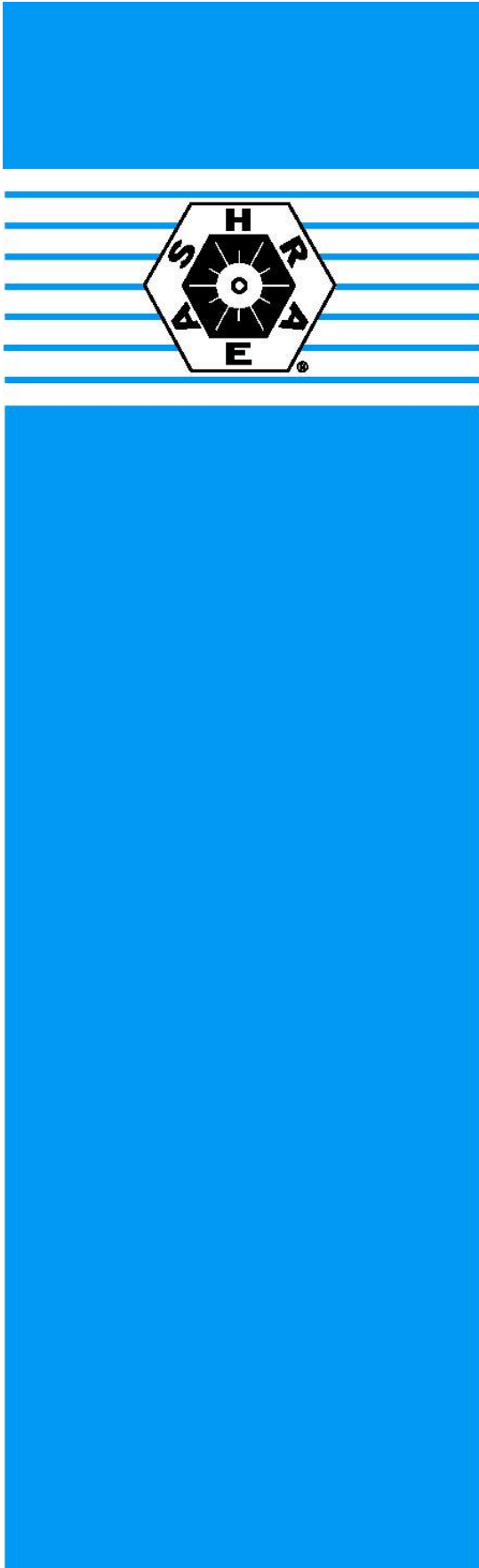
h. other Escape-Impairing Effects and Permanent Injury

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 k to 34-2007

9.6.1 Acute Toxicity. Applications shall include the following short-term toxicity data, with identified sources, for single-compound refrigerants or for each component of blends:

- a. ACGIH TLV-C if assigned,
 - b. ACGIH TLV-STEL if assigned,
 - c. NIOSH IDLH if assigned,
 - d. LC50 for four hours for rats,
 - e. LD50 if available, ~~and~~
 - f. cardiac sensitization response level,
 - g. anesthetic and central nervous system effects, and
 - h. other escape-impairing effects and permanent injury.
-



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

Public Review Draft

ASHRAE® Standard

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

First Public Review (September 2007)
(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.

© September 14, 2007. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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

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

First Public Review Draft

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

FOREWORD

This addendum revises clauses B2.4.1, B2.4.2 and B2.5 to clarify the requirements for fractionation analysis when applying for designation and safety classification of a refrigerant.

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.

B2.4.1 Leaks Under Storage/Shipping Conditions. To simulate leaks under storage/shipping conditions, the container shall be filled with the WCF at ~~23.0°C (73.4°F)~~ to 90% by mass of the maximum ~~permissible fill, that which precludes~~ the maximum fill is the calculated mass which gives a 100% liquid fill at 54.4°C (130°F), and then. The charged blend shall be vapor leaked, 2% by mass of the ~~starting~~ initial charge per hour, at the following temperatures:

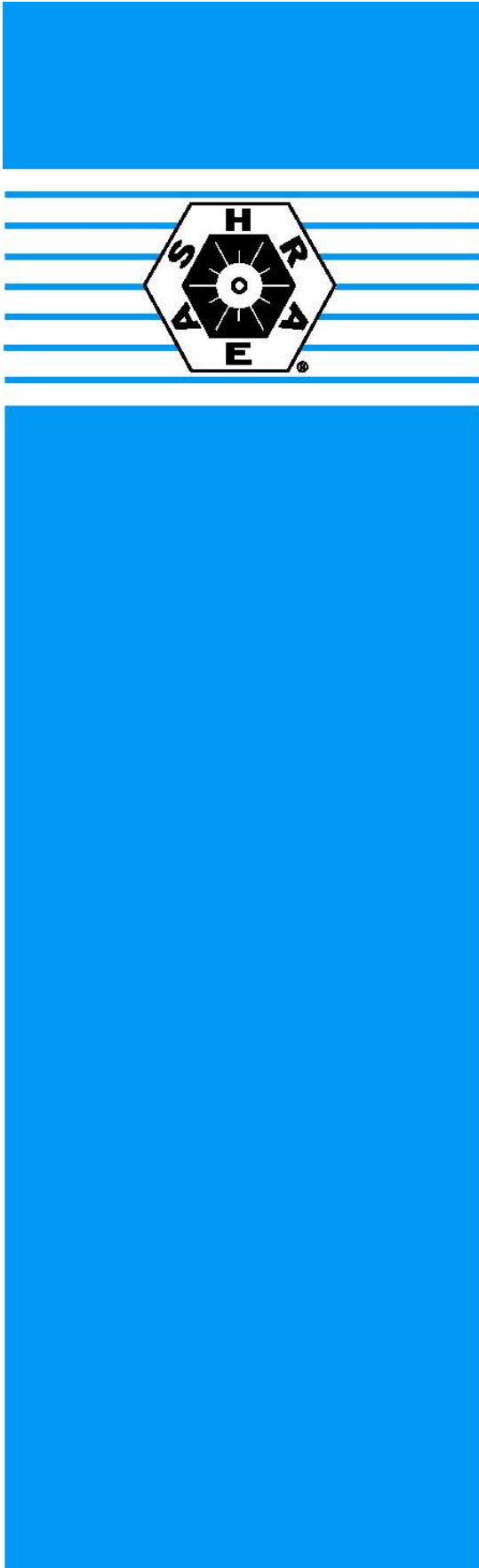
(remainder unchanged)

B2.4.2 Leaks from Equipment. To simulate leaks from equipment, the container shall be filled with the WCF at ~~ambient temperature~~ to 15% of the maximum ~~permissible fill~~ (as defined in B2.4.1) and then shall be vapor leaked at the following temperatures:

(remainder unchanged)

B2.5 Leak Charge/Recharge Testing. Refrigerant blends containing flammable component(s) shall be evaluated to determine the fractionation effects of successive leakage and recharging on the composition of the blend. A container shall be charged to 15% ~~full of its~~ the maximum permitted fill (as defined in B2.4.1) with the WCF formulation of the refrigerant blend. A vapor leak at a rate of 2% by mass of the starting charge per hour shall be created and maintained at ambient temperature until 20% of the starting charge has been leaked. When 20% leak is reached, the composition of the head space gas shall be determined by analysis. The container shall again be charged with the WCF to 15% ~~full of the maximum fill~~ (as defined in B2.4.1), leaked, and measured in the above defined manner. The charge/leak cycle shall be performed a total of five times. At the conclusion of the fifth leakage, the composition of the head space gas and liquid shall again be determined by gas chromatography.

(remainder unchanged)



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

Public Review Draft

ASHRAE® Standard

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

First Public Review (September 2007)
(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.

© March 16, 2007. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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

BSR/ASHRAE/IESNA Addendum h to ANSI/ASHRAE/IESNA Standard 90.1-2007, *Energy Standard for Buildings Except 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

This change includes a new exception to 6.5.2.1 that is geared toward zones with direct digital controls (DDC). The new exception (exception b) largely addresses the apparent conflict between Standards 55, 62.1 and 90.1 and also takes advantage of the energy savings potential of DDC controls in order to save about \$0.20/ft²/yr with a simple payback of less than 2 years. The apparent conflict is that the current 30% reheat maximum typically requires very high supply air temperatures (e.g. >100°F) to meet peak heating load. High supply air temperatures result in poor comfort per Standard 55 and poor ventilation effectiveness per Standard 62.1. The new exception allows reheat to increase from 30% to 50%, which means lower supply air temperatures and better comfort and ventilation effectiveness. The energy savings come from the fact that maximum airflow in deadband is being lowered from 30% to 20%. This saves fan energy, and cooling energy in deadband and also reduces the amount of time when the zone will be overcooled in deadband and forced into reheat.

This new exception will also alleviate a common problem where engineers feel compelled to violate the current 30% exception in order to provide adequate heating. In addition to poor comfort and ventilation effectiveness, high supply air temperatures also lead to short-circuiting. When hot supply air short circuits directly from the supply to the return the space takes longer to warm up, and may not warm up at all. Therefore, it is very common for designers and contractors to disregard the current 30% requirement and use 40% or 50% minimum flow setpoints to insure adequate heating. No one likes to disregard the code but if the choice is between code and comfort, comfort wins. The new exception allows users to achieve comfort, meet the code, and save energy at minimal cost.

Because not all zones have DDC controls and because this is a fairly significant shift in zone controls, the existing 30% exception is left in the standard. However, two clauses from the existing exception are deleted. The 0.4 cfm/ft² exception is deleted because it implies that a minimum air speed in the occupied space is required for comfort. ASHRAE Standard 55, however, indicates that no minimum air speed is required for comfort. Furthermore, 0.4 cfm/ft² does not guarantee any particular air speed because 0.4 cfm/ft² can be a small fraction (e.g. 10%) or a large fraction (e.g. 50%) of the design flow rate and thus can result in a low or high air speed. The 300 cfm exception is deleted because the situation that it was intended to address has been largely eliminated by the new 50% exception described above. This criterion was intended to address the following applications: the occasional small zone in a VAV reheat system for which 30% is insufficient to handle heating loads, such as spaces with large north facing glass areas.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and strikethrough (for deletions) unless the

BSR/ASHRAE/IESNA Addendum h to ANSI/ASHRAE/IESNA Standard 90.1-2007, *Energy Standard for Buildings Except Low-Rise Residential Buildings*
First Public Review Draft

instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.

Addendum h to 90.1-2007

Revise the Standard as follows (S-I and IP units)

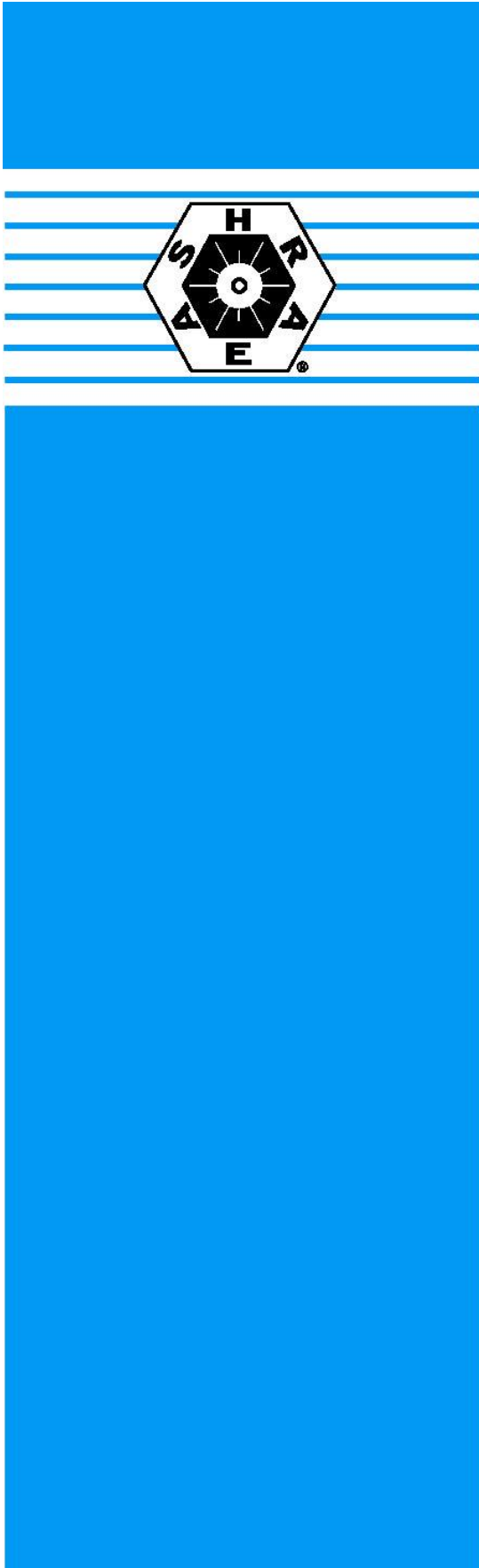
Revise exceptions to section 6.5.2.1 as follows

Exceptions to 6.5.2.1:

- a) ~~Zones for which the volume of air that is reheated, recooled, or mixed is no greater than the larger of the following:~~
1. ~~The volume of outdoor air required to meet the ventilation requirements of Section 6.2 of ASHRAE Standard 62.1 for the zone,~~
 2. ~~0.4 cfm/ft² [2L/s/m²] of the zone conditioned floor area,~~
 3. ~~30% of the zone design peak supply rate,~~
 4. ~~300 cfm [140L/s]— this exception is for zones whose peak flow rate totals no more than 10% of the total fan system flow rate,~~
 5. ~~Any higher rate that can be demonstrated, to the satisfaction of the authority having jurisdiction, to reduce overall system annual energy usage by offsetting reheat/recool energy losses through a reduction in outdoor air intake for the system.~~

Exceptions to 6.5.2.1:

- a) Zones for which the volume of air that is reheated, recooled, or mixed is less than the larger of the following
1. 30% of the zone design peak supply rate
 2. The volume of outdoor air required to meet the ventilation requirements of Section 6.2 of ASHRAE Standard 62.1 for the zone,
 3. Any higher rate that can be demonstrated, to the satisfaction of the authority having jurisdiction, to reduce overall system annual energy usage by offsetting reheat/recool energy losses through a reduction in outdoor air intake.
- b) Zones that comply with all of the following:
1. The volume of air that is reheated, recooled, or mixed in dead band between heating and cooling does not exceed the larger of the following:
 - a. 20% of the zone design peak supply rate,
 - b. the volume of outdoor air required to meet the ventilation requirements of Section 6.2 of ASHRAE Standard 62.1 for the zone,
 - c. any higher rate that can be demonstrated, to the satisfaction of the authority having jurisdiction, to reduce overall system annual energy usage by offsetting reheat/recool energy losses through a reduction in outdoor air intake.
 2. The volume of air that is reheated, recooled, or mixed in peak heating demand shall be less than 50% of the zone design peak supply rate
 3. Airflow between dead band and full heating or full cooling shall be modulated.
- b) Zones where special pressurization relationships, cross-contamination requirements, or code-required minimum circulation rates are such that variable air volume systems are impractical.
- d) Zones where at least 75% of the energy for reheating or for providing warm air in mixing systems is provided from a site-recovered (including condenser heat) or site- solar energy source.



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

Public Review Draft

ASHRAE® Standard

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

First Public Review (September 2007)
(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.

© March 16, 2007. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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

BSR/ASHRAE/IESNA Addendum j to ANSI/ASHRAE/IESNA Standard 90.1-2007, *Energy Standard for Buildings Except 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

This addendum is intended to update the mechanical test procedures and references in ASHRAE/IESNA Standard 90.1-2007. The proposed changes modify a reference in Table 6.8.1E, the normative references in Chapter 12 and informative references in Informative Appendix E. As used in Standard 90.1-2007 the proposed updates appear to be editorial, however ANSI procedures require this public review

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 j to 90.1-2007

Revise the Standard as follows (IP and SI units)

Modify Section 12, Normative References as follows

AMCA 500-D-98	Test Methods for Louvers, Dampers and Shutters
AMCE 500-D-07	Laboratory Methods of Testing Dampers for Rating
ANSI Z21.10.3- 1998 <u>2004</u>	Gas Water Heater, Volume 3, Storage, with Input Ratings above 75,000 Btu/h, Circulating and Instantaneous Water Heaters
ANSI Z21.47- 2004 <u>2006</u>	Gas-Fired Central Furnaces (Except Direct Vent and Separated Combustions System Furnaces)
ANSI Z21.83.8- 2002 <u>2006</u>	Gas Unit Heaters and Duct Furnaces
ANSI/AHAM RAC-1- 87 <u>2003</u>	Room Air Conditioners
ARI 210/240- 2003 <u>2006</u>	Unitary Air Conditioning and Air-Source Heat Pump Equipment
ARI 460- 2000 <u>2005</u>	Remote Mechanical Draft Air Cooled Refrigerant Condensers

BSR/ASHRAE/IESNA Addendum j to ANSI/ASHRAE/IESNA Standard 90.1-2007, *Energy Standard for Buildings Except Low-Rise Residential Buildings*
First Public Review Draft

ARI 550/590-98 2003 Water-Chilling Packages Using the Vapor Compression Cycle

UL 181A-94 2005 Closure Systems for Use with Rigid Air Ducts and Air Connectors

UL 181B-95 2006 Closure Systems for Use with Flexible Air Ducts and Air Connectors

ANSI/ASHRAE 146-4998 2006 Method of Testing for Rating Pool Heaters

Modify Informative Appendix E (Informative References) as follows:

Note: (This appendix 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.)

CRRC
Cool Roof Rating Council
1738 Excelsior Avenue
Oakland, CA 94602
(T) 866-465-2523
(T) 510-482-4420
(F) 510-482-4421
www.coolroofs.org

CRRC-1-~~2002~~ 2006 Cool Roof Rating Council Product Rating Program

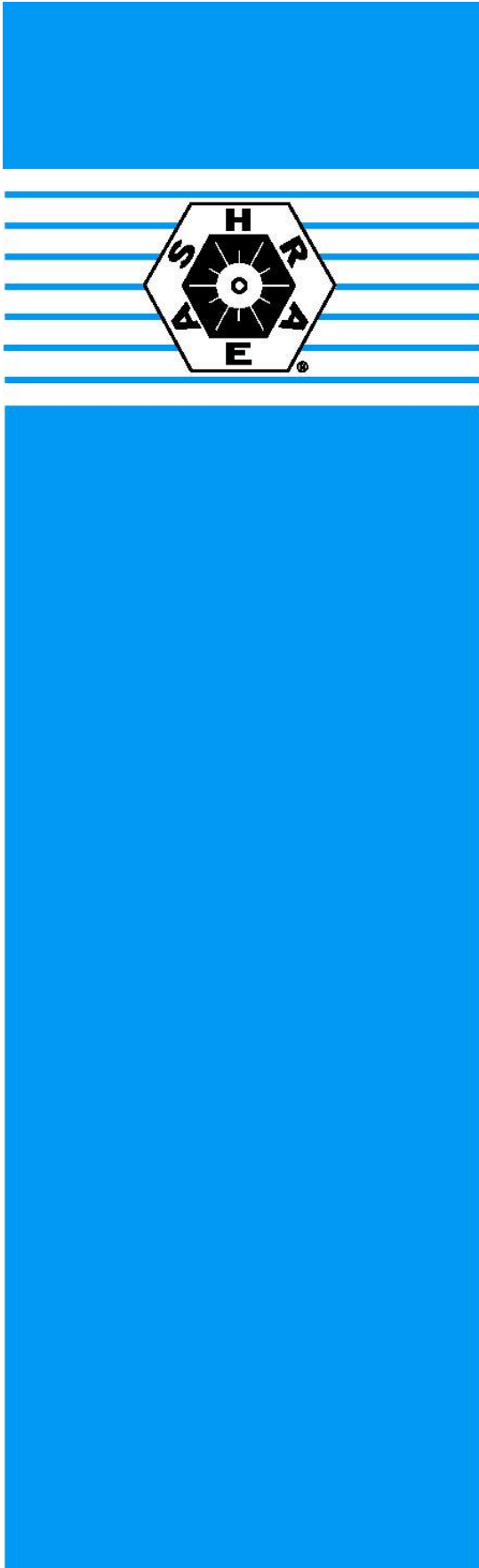
~~2004~~ 5 ASHRAE Handbook—*Fundamentals* ASHRAE

MICA Insulation Standards—1999 6th Edition National Commercial and Industrial Insulation Standards

SMACNA Duct Construction Standards—1995 2005 HVAC Duct Construction Standards, Metal and Flexible

~~2003~~ 7 ASHRAE Handbook—*HVAC Applications* Chapter 49, Service Water Heating/ASHRAE

AABC 2002 ~~Associated Air Balance Council Test and Balance Procedures~~ Associated Air Balance Council, National Standards for Total System Balance



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

Public Review Draft

ASHRAE® Standard

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

First Public Review (September 2007)
(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.

© March 16, 2007. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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

BSR/ASHRAE/IESNA Addendum n to ANSI/ASHRAE/IESNA Standard 90.1-2004, *Energy Standard for Buildings Except 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

Variable air volume fan control is currently required in the Standard for multiple zone systems. This proposal extends these requirements for large single zone units. Important aspects of this proposal include:

- *It applies to both unitary (packaged) equipment and chilled water air-handling units.*
- *It only applies to unit with a cooling capacity greater than or equal to 110,000 Btu/hr.*
- *The proposal can be met using either 2-speed motors or variable speed drives on the supply fan(s).*
- *The minimum speed requirement is set at 67% fan speed*
- *It does not take effect until 1/1/2012*

This proposal has achieved industry consensus through discussions with ARI's Large Unitary Engineering (ULE) Group. Three of the criteria were critical to achieving that consensus:

- *The lower threshold of 10 tons for unitary equipment*
- *The 2/3 minimum threshold for fan speed, and*
- *The delay in implementation to 2012*

The significance of the 2/3 minimum speed threshold is to prevent coil frosting on DX coils (particularly for those units that are face split). The reasoning behind the delay in implementation to 2012 is to allow the AC unit manufacturers time to redesign and test their AC units. All of the manufacturers are currently redesigning their lines to meet the 2010 phase out of certain refrigerants (HFCs). Some have already completed this work for certain product lines the volume of units being tested for refrigerant change outs is straining the available certified testing resources.

Although this requirement does not take effect until 2012, it is believed that manufacturers will begin introducing variable volume signal zone units in advance of that date. Utility rebate programs, LEED certification and other incentives should encourage wider demand for these units and will help this requirement to see real savings in advance of the 2012 date.

It should be noted that a second proposal is forthcoming to address the budget systems in the Energy Cost Budget Method (See table 11.3.2A) to make the budget systems 5, 6, 7, 9, and 11 consistent with the requirements of this proposal.

BSR/ASHRAE/IESNA Addendum n to ANSI/ASHRAE/IESNA Standard 90.1-2004, *Energy Standard for Buildings Except Low-Rise Residential Buildings*
First Public Review Draft

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 n to 90.1-2007

Include new item b in Section 6.3.2 as follows. Renumber subsequent section items as appropriate. (IP Units)

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

- (a) The system serves a single HVAC zone.
- (b) The equipment must meet the variable flow requirements of 6.4.3.10
- (c) Cooling (if any) shall be provided by a unitary packaged ...

Add new Section 6.4.3.10 as follows:

6.4.3.10 Single Zone Variable Air Volume Controls

Effective January 1, 2012 all air conditioning equipment and air-handling units with cooling capacity at ARI conditions greater than or equal to 110,000 Btu/hr that serve single zones shall have their supply fans controlled by two-speed motors or variable speed drives. The supply fan controls shall be able to reduce the airflow to less than or equal to the larger of the following:

- (a) Two-thirds of the full fan speed at low cooling demand., or
- (b) The volume of outdoor air required to meet the ventilation requirements of Standard 62.1.

Delete Table 11.3.2A in its entirety.

BSR/ASHRAE/IESNA Addendum n to ANSI/ASHRAE/IESNA Standard 90.1-2004, *Energy Standard for Buildings Except Low-Rise Residential Buildings*
First Public Review Draft

Include new item b in Section 6.3.2 as follows. Renumber subsequent section items as appropriate. (SI Units)

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

- (a) The system serves a single HVAC zone.
- (b) The equipment must meet the variable flow requirements of 6.4.3.10
- (c)~~(b)~~ Cooling (if any) shall be provided by a unitary packaged ...

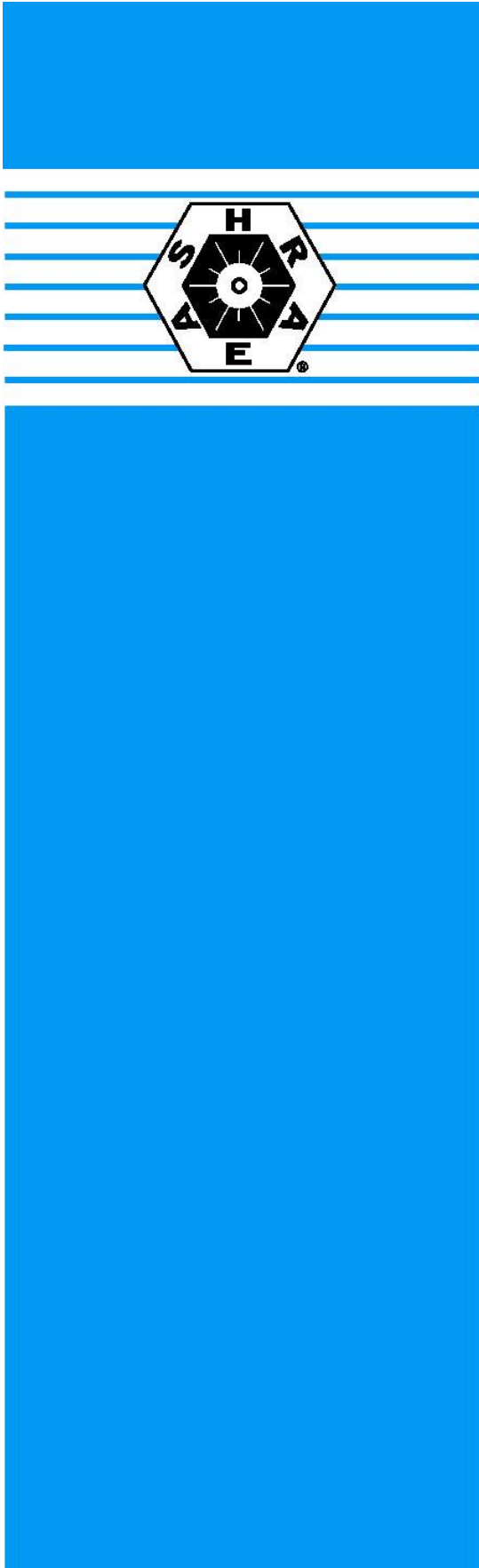
Add new Section 6.4.3.10 as follows:

6.4.3.10 Single Zone Variable Air Volume Controls

Effective January 1,2012 all air conditioning equipment and air-handling units with cooling capacity at ARI conditions greater than or equal to 32.3 kW that serve single zones shall have their supply fans controlled by two-speed motors or variable speed drives. The supply fan controls shall be able to reduce the airflow to less than or equal to the larger of the following:

- (a) Two-thirds of the full fan speed at low cooling demand., or
- (b) The volume of outdoor air required to meet the ventilation requirements of Standard 62.1.

Delete Table 11.3.2A in its entirety.



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

Public Review Draft

ASHRAE® Standard

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

First Public Review (September 2007)
(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.

© March 16, 2007. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

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

BSR/ASHRAE/IESNA Addendum q to ANSI/ASHRAE/IESNA Standard 90.1-2007, *Energy Standard for Buildings Except 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

This addendum modifies the vestibule requirements for Climate Zone 4.

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 q to 90.1-2007

Revise the Standard as follows (IP and SI units)

5.4.3.4 Vestibules. Building entrances that separate *conditioned space* from the exterior shall be protected with an enclosed vestibule, with all *doors* opening into and out of the vestibule equipped with self-closing devices. Vestibules shall be designed so that in passing through the vestibule it is not necessary for the interior and exterior *doors* to open at the same time. Interior and exterior *doors* shall have a minimum distance between them of not less than 7 ft when in the closed position. The exterior envelope of conditioned vestibules shall comply with the requirements for a conditioned space. The interior and exterior envelope of unconditioned vestibules shall comply with the requirements for a semiheated space.

Exceptions:

- (a) *Building entrances* with revolving *doors*.
- (b) *Doors* not intended to be used as a *building entrance*.
- (c) *Doors* opening directly from a *dwelling unit*.
- (d) *Building entrances* in buildings located in climate zone 1 or 2.
- (e) *Building entrances* in buildings located in climate zone 3 ~~or 4~~ that are less than four stories above grade and less than 10,000 ft² in area.
- (f) *Building entrances* in buildings located in climate zone 4, 5, 6, 7, or 8 that are less than 1000 ft² in area.
- (g) *Doors* that open directly from a *space* that is less than 3000 ft² in area and is separate from the *building entrance*.

BSR/ASME B16.20-200x

Rev. 06/29/07

TABLE 12 INNER RING INSIDE DIAMETERS FOR SPIRAL-WOUND GASKETS FOR USE WITH ASME B16.5 FLANGES							
Flange Size (NPS)	Pressure Class						
	150	300	400 (1)	600	900 (1)	1500	2500 (1)
1/2	14.2	14.2	...	14.2	...	14.2	14.2
3/4	20.6	20.6	...	20.6	...	20.6	20.6
1	26.9	26.9	...	26.9	...	26.9	26.9
1 1/4	38.1	38.1	...	38.1	...	33.3	33.3
1 1/2	44.5	44.5	...	44.5	...	41.4	41.4
2	55.6	55.6	...	55.6	...	52.3	52.3
2 1/2	66.5	66.5	...	66.5	...	63.5	63.5
3	81.0	81.0	...	81.0	78.7	78.7	78.7
4	106.4	106.4	102.6	102.6	102.6	97.8	97.8
5	131.8	131.8	128.3	128.3	128.3	124.5	124.5
6	157.2	157.2	154.9	154.9	154.9	147.3	147.3
8	215.9	215.9	205.7	205.7	196.9	196.9	196.9
10	268.2	268.2	255.3	255.3	246.1	246.1	246.1
12	317.5	317.5	307.3	307.3	292.1	292.1	292.1
14	349.3	349.3	342.9	342.9	320.8	320.8	...
16	400.1	400.1	389.9	389.9	374.7	368.3	...
18	449.3	449.3	438.2	438.2	425.5	425.5	...
20	500.1	500.1	489.0	489.0	482.6	476.3	...
24	603.3	603.3	590.6	590.6	590.6	577.9	...

GENERAL NOTES:

(a) All dimensions are in millimeters.

(b) The inner-ring thickness shall be 2.97 mm to 3.33 mm.

(c) For sizes NPS 1/2 through NPS 3, the inside diameter tolerance is +/- 0.8 mm: for larger sizes the inside diameter tolerance is +/- 1.5 mm. See Table 15 for minimum pipe wall thickness that are suitable for use with standard inner rings.

(d) Refer to para. 3.2.5 for required use of inner rings.

NOTES:

(1) There are no

(a) NPS 1/2 through NPS 3 Class 400 flanges; therefore, use Class 600 flanges

(b) NPS 1/2 through NPS 2-1/2 Class 900 flanges: therefore, use Class 1500 flanges

(c) NPS 14 and larger Class 2500 flanges

TENTATIVE
SUBJECT TO REVISION OR WITHDRAWAL
Specific Authorization Required for Reproduction or Quotation
ASME Codes and Standards

METALLIC GASKETS FOR PIPE FLANGES

ASME B16.20a-2000

Table I.12 ~~TABLE 12~~ INNER-RING INSIDE DIAMETERS FOR SPIRAL-WOUND GASKETS

(a)

Flange Size (NPS)	Pressure Class						
	150	300	400 (1)	600	900 (1, 2)	1500 (2, 3)	2500 (1-3)
1/2	0.56	0.56	...	0.56	...	0.56	0.56
3/4	0.81	0.81	...	0.81	...	0.81	0.81
1	1.06	1.06	...	1.06	...	1.06	1.06
1 1/4	1.50	1.50	...	1.50	...	1.31	1.31
1 1/2	1.75	1.75	...	1.75	...	1.63	1.63
2	2.19	2.19	...	2.19	...	2.06	2.06
2 1/2	2.62	2.62	...	2.62	...	2.50	2.50
3	3.19	3.19	...	3.10	3.10	3.10	3.10
4	4.19	4.19	4.04	4.04	4.04	3.85	3.85
5	5.19	5.19	5.05	5.05	5.05	4.90	4.90
6	6.19	6.19	6.10	6.10	6.10	5.80	5.80
8	8.50	8.50	8.10	8.10	7.75	7.75	7.75
10	10.56	10.56	10.05	10.05	9.69	9.69	9.69
12	12.50	12.50	12.10	12.10	11.50	11.50	11.50
14	13.75	13.75	13.50	13.50	12.63	12.63	...
16	15.75	15.75	15.35	15.35	14.75	14.50	...
18	17.69	17.69	17.25	17.25	16.75	16.75	...
20	19.69	19.69	19.25	19.25	19.00	18.75	...
24	23.75	23.75	23.25	23.25	23.25	22.75	...

GENERAL NOTES:

- (a) The inner-ring thickness shall be 0.117 in. to 0.131 in.
 (b) For sizes NPS 1 1/4 through NPS 3, the inside diameter tolerance is ± 0.03 in.; for larger sizes the inside diameter tolerance is ± 0.06 in. See Table 15 for minimum pipe wall thicknesses that are suitable for use with standard inner rings.

NOTES:

- (1) There are no
 (a) NPS 1/2 through NPS 3 Class 400 flanges; therefore, use Class 600 flanges
 (b) NPS 1/2 through NPS 2 1/2 Class 900 flanges; therefore, use Class 1500 flanges
 (c) NPS 14 and larger Class 2500 flanges
 (2) Inner rings are required for Class 900, NPS 24 gaskets; Class 1500, NPS 12 through NPS 24 gaskets; and Class 2500, NPS 4 through NPS 12 gaskets.
 (3) Refer to para. 3.2.5 for required use of inner rings.

ANSI Accreditation Services Department Announces New Pilot Program

ANSI is pleased to announce the launch of a new pilot accreditation program in response to market demand. This program will focus on ASME/CSA Standard for the following scopes:

- a) Elevator;
- b) Escalator

1) **Standards applicable to this pilot accreditation program**

- ASME A17.7-2007/CSA B44.7-07 Performance-based safety code for elevators and escalators
- ASME A17.7.1/CSA B44.7.1 General Requirements for Accredited Elevator/Escalator Certification Organizations

Note: A list of applicable standards for this program can be found on the website: (<http://www.asme.org>)

2) ANSI Accreditation Program requirements

- ANSI-ACP- CA-001: ANSI Policy and Criteria for Accreditation of Certification Programs
- ANSI-ACP-CA-002: ANSI Manual of Operations for Accreditation of Certification Programs
- ANSI-ACP-CA-003: ANSI Operating Procedures of the Accreditation Committee
- ISO/IEC Guide 65 - General requirements for bodies operating product certification systems
- IAF Guidance on the application of ISO/IEC Guide 65

ANSI will accept applications for the pilot program starting on September 17th , 2007 through November 17th , 2007. The certification bodies that submit applications to ANSI within the outlined timeframe will be assessed by ANSI and the ones that are found to comply with the accreditation requirements stated in this announcement will be accredited by the ANSI Accreditation Committee (ACC) as a batch.

To obtain an application, please send an e-mail to Reinaldo Figueiredo at: (rfigureir@ansi.org).

Before submitting an application, please ensure your organization can document the following as part of the Preliminary Letter of application:

1. **Confirmation of the third party status of the program.**

A third party is independent of the parties involved in certification, i.e., the supplier ("first party") interests and the purchaser ("second party") interests. Describe how the program sponsoring body qualifies as a third party, and describe the interests represented on the

- body's governing board. If the certification program operates under the direction of a managing committee, the interests represented on the committee should be identified along with a description of the committee's independence from the governing board if applicable.
2. **Proof of ownership of a certification mark and or certificate of conformity.**
Providing a copy of the U.S. Patent Office certificate of registration is one example of proof of ownership.
 3. **Proof of the publicly available documents describing the program.**
Provide copies of descriptive brochures, application forms, advertisements, etc.
 4. **Provide a brief description of the program, including a list of the standard(s) utilized and the identity of the inspection and laboratory body(s) if different from the certification body.**
If an outside inspection body(s) or testing laboratory(s) is used, identify it and describe the nature of its work in the certification program.

All four points cited above must be addressed before the application can proceed.

Please send completed applications to Reinaldo Figueiredo, Program Director, Product Certification Accreditation, ANSI 1819 L Street, NW, 6th Floor, Washington, DC 20036 or submit via e-mail to rfigureir@ansi.org.

ANSI Accreditation Services Department Announces New Pilot Program

ANSI is pleased to announce the launch of a new pilot accreditation program in response to market demand. This program will focus on British Retail Consortium (BRC) standard for the following scopes:

- a) Food Standard
- b) Consumer Products
- c) Packaging
- d) Storage
- e) Distribution and Non-GM

1) Standards applicable to this pilot accreditation program

- **BRC Global Standard Food – 2005**
- **BRC Global Standard – Consumer Products - 2006**
- **BRC/IoP Global Standard - Food Packaging and Other Packaging Materials - 2004**
- **BRC Storage and Distribution Standard -2006**
- **Technical Standard for the Supply of Identity Preserved Non-Genetically Modified Ingredients and Product - 2001**

Note: A list of applicable standards can be found on the website: (<http://www.brc.org.uk/standards/default.asp>)

2) ANSI Accreditation Program requirements

- ANSI-ACP- CA-001: ANSI Policy and Criteria for Accreditation of Certification Programs
- ANSI-ACP-CA-002: ANSI Manual of Operations for Accreditation of Certification Programs
- ANSI-ACP-CA-003: ANSI Operating Procedures of the Accreditation Committee
- ISO/IEC Guide 65 - General requirements for bodies operating product certification systems
- IAF guidance on the application of ISO/IEC Guide 65

ANSI will accept applications for the pilot program starting on September 17th, 2007 through November 17th, 2007. The certification bodies that submit applications to ANSI within the outlined timeframe will be assessed by ANSI and the ones that are found to comply with the accreditation requirements stated mentioned in this announcement will be accredited at the same time by the ANSI Accreditation Committee (ACC) as a batch.

To obtain an application, please send an e-mail to Reinaldo Figueiredo at: (rfigueir@ansi.org).

Before submitting an application, please ensure your organization can document the following as part of the Preliminary Letter of application:

1. **Confirmation of the third party status of the program.**
A third party is independent of the parties involved in certification, i.e., the supplier ("first party") interests and the purchaser ("second party") interests. Describe how the program sponsoring body qualifies as a third party, and describe the interests represented on the body's governing board. If the certification program operates under the direction of a managing committee, the interests represented on the committee should be identified along with a description of the committee's independence from the governing board if applicable.
2. **Proof of ownership of a certification mark and or certificate of conformity.**
Providing a copy of the U.S. Patent Office certificate of registration is one example of proof of ownership.
3. **Proof of the publicly available documents describing the program.**
Provide copies of descriptive brochures, application forms, advertisements, etc.
4. **Provide a brief description of the program, including a list of the standard(s) utilized and the identity of the inspection and laboratory body(s) if different from the certification body.**
If an outside inspection body(s) or testing laboratory(s) is used, identify it and describe the nature of its work in the certification program.

Describe how the program serves the public interest and the reasons why the user(s) place value on the program.

All four points cited above must be addressed before the application can proceed.

Please send completed applications to Reinaldo Figueiredo, Program Director, Product Certification Accreditation, ANSI 1819 L Street, NW, 6th Floor, Washington, DC 20036 or submit via e-mail to rfigureir@ansi.org.