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## American National Standards

### Call for comment on proposals listed

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

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

1. Order from the organization indicated for the specific proposal.
2. Use the full identification in your order, including the BSR prefix; for example, Electric Fuses BSR/SAE J554.
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: April 20, 2008

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

#### Supplements

BSR/ASHRAE 15g-200x, Safety Standard for Refrigeration Systems (supplement to ANSI/ASHRAE 15-2001)

Adds definitions for and clarifies the requirements of hydrostatic relief protection in Section 9.4.3. It was previously identified as Addendum a to ASHRAE 15-2004 and was open for public review in May 2005. It has been revised in response to comments received.

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

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#### Addenda

BSR/ASHRAE 34m-200x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)

Adds the refrigerant concentration limit (RCL) to the purpose and scope of ASHRAE Standard 34.

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

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BSR/ASHRAE 34n-200x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)

Adds R-435A, a new zeotropic refrigerant blend, to Table 2.

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

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BSR/ASHRAE 34o-200x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)

Adds R-510A, a new azeotropic refrigerant blend, to Table 2.

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

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BSR/ASHRAE 34p-200x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)

Adds R-436A, a new zeotropic refrigerant blend, to Table 2.

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

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BSR/ASHRAE 34q-200x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)

Adds R-436B, a new zeotropic refrigerant blend, to Table 2.

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

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BSR/ASHRAE 34r-200x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)

Adds R-437A, a new zeotropic refrigerant blend, to Table 2.

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

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BSR/ASHRAE 34s-200x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)

Revises the oxygen deprivation limit (ODL) adjustment for altitude by adding an intermediate adjustment at 1500m.

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

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BSR/ASHRAE 34u-200x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)

Revises clause 6.1.2 to clarify the intent, and adds a definition of OEL to section 3.

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

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BSR/ASHRAE 34v-200x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)

Modifies data for R-600 in Table E1 by adding an anesthetic NOEL of 130,000 and changing "Other" to 10,000.

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

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BSR/ASHRAE/IESNA 90.1f-200x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

In response to continuous maintenance proposals, expands the types of roofs shown by research to reduce the conduction loads through roofs into the conditioned space. This allows building design teams to select from a number of alternatives and reduce space loads, thereby reducing energy usage and cost. Further changes have been made as a result of an attempt to resolve comments received during the first public review period.

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

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BSR/ASHRAE/IESNA 90.1n-200x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

This is the second PR for addendum n (ISC).

- (1) Provides a lower fan turndown for units with chilled water cooling. The 2/3 fan speed in the original requirement was provided for DX cooling units to prevent coil freezing;
- (2) Steps up the implementation date for chilled water cooling units;
- (3) Retains ECB Table 11.3.2A, which was marked for deletion due to an error in Addendum n (the table was struck out in the motion as the committee wanted the ECB subcommittee to address the changes to Table 11.3.2A as a separate Addendum); and
- (4) Clarifies the threshold for "low cooling demand."

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

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BSR/ASHRAE/IESNA 90.1y-200x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

Adds a rating condition for heat pump pool heaters in Table 7.8.

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

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BSR/ASHRAE/IESNA 90.1aa-200x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

Adds space exceptions for automatic lighting controls.

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

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## ICC (International Code Council)

### New Standards

BSR/ICC 600-200x, Standard for Residential Construction in High Wind Regions (new standard)

Specifies prescriptive methodologies of wind-resistant design and construction details for buildings and other structures of wood-framed, steel-framed, concrete, or masonry construction sites in high-wind prone areas. This standard will provide prescriptive details for walls, floors, roofs, foundations, windows, doors, and other applicable components of construction.

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

Send comments (with copy to BSR) to: Edward Wirtschoreck, ICC;  
ewirtschoreck@iccsafe.org

## UL (Underwriters Laboratories, Inc.)

### Revisions

BSR/UL 458-200x, Standard for Power Converters/Inverters and Power Converter/Inverter Systems for Land Vehicles and Marine Crafts (revision of ANSI/UL 458-2007)

Revises the cigarette lighter inputs in 12.2.1.

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

Send comments (with copy to BSR) to: Megan VanHeirseele, UL-IL;  
Megan.M.VanHeirseele@us.ul.com

## Comment Deadline: May 5, 2008

## ASA (ASC S2) (Acoustical Society of America)

### New Standards

BSR/ASA S2.62-200x, Shock Test Requirements for Equipment in a Rugged Shock Environment (new standard)

Defines test requirements and severity thresholds for a large range of shock environments, including but not limited to shipping, transport, and rugged operational environments. This standard shall be used for testing equipment that will be subjected to shock. It will allow vendors to better market, and users to more easily identify, equipment that will operate or simply survive in rugged shock environments.

Single copy price: \$120.00

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[asastds@aip.org](mailto:asastds@aip.org)

Send comments (with copy to BSR) to: Same

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

### New Standards

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

This fourth public review of proposed Standard 170 makes independent substantive changes to the third public review draft in response to comments received. It clarifies the requirements for reserve cooling, air handling unit design, pressure alarms, exhaust discharges and revises minimum requirements for filter efficiencies and certain space temperatures/humidities. Co-sponsored by the American Society for Healthcare Engineering (ASHE), Standard 170 aims to ensure high-quality ventilation in health care facilities.

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BSR/ASHRAE Standard 171P-200x, Method of Testing Seismic Restraint Devices for HVAC&R Equipment (new standard)

Provides static-test procedures for determining the capacity of seismic restraints for heating, ventilating, air-conditioning, and refrigeration (HVAC&R) equipment. This standard applies to many types of seismic restraint devices, including cable restraints, combination isolator/restraints, seismic snubbers, and rigid bracing. This standard does not apply to seismic restraint devices made from non-ductile materials.

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BSR/ASHRAE Standard 182P-200x, Method of Testing Absorption Water-Chilling and Water-Heating Packages (new standard)

Prescribes a method of testing factory-designed packages used for chilling and/or heating water to verify capacity and thermal energy input requirements at a specified set of operating conditions. The test method is not intended for typical field installations, where steady-state conditions often cannot be achieved and proper instrumentation cannot be provided.

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## Revisions

BSR/ASHRAE 18-200x, Methods of Testing for Rating Drinking-Water Coolers with Self-Contained Mechanical Refrigeration (revision of ANSI/ASHRAE 18-2006)

Updates the 2006 edition to provide the rating information that was lost when ARI Standard 1010 was recently withdrawn. This information has been added in Table 2 of this standard. Minor editorial improvements have also been implemented. Standard 18 prescribes a method of testing for the cooling capacity and energy consumption of self-contained mechanically refrigerated drinking-water coolers.

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BSR/ASHRAE 120-200x, Method of Testing to Determine Flow Resistance of HVAC Ducts and Fittings (revision of ANSI/ASHRAE 120-1999)

Corrects some errors in the original edition of the standard and clarifies its language in places. Interested parties are invited to make suggestions for improving the standard during this public review period. First published in 1999, ASHRAE Standard 120 establishes uniform methods of laboratory testing of HVAC ducts and fittings to determine their resistance to airflow. The fitting losses, which are reported as local loss coefficients, are used to update and refine the ASHRAE Duct Fitting Database.

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BSR/ASHRAE 133P-200x, Method of Testing Direct Evaporative Air Coolers (revision of ANSI/ASHRAE 133P-2001)

This proposed revision makes two key changes to Standard 133-2001. First, it decreases the difference between the dry-bulb and wet-bulb temperatures from 25 to 20 F (14 to 11 C), thus increasing the times when testing could be accomplished using unconditioned air while still not reducing the accuracy of the test. Second, it provides better flexibility by no longer limiting temperature measurement to specific types of instruments as long as they meet the requirements of ASHRAE Standard 41.1. All references were updated, and ASHRAE Standard 41.2 (instead of 51) is referenced for measurement of airflow.

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## Supplements

BSR/ASHRAE 15c-200x, Safety Standard for Refrigeration Systems (supplement to ANSI/ASHRAE 15-2001)

Proposes to update Standard 15 to be consistent with the 2007 version of ASHRAE Standard 34. One of the more significant changes included in this standard is the removal of the existing Table 1 (refrigerant quantity limits) in Standard 15 with the appropriate references for required refrigerant concentration limits now being made directly to Tables 1 and 2 in ASHRAE Standard 34. This change is intended to remove any inconsistencies in refrigerant concentration limits or classifications between Standard 15 and Standard 34. Appendix C has been deleted in this addendum for the same reason.

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

This is the fourth public review of proposed Addendum b. It contains the following changes:

- adds new Event Log and Trend Log Multiple object types and harmonizes all Log objects;
- enables a device to provide notification that it has restarted and to periodically send time synchronization messages;
- provides a way to acknowledge alarms for which notifications were not received;
- allows MS/TP BACnet Data Expecting Reply frames to be broadcast;
- adds new Error Codes; and
- adds a new enumeration to Reliability properties.

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

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

This is the second public review of proposed Addendum h. It contains the following changes:

- changes the Command object's Device\_Busy property name to Busy;
- prevents overflow and underflow in the Pulse\_Converter object's Count property;
- adds context tags to the BACnetPropertyStates production;
- adds new BACnetEngineeringUnits;
- defines COV notification service Error returns;
- removes non-support for automatic cancellation of COV subscriptions;
- adds support for the UTF-8 character set; and
- adds even- and odd-day support to Dates.

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

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

This second public review of proposed Addendum i provides the first set extensions to support lighting control in BACnet. It defines a new Lighting Output Object type and adds support for breaker-tripped status to Analog and Binary Output objects. This second PR draft, presented in full, makes revisions to the first PR draft in response to comments received.

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

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

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

This is the second public review of proposed Addendum m. It contains the following changes:

- resolves ambiguities in Foreign Device registration;
- improves Clause 5 FillWindow timeouts;
- clarifies the GetEventEnrollment service Priority Filter parameter;
- supports alarm re-acknowledgement;
- adds Alarm and Event BIBB requirements;
- removes certain B-BC requirements;
- clarifies support of particular ReinitializeDevice restart choices;
- clarifies DeviceCommunicationsControl and ReinitializeDevice interactions; and
- defines "object."

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

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BSR/ASHRAE 135n-200x, BACnet - A Data Communication Protocol for Building Automation and Control Networks (supplement 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. This revised draft responds to comments reviewers made during the first public review of Addendum n.

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

Proposes ZigBee as a wireless data link layer for BACnet. It also removes the requirement that the I-Am message be broadcast, and it proposes a method to handle new data link layers with lengths greater than 6 octets, such as ZigBee and IPv6, in a method compatible with existing devices.

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

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

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BSR/ASHRAE 140a-200x, Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs (supplement to ANSI/ASHRAE 15-2001)

Updates Annex A2 and references to this Annex for changes made to the modeling notes S140outNotes.TXT file. S140outNotes.TXT is being updated to match the content and format of the modeling notes TXT file used for posting Standard 140 results on the DOE Tools Directory web site. This revised TXT file adds sections for software information and anomalous results. In addition, an examples file, S140outNotes\_Examples.TXT, is provided to illustrate how modeling notes information should be provided.

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**Addenda**

BSR/ASHRAE 34t-200x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)

Adds occupational exposure limits (OEL) for the refrigerants to Tables 1 and 2. Refrigerants 435A, 510A, 436A, 436B, and 437A are included in this public review; however, the addition of these refrigerants to the standard is currently out for public review in separate addenda. The addition of the OEL values for these refrigerants is dependent on subsequent approval for publication of proposed addenda 34n, o, p, q, and r, respectively. Composition tolerances for these refrigerants can be found in the appropriate public review draft.

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

Adds performance-based requirements 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. References to EPA sources for designers within the US have been clarified to increase the likelihood that all designers use the same monitored data to make decisions related to outdoor air cleaning. The allowable outdoor ozone level has been reduced. As a result, systems in approximately 350 counties in the US (all ozone non-attainment areas) would be required to use 40% ozone air cleaners; the current standard requires such air cleaners in fewer than 20 counties.

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

This Independent Substantive Review changes the proposed addendum in response to changes suggested by reviewers in comments submitted during the first public review. It includes changes to Table 6-1 and Table 6-4 as follows:

- Rates have been added for "occupiable storage rooms" that contain liquids and/or gels as well as for those that contain dry materials; and
- Minimum outdoor airflow rates for both electric and hydraulic elevator rooms have been removed from Table 6-1, but minimum exhaust airflow rates for each have been added to Table 6-4.

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BSR/ASHRAE/IESNA 90.1m-200x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

This is the second PR for addendum m (ISC). Footnote d was removed from Table 6.8.1C, and some modifications were made in response to comments for min and max water temperatures.

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BSR/ASHRAE/IESNA 90.1o-200x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

This is the second PR for addendum o (ISC). It modifies the requirements for dry-type transformers in response to comments.

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BSR/ASHRAE/IESNA 90.1ab-200x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

Adds new requirements for daylighting.

Single copy price: Free

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

BSR/ASHRAE/IESNA 90.1ac-200x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

Extends the control factors to other types of spaces when automatic, as opposed to manually operated, controls are employed. This is based on the assumption that automated control systems give a similar performance, irrespective of building type.

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BSR/ASHRAE/IESNA 90.1ad-200x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

Adds requirements for liquid-to-liquid heat exchangers.

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

BSR/ASHRAE/IESNA 90.1ae-200x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

Recommends adding a requirement for insulating the surfaces of radiant panels that do not face conditioned spaces.

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BSR/ASHRAE/IESNA 90.1af-200x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA 90.1-2007)

Attempts to correct the equivalent minimum efficiency requirement for hydronic systems by providing guidance for designers, contractors, and owners to properly size system piping to balance ongoing energy costs and first cost.

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**ASME (American Society of Mechanical Engineers)****Revisions**

BSR/ASME B31.3-200x, Process Piping (revision of ANSI/ASME B31.3-2006)

Prescribes requirements for materials and components, design, fabrication, assembly, erection, examination, inspection, and testing of piping typically found in petroleum refineries; chemical, pharmaceutical, textile, paper, semiconductor, and cryogenic plants; and related processing plants and terminals. This Code applies to piping for all fluids, including raw, intermediate, and finished chemicals; petroleum products; gas, steam, air, and water; fluidized solids; refrigerants; and cryogenic fluids.

Single copy price: \$70.00

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

Order from: Mayra Santiago, ASME; [ANSIBOX@asme.org](mailto:ANSIBOX@asme.org)

Send comments (with copy to BSR) to: Joseph Wendler, ASME; [wendlerj@asme.org](mailto:wendlerj@asme.org)

**ATIS (Alliance for Telecommunications Industry Solutions)****New Standards**

BSR ATIS 0300094-200x, Trouble Codes in Support of ATIS Trouble Administration Standards (new standard)

Defines an enumerated list of trouble type codes intended to be used in support for American National Standards for Trouble Administration.

Single copy price: \$58.00

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

Order from: Kerriane Conn, ATIS; [kconn@atis.org](mailto:kconn@atis.org)

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BSR ATIS 1000024-200x, US Standard for Signaling Security - UNI Access and Signaling (new standard)

Provides a roadmap view of a subtending suite of standard, technical reports, and requirements documents to provide a consistent set of baseline security recommendations for the control and signaling plane and identifies and specifies the appropriate security protocols, procedures, and practices to address the new threats to network security that arise from the signaling interconnection between an SS7 network and any other network.

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

Order from: Kerriane Conn, ATIS; [kconn@atis.org](mailto:kconn@atis.org)

Send comments (with copy to BSR) to: Same

**ICC (International Code Council)****New Standards**

BSR/ICC 500-200x, Design, Construction and Performance of Storm Shelters (new standard)

Provides technical design and performance criteria that will facilitate and promote the design, construction, and installation of safe, reliable, and economical storm shelters to protect the public. It is intended that this Standard be used by design professionals, storm shelter designers, manufacturers, and constructors, building officials, emergency management personnel, and government officials to ensure that storm shelters provide a consistently high level of protection to the sheltered public

Single copy price: Free

Obtain an electronic copy from: <http://www.iccsafe.org/cs/standards/is-stm/index.html>

Order from: Edward Wirtschoreck, ICC; [ewirtschoreck@iccsafe.org](mailto:ewirtschoreck@iccsafe.org)

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**IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)****New Standards**

BSR N42.44-200x, Performance of Checkpoint Cabinet X-Ray Imaging Security Systems (new standard)

Establishes standards for the technical performance of cabinet x-ray imaging systems used for screening at security checkpoints and other inspection venues. Hereinafter, systems covered by the scope of this standard are referred to as the system. This standard applies to x-ray imaging equipment with all of the following characteristics:

- Meets the definition of cabinet x-ray systems as given in 21 CFR 1020.40;
- Operates at or above 120 kV;
- Have tunnel nominal dimensions of up to 1.1 m x 1.1 m; and
- Provides a single-view direct-projection image as the primary image.

Single copy price: Free

Obtain an electronic copy from: [w.ash@ieee.org](mailto:w.ash@ieee.org)

Order from: Bill Ash, IEEE (ASC N42); [w.ash@ieee.org](mailto:w.ash@ieee.org)

Send comments (with copy to BSR) to: Same

BSR N42.46-200x, Determination of the Imaging Performance of X-Ray and Gamma-Ray Systems for Cargo and Vehicle Security Screening (new standard)

Determines the imaging performance of x-ray and gamma-ray systems utilized to inspect loaded or empty vehicles, including personal and commercial vehicles of any type; marine and air cargo containers of any size; railroad cars; and palletized or unpalletized cargo larger than 1 meter by 1 meter in cross-section. The standard applies to systems that are the following:

- single or multiple energy, source, or view;
- those that employ primary (i.e., transmission) and/or scatter (e.g., backscatter) radiation detection; and
- used to detect prohibited and controlled materials and/or to verify manifests.

Single copy price: Free

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Order from: Bill Ash, IEEE (ASC N42); [w.ash@ieee.org](mailto:w.ash@ieee.org)

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

BSR INCITS 440-200x, Information Technology - Card Durability / Service Life (new standard)

Defines a method to estimate the durability and service life performance of identification (ID) cards within specified application classes. An ID card is defined as a card identifying its holder and issuer, which may carry data required as input for the intended use of the card.

Single copy price: \$30.00

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Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS); [dspittle@itic.org](mailto:dspittle@itic.org);

**TIA (Telecommunications Industry Association)****New Standards**

BSR/TIA 455-3B-200x, Procedure to Measure Temperature Cycling Effects on Optical Fiber Units, Optical Cable, and Other Passive Fiber Optic Components (new standard)

Describes the procedure to measure temperature cycling effects on optical fiber units, optical cable, and other passive fiber optic components.

Single copy price: \$56.00

Obtain an electronic copy from: [global@ihs.com](mailto:global@ihs.com)

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BSR/TIA 568-C.0-200x, Generic Telecommunications Cabling for Customer Premises (new standard)

Specifies minimum requirements for generic telecommunications cabling. This standard specifies cabling requirements such as cabling distances, configurations, and topologies. It establishes technical criteria for various cabling systems.

Single copy price: \$112.00

Obtain an electronic copy from: [global@ihs.com](mailto:global@ihs.com)

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**Revisions**

BSR/TIA 568-C.1-200x, Commercial Building Telecommunications Cabling Standard (revision of ANSI/TIA 568-B.1-2001)

Specifies a generic telecommunications cabling system for commercial buildings that will support a multi-product, multi-vendor environment.

Single copy price: \$82.00

Obtain an electronic copy from: [global@ihs.com](mailto:global@ihs.com)

Order from: Global Engineering Documents; [www.global.ihs.com](http://www.global.ihs.com)

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**Addenda**

BSR/TIA 606-A-1-200x, Administration of Equipment Rooms and Data Center Computer Rooms (addenda to ANSI/TIA 606-A-2002)

Specifies administration for a generic cabling infrastructure to be deployed in computer rooms and equipment rooms.

Single copy price: \$61.00

Obtain an electronic copy from: [global@ihs.com](mailto:global@ihs.com)

Order from: Global Engineering Documents; [www.global.ihs.com](http://www.global.ihs.com)

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

BSR/UL 1310-200x, Standard for Safety for Class 2 Power Units (Proposal dated 3-21-08) (revision of ANSI/UL 1310-2005)

Proposals include:

- (1) power supplies used by travelers;
- (2) input blade requirements;
- (3) permissible power supply cords;
- (4) backfeed protection;
- (5) grounding & bonding;
- (6) output current test;
- (7) ceiling receptacles
- (8) impact test;
- (9) input current; and
- (10) marking clarification

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Send comments (with copy to BSR) to: Jonette Herman, UL-NC; [Jonette.A.Herman@us.ul.com](mailto:Jonette.A.Herman@us.ul.com)

BSR/UL 1699-200x, Standard for Safety for Arc-Fault Circuit-Interrupters, (Bulletin dated March 21, 2008) (revision of ANSI/UL 1699-2007)

- Eliminates AFCI trip during high-voltage conditioning cycle, carbonized path arc interruption test, using SPT-2 wire only with 60 degrees C rated insulation;
- corrects titles of Figure SA12.1 and Figure SA12.2; and
- defines what to do if arcing lasts less than the specified clearing time.

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Send comments (with copy to BSR) to: Edward Minasian, UL-NY; [Edward.D.Minasian@us.ul.com](mailto:Edward.D.Minasian@us.ul.com)

**Comment Deadline: May 20, 2008**

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

**ASME (American Society of Mechanical Engineers)****Reaffirmations**

BSR/ASME B18.6.1-1981 (R200x), Wood Screws (Inch Series) (reaffirmation of ANSI/ASME B18.6.1-1981 (R2003))

Covers the complete general and dimensional data for the various types of dotted and recessed head wood screws recognized as "American National Standard." Also includes appendices that provide specifications and instructions for penetration gaging and wobble gaging of recessed head screws; documentation for screw head types relegated to non-preferred status; and formulas on which dimensional data are based. It shall be understood, however that, where questions arise concerning acceptance of product, the dimensions given in the tables shall govern over recalculation by formula.

Single copy price: \$35.00

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

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BSR/ASME B18.6.3-2003 (R200x), Machine Screws and Machine Screw Nuts (reaffirmation of ANSI/ASME B18.6.3-2003)

Covers the complete general and dimensional data for the various types of slotted and recessed head machine screws and machine screw nuts recognized as American National Standard. Also included are appendices that provide specifications and instructions for the protrusion gaging of flat countersunk head screws; across-corners gaging of hex head screws; penetration gaging and wobble gaging of recessed head screws; wrench openings for hex and square products; thread dimensions for the No. 0000, No. 000, and No. 00 sizes; and formulas on which dimensional data are based. It shall be understood, however, that where questions arise concerning acceptance of product and the dimensions in the tables shall govern over recalculation by formula. The inclusion of dimensional data in this Standard is not intended to imply that all of the products described are stock production sizes. Consumers should consult with suppliers concerning the availability of products.

Single copy price: \$90.00

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BSR/ASME B73.2-2003 (R200x), Specifications for Vertical In-Line Centrifugal Pumps for Chemical Process (reaffirmation of ANSI/ASME B73.2-2003)

Covers motor-driven centrifugal pumps of vertical shaft, single-stage design with suction and discharge nozzles in line. It includes dimensional interchangeability requirements and certain design features to facilitate installation and maintenance. It is the intent of this Standard that pumps of the same standard dimension designation, from all sources of supply, shall be interchangeable with respect to mounting dimensions and size and location of suction and discharge nozzles.

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BSR/ASME B73.3-2003 (R200x), Specification for Sealless Horizontal End Suction Metallic Centrifugal Pumps for Chemical Process (reaffirmation of ANSI/ASME B73.3-2003)

Covers sealless centrifugal pumps of horizontal end suction single stage and centerline discharge design. This Standard includes dimensional interchangeability requirements and certain design features to facilitate installation and maintenance. It is the intent of this Standard that pumps of the same standard dimensional designation from all sources of supply shall be interchangeable with respect to mounting dimensions, size, and location of suction and discharge nozzles, input shafts, baseplates, and foundation bolt holes.

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## ASSE (ASC Z359) (American Society of Safety Engineers)

### New Standards

BSR/ASSE Z359.6-200x, Specifications and design requirements for active fall-protection systems (new standard)

This Standard is intended for engineers with expertise in designing fall-protection systems. It specifies requirements for the design and performance of complete active fall-protection systems, including travel-restraint and vertical and horizontal fall-arrest systems.

Single copy price: \$55.00

Order from: Timothy Fisher, ASSE (Z590); [TFisher@ASSE.Org](mailto:TFisher@ASSE.Org)

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BSR/ASSE Z359.12-200x, Connecting Components for Personal Fall Arrest Systems (new standard)

Establishes requirements for the performance, design, marking, qualification, test methods and removal from service of connectors.

Single copy price: \$55.00

Order from: Timothy Fisher, ASSE (Z590); [TFisher@ASSE.Org](mailto:TFisher@ASSE.Org)

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## CSA (3) (CSA America, Inc.)

### Revisions

BSR Z21.1b-200x, Household Cooking Gas Appliances (revision of ANSI Z21.1b-2003)

Details test and examination criteria for household cooking appliances for use with natural manufactured and mixed gases, liquefied petroleum gases and LP gas-air mixtures. The standard defines a household cooking gas appliance as an appliance for domestic food preparation, providing at least one function of (1) top or surface cooking, (2) oven cooking or (3) broiling.

Single copy price: \$50.00

Order from: Allen Callahan, CSA; [al.callahan@csa-america.org](mailto:al.callahan@csa-america.org)

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BSR Z21.47b-200x, Gas-Fired Central Furnaces (Same as CSA 2.3b) (revision of ANSI Z21.47-2006 and ANSI Z21.47a-2007)

Details test and examination criteria for automatically operating gas-fired central furnaces for use with natural, manufactured, and mixed gases; LP gases; and LP gas-air mixtures. Central furnaces are designed to supply heated air through ducts to building spaces remote from or adjacent to the appliance location. Central furnaces are intended for installation in residential, commercial and industrial structures including Direct Vent, Recreational Vehicle, Outdoor and Manufactured (Mobile) Home.

Single copy price: \$50.00

Order from: Allen Callahan, CSA; [al.callahan@csa-america.org](mailto:al.callahan@csa-america.org)

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BSR Z83.18b-200x, Recirculating Direct Gas-Fired Industrial Air Heaters (revision of ANSI Z83.18-2004 and ANSI Z83.18a-2005)

Details test and examination criteria for direct gas-fired industrial air heaters of the Recirculating type, for use with natural, manufactured and mixed gases; liquefied petroleum gases; and LP gas-air mixtures. A direct gas-fired industrial air heater of the Recirculating type is described in the standard as a heater whose purpose is to offset building heat loss. Ventilation air to the heater shall be ducted directly from outdoors and the products of combustion generated by the heater are released into the air stream being heated. Inside air may be introduced before or after the combustion zone.

Single copy price: \$50.00

Order from: Allen Callahan, CSA; [al.callahan@csa-america.org](mailto:al.callahan@csa-america.org)

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### Addenda

ANSI Z21.57b-200x, Recreational Vehicle Cooking Gas Appliances (addenda to ANSI Z21.57-2005 and ANSI Z21.57a-2007)

Details test and examination criteria for recreational vehicle cooking gas appliances for use with liquefied petroleum gases or for use with natural gas convertible for use with liquefied petroleum gases. This standard defines a recreational vehicle cooking gas appliance as an appliance for domestic food preparation, providing at least one function of (1) top or surface cooking, (2) oven cooking or (3) broiling and having design features enabling it to meet the special conditions connected for use in a recreational vehicle.

Single copy price: \$50.00

Order from: Allen Callahan, CSA; [al.callahan@csa-america.org](mailto:al.callahan@csa-america.org)

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BSR Z21.41b-200x, American National Standard/CSA Standard for Quick Disconnect Devices for Use with Gas Fuel Appliances (Same as CSA 6.9b) (addenda to ANSI Z21.41-2003 and ANSI Z21.41a-2004)

Details test and examination criteria for hand-operated devices that provide means for connecting and disconnecting gas-fired appliances or gas appliance connectors to gas supplies and that are for use under indoor or outdoor applications. These devices are equipped with automatic means to shut off gas flow when disconnected.

Single copy price: \$50.00

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## Projects Withdrawn from Consideration

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

### **NFPA2 (National Fluid Power Association)**

BSR/(NFPA) T2.13.8-200x, Hydraulic fire resistant fluids - Definitions, classifications, and testing (new standard)

BSR/(NFPA) T3.10.4R1-200x, Hydraulic fluid power - Filters and separators - Graphic symbols supplement (new standard)

### **NSF (NSF International)**

BSR/NSF 309-200x, Sustainable Agriculture (new standard)

## Draft Standards for Trial Use

In accordance with Annex B: Draft American National Standards for trial use of the ANSI Essential Requirements, the availability of the following draft standard for trial use is announced:

### **Trial use period: March 10, 2008 through February 10, 2010**

#### **HL7 (Health Level Seven)**

BSR/HL7 V3 CDAR2 HAIRPT R-200x, HL7 Implementation Guide for CDA Release 2; NHSN Healthcare Associated Infection (HAI) Reports, Release 1 (TRIAL USE STANDARD) (trial use standard)

Specifies a standard for electronic submission of Healthcare Associated Infection (HAI) Reports to the National Healthcare Safety Network (NHSN) of the Centers for Disease Control and Prevention (CDC). This Draft Standard for Trial Use (DSTU) defines the overall approach and method of electronic submission and develops a set of appendices defining specific HAI report types. As reports are modified and new report types are defined, additional appendices will be developed and published by CDC and HL7.

Single copy price: Free

Obtain an electronic copy from:

[http://www.hl7.org/documentcenter/ballots/2007NOV/support/DSTU\\_Templates.zip](http://www.hl7.org/documentcenter/ballots/2007NOV/support/DSTU_Templates.zip)

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# 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.

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Web: www.ashrae.org

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New York, NY 10016  
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Web: www.asse.org

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Fax: 202-347-7125  
Web: www.atis.org

### **comm2000**

1414 Brook Drive  
Downers Grove, IL 60515

### **CSA**

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Cleveland, OH 44131-5575  
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Fax: (303) 379-2740

### **HL7**

Health Level Seven  
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Fax: (734) 677-6622  
Web: www.hl7.org

### **ICC**

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Country Club Hills, IL 60478-5795  
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### **IEEE (ASC N42)**

ASC N42  
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American Society of Heating,  
Refrigerating and  
Air-Conditioning Engineers, Inc.  
1791 Tullie Circle, N.E.  
Atlanta, GA 30329  
Phone: (404) 636-8400  
Fax: (404) 321-5478  
Web: [www.ashrae.org](http://www.ashrae.org)

### **ASME**

American Society of Mechanical  
Engineers  
3 Park Avenue, 20th Floor  
New York, NY 10016  
Phone: (212) 591-8460  
Fax: (212) 591-8501  
Web: [www.asme.org](http://www.asme.org)

### **ASSE (Z590)**

American Society of Safety  
Engineers  
1800 East Oakton Street  
Des Plaines, IL 60018-2187  
Phone: (847) 768-3411  
Fax: (847) 296-9221  
Web: [www.asse.org](http://www.asse.org)

### **ATIS**

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

### **CSA**

CSA International  
8501 East Pleasant Valley Road  
Cleveland, OH 44131-5575  
Phone: (216) 524-4990  
Fax: (216) 642-3463  
:

### **HL7**

Health Level Seven  
3300 Washtenaw Avenue  
Suite 227  
Ann Arbor, MI 48104-4250  
Phone: (734) 677-7777 x104  
Fax: (734) 677-6622  
Web: [www.hl7.org](http://www.hl7.org)

### **ICC**

International Code Council  
4051 West Flossmoor Road  
Country Club Hills, IL 60478-5795  
Phone: (888) 422-7233  
Fax: (800) 214-7167  
Web: [www.iccsafe.org/index.html](http://www.iccsafe.org/index.html)

### **IEEE (ASC N42)**

ASC N42  
445 Hoes Lane, PO Box 1331  
Piscataway, NJ 08855-1331  
Phone: (732) 465-5828  
Fax: (732) 796-6966  
Web: [www.ieee.org](http://www.ieee.org)

### **ITI (INCITS)**

INCITS Secretariat/ITI  
1250 Eye Street, NW, Suite 200  
Washington, DC 20005-3922  
Phone: (202) 626-5746  
Fax: (202) 638-4922  
Web: [www.incits.org](http://www.incits.org)

### **TIA**

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

### **UL**

Underwriters Laboratories Inc.  
333 Pfingsten Road  
Northbrook, IL 60062  
Phone: 847-664-2881  
Fax: 847-313-2881  
Web: [www.ul.com/](http://www.ul.com/)

### **UL-NC**

Underwriters Laboratories, Inc.  
12 Laboratory Drive  
Research Triangle Park, NC  
27709  
Phone: (919) 549-1400 x11479  
Fax: (919) 547-6179

### **UL-NY**

Underwriters Laboratories, Inc.  
1285 Walt Whitman Road  
Melville, NY 11747-3081  
Phone: (631) 271-6200 x23305  
Fax: (631) 439-6021

# Call for Members (ANS Consensus Bodies)

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

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## **ASABE (American Society of Agricultural and Biological Engineers)**

**Office:** 2950 Niles Road  
St Joseph, MI 49085

**Contact:** *Carla VanGilder*

**Phone:** (269) 429-0300

**E-mail:** vangilder@asabe.org

BSR/ASABE S604-200x, Safety for Power Take-Off (PTO), Implement Input Driveline (IID), Implement Input Connection (IIC), and Auxiliary Power Take-Off (Aux. PTO) (new standard)

## **ASSE (ASC Z359) (American Society of Safety Engineers)**

**Office:** 1800 East Oakton Street  
Des Plaines, IL 60018-2187

**Contact:** *Timothy Fisher*

**Phone:** (847) 768-3411

**Fax:** (847) 296-9221

**E-mail:** TFisher@ASSE.Org

BSR/ASSE Z359.8-200x, Safe Practices for Rope Access Work (new standard)

## **MHI (Material Handling Industry)**

**Office:** 8720 Red Oak Blvd., Suite 201  
Charlotte, NC 28217-3992

**Contact:** *Michael Ogle*

**Phone:** (704) 676-1190

**Fax:** (704) 676-1199

**E-mail:** mogle@mhia.org

BSR MH28.3-200x, Design, Manufacture, and Installation of Industrial Steel Work Platforms (new standard)

# Final actions on American National Standards

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

## ASME (American Society of Mechanical Engineers)

### Reaffirmations

ANSI/ASME B16.50-2001 (R2008), Wrought Copper and Copper Alloy Braze-Joint Pressure Fittings (reaffirmation of ANSI/ASME B16.50-2001): 3/18/2008

ANSI/ASME N509-2002 (R2008), Nuclear Power Plant Air-Cleaning Units And Components (reaffirmation of ANSI/ASME N509-2002): 3/13/2008

## AWS (American Welding Society)

### New Standards

ANSI/AWS C7.4/C7.4M-2008, Process Specification and Operator Qualification for Laser Beam Welding (new standard): 3/13/2008

## EIA (Electronic Industries Alliance)

### Revisions

ANSI/EIA 364-20D-2008, Withstanding Voltage Test Procedure for Electrical Connectors, Sockets and Coaxial Contacts (revision of ANSI/EIA 364-20C-2004): 3/18/2008

## HIBCC (Health Industry Business Communications Council)

### New Standards

ANSI/HIBCC 3.0-2008, Positive Identification for Patient Safety - Part 1: Medication Delivery (new standard): 3/13/2008

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

### New National Adoptions

INCITS/ISO/IEC 1539-1-2007, Information technology - Programming languages - Fortran - Part 1: Base language (identical national adoption and revision of INCITS/ISO/IEC 1539-1:1997): 3/10/2008

## UL (Underwriters Laboratories, Inc.)

### Reaffirmations

ANSI/UL 2333-2003 (R2008), Standard for Safety for Infrared Thermometers (reaffirmation of ANSI/UL 2333-2003): 3/18/2008

### Revisions

ANSI/UL 199-2008, Standard for Safety for Automatic Sprinklers for Fire-Protection Service (revision of ANSI/UL 199-2003): 2/27/2008

ANSI/UL 499-2008, Standard for Safety for Electric Heating Appliances (revision of ANSI/UL 499-2005): 3/5/2008

ANSI/UL 499-2008, Standard for Safety for Electric Heating Appliances (revision of ANSI/UL 499-2005): 3/5/2008

ANSI/UL 499-2008, Standard for Safety for Electric Heating Appliances (revision of ANSI/UL 499-2005): 3/5/2008

ANSI/UL 1077-2008, Standard for Safety for Supplementary Protectors for Use in Electrical Equipment (Proposal dated January 4, 2008) (revision of ANSI/UL 1077-2006): 3/4/2008

ANSI/UL 1626-2008, Standard for Safety for Residential Sprinklers for Fire Protection Service (revision of ANSI/UL 1626-2003): 3/11/2008

ANSI/UL 1767-2008, Standard for Safety for Early-Suppression Fast-Response Sprinklers (revision of ANSI/UL 1767-2005): 2/27/2008

# Project Initiation Notification System (PINS)

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

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

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

## API (American Petroleum Institute)

**Office:** 1220 L Street, N.W.  
Washington, DC 20005

**Contact:** Carriann Kuryla

**Fax:** (202) 962-4797

**E-mail:** [kurylac@api.org](mailto:kurylac@api.org)

BSR/API RP 17B/ISO 13628-11-200x, Recommended Practice for Flexible Pipe (identical national adoption of 13628-11)

Stakeholders: Manufacturers and users of flexible pipe.

Project Need: To create one industry standard on flexible pipe, replacing current API 17B.

Provides guidelines for the design, analysis, manufacture, testing, installation and operation of flexible pipes and flexible pipe systems for onshore, subsea and marine applications.

BSR/API Spec 17J/ISO 13628-2-200x, Specification for Unbonded Flexible Pipe (identical national adoption of ISO 13628-2)

Stakeholders: Manufacturers and users of unbonded flexible pipe.

Project Need: To create one industry standard on unbonded flexible pipe and replace current edition of API Spec 17J.

Defines the technical requirements for safe, dimensionally and functionally interchangeable flexible pipes that are designed and manufactured to uniform standards and criteria. Minimum requirements are specified for the design, material selection, manufacture, testing, marking and packaging of flexible pipes, with reference to existing codes and standards where applicable. This standard applies to unbonded flexible pipe assemblies, consisting of segments of flexible pipe body with end fittings attached to both ends.

## ASABE (American Society of Agricultural and Biological Engineers)

**Office:** 2950 Niles Road  
St Joseph, MI 49085

**Contact:** Carla VanGilder

**E-mail:** [vangilder@asabe.org](mailto:vangilder@asabe.org)

BSR/ASABE S604-200x, Safety for Power Take-Off (PTO), Implement Input Driveline (IID), Implement Input Connection (IC), and Auxiliary Power Take-Off (Aux. PTO) (new standard)

Stakeholders: Agricultural machinery/implement manufacturers.

Project Need: To replace Section 10 of ANSI/ASAE S318.16. The section is being removed to become a stand-alone standard for eventual alignment with ISO 5673.

Presents a guide to provide a reasonable degree of personal safety for operators and other persons during normal operation and servicing of the power take-off (PTO) drive shafts of a tractor or self-propelled machine used in agriculture and the implement-input connection (IIC) of its implement. It is applicable only to those PTO drive shafts and guards mechanically linked to the shaft by at least two bearings.

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

**Office:** 1791 Tullie Circle NE  
Atlanta, GA 30329

**Contact:** Stephanie Reiniche

**E-mail:** [sreiniche@ashrae.org](mailto:sreiniche@ashrae.org); [cramspeck@ashrae.org](mailto:cramspeck@ashrae.org);

BSR/ASHRAE 150-200x, Method of Testing the Performance of Cool Storage Systems (revision of ANSI/ASHRAE 150P-2000 (R2004))

Stakeholders: Design engineers and commissioning agents.

Project Need: To prescribe a uniform set of testing procedures.

Covers cool storage systems composed of chillers, storage medium, storage device or vessel, heat sink equipment or heat sink systems, and other auxiliary equipment required to provide a complete and working system. This standard includes the following:

- (a) a uniform method of testing;
- (b) identification of test equipment for performing such tests;
- (c) identification of data required and calculations to be used; and
- (d) definitions and terminology.

This standard does not cover testing of the air side distribution.

## ASME (American Society of Mechanical Engineers)

**Office:** 3 Park Avenue, 20th Floor (20N2)  
New York, NY 10016

**Contact:** Mayra Santiago

**Fax:** (212) 591-8501

**E-mail:** [ANSIBOX@asme.org](mailto:ANSIBOX@asme.org)

BSR/ASME B18.16.4-200x, Serrated Hex Flange Nuts (Inch Series) (new standard)

Stakeholders: Users, manufacturers, distributors, consultants, and government.

Project Need: To provide an American National Standard covering this product.

Covers the general, dimensional, and mechanical performance data for inch series serrated flange nuts.

**ASSE (ASC Z359) (American Society of Safety Engineers)**

**Office:** 1800 East Oakton Street  
Des Plaines, IL 60018-2187

**Contact:** *Timothy Fisher*

**Fax:** (847) 296-9221

**E-mail:** [TFisher@ASSE.Org](mailto:TFisher@ASSE.Org)

BSR/ASSE Z359.8-200x, Safe Practices for Rope Access Work (new standard)

Stakeholders: Safety, health, and environmental professionals.

Project Need: To act on the consensus of the ASC Z359 during meetings.

Sets forth accepted practices for rope access work. This document does not apply to emergency response or emergency response training.

**ASTM (ASTM International)**

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

**Contact:** *Helene Skloff*

**E-mail:** [hskloff@astm.org](mailto:hskloff@astm.org); [cleonard@astm.org](mailto:cleonard@astm.org)

BSR/ASTM Z4327Z/WK18680-200x, Determination of Cooling Characteristics for Aluminum Alloys by Cooling Curve Analysis (new standard)

Stakeholders: Petroleum products and lubricants industry.

Project Need: To describe the equipment and the procedure for evaluation of quenching characteristics of aqueous polymer quenchants by cooling rate determination.

Provides information, without specific limits, for selecting standard test methods for evaluating heat transfer fluids for quality and aging. These test methods are considered particularly useful in characterizing biodegradable heat transfer fluids in closed systems.

**ASTM (ASTM International)**

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

**Contact:** *Jeff Richardson*

**Fax:** 610-834-7067

**E-mail:** [jrichard@astm.org](mailto:jrichard@astm.org)

BSR/ASTM Z4265Z/WK18151-200x, Determination of Dynamic Viscosity and Derived Kinematic Viscosity of Liquids by Oscillating Piston Viscometer. (new standard)

Stakeholders: Petroleum products and lubricants industry.

Project Need: To create a standard for the Oscillating Piston Method as requested in letters from several users documenting an urgent need in the petroleum industry.

Covers the measurement of dynamic viscosity and derivation of kinematic viscosity of liquids, such as new and in-service lubricating oils, by means of an oscillating piston viscometer.

BSR/ASTM Z4313Z/WK18531-200x, Evaluation of Biodegradable Heat Transfer Fluids (new standard)

Stakeholders: Petroleum products and lubricants industry.

Project Need: The significance of each test method will depend upon the system in use and the purpose of the test method. Use the most recent editions of ASTM test methods.

Provides information, without specific limits, for selecting standard test methods for evaluating heat transfer fluids for quality and aging. These test methods are considered particularly useful in characterizing biodegradable heat transfer fluids in closed systems.

BSR/ASTM Z4346Z/WK18917-200x, Fire-Resistive Wall Continuity Systems (new standard)

Stakeholders: Fire standards industry.

Project Need: To specify the heating conditions, methods of test, and criteria to establish a re-resistive rating for a joint system installed between a fire-resistive rated wall assembly and a non-fire-resistive rated ceiling, floor, or roof assembly.

Measures the performance of a unique fire-resistive joint system called a fire-resistive wall-continuity system, which are designed to be used between a fire-resistive rated wall assembly and a non fire-resistive rated ceiling, floor or roof assembly during a retest.

**ATIS (Alliance for Telecommunications Industry Solutions)**

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

**Contact:** *Kerriane Conn*

**Fax:** 202-347-7125

**E-mail:** [kconn@atis.org](mailto:kconn@atis.org)

BSR ATIS 1000028-200x, IP Device (SIP UA) to Network Interface Standard (new standard)

Stakeholders: Telecommunications industry.

Project Need: To create a specification that applies to SIP UA associated with an individual SIP device as well as to a SIP UA associated with a SIP PBX. From the perspective of this specification, a SIP UA connects to a service provider network either directly, or via a SIP PBX.

The specification of the SIP UNI in this document is based on a standard SIP User Agent (UA) connected to a Service Provider Network composed of standard SIP components (SIP proxies, etc.). Depending on the service scenario, the SIP US can interact directly with an Application Server, or with another SIP UA via SIP Application Server. The SIP implements standard SIP session control mechanisms for initiating sessions, and for responding to invites from another SIP UA or Application Server. Services are implemented in the SIP UA, in the Application Server or in a combination of the SIP UA and Application Server.

BSR ATIS 1000029-200x, NGN Security Requirements (new standard)

Stakeholders: Telecommunications industry.

Project Need: To create a standard that provides security requirements for the NGN and its interfaces.

Provides network-based security of end-user communications across multiple-network administrative domains. Security of customer assets and information in the customer domain, and the use of peer-to-peer application capabilities on customer equipment are not within the scope of this standard.

**CEA (Consumer Electronics Association)**

**Office:** 1919 S. Eads Street  
Arlington, VA 22202

**Contact:** *Leslie King*

**Fax:** (703) 907-7601

**E-mail:** [lking@ce.org](mailto:lking@ce.org); [Carce@ce.org](mailto:Carce@ce.org)

BSR/CEA 2030-A-200x, Multi-Room Audio Cabling Standard (revision of ANSI/CEA 2030-2005)

Stakeholders: Consumer electronics industry, home builders, installers, retailers, and consumers.

Project Need: To revise ANSI/CEA 2030.

Defines cabling and connectors for use in distributing analog and digital audio signals throughout a home. The revision will include a section on documentation and labeling that will help the installer to label installations, wiring and equipment. The new section will also provide guidance to the installer for developing service information and product documents for the end user.

**IEEE (Institute of Electrical and Electronics Engineers)**

**Office:** 445 Hoes Lane  
Piscataway, NJ 08854

**Contact:** Lisa Yacone

**Fax:** 732-562-1571

**E-mail:** l.yacone@ieee.org

**BSR/IEEE 1505-200x, Standard for Receiver Fixture Interface (revision of ANSI/IEEE 1505-2006)**

Stakeholders: Military and aerospace owners of large quantities of ATE systems, commercial organizations/users.

Project Need: To provide additional detail to support multiple tier configurations of the RFI. Additional detail is also needed for human factors and physical engagement issues. Additional connector options need to be added to take advantage of technology advances and provide additional capability.

Develops a common receiver/fixture interface (RFI) specification that is based upon available commercial standards integrated under a common "open" architecture. This mechanical/electrical interface is intended to serve government/commercial interest for applications in test, system integration, manufacturing, monitoring, and other functional requirements that demand large contact densities and quick-disconnect mechanical operation.

**BSR/IEEE 1549-200x, Standard for Microwave Filter Definitions (new standard)**

Stakeholders: Designers, manufacturers, and users of microwave

Project Need: To provide compatible standards and publications on microwave filter design for all microwave students, engineers, and professionals.

Provides the definitions for microwave filter term standard.

**BSR/IEEE 1667-200x, Standard Protocol for Authentication in Host Attachments of Transient Storage Devices (revision of ANSI/IEEE 1667-2006)**

Stakeholders: Chip manufacturers or vendors, operating system and enterprise security application vendors.

Project Need: Creates an authentication procedure for the use of personal/portable storage devices, such as USB flash drives, externally connected hard drives, etc. This standard will act to ensure the security of the enterprise using these devices while allowing a continued robust market and a convenient method of transporting information for the user.

Defines a standard protocol for secure authentication and creation of trust between a secure host and a directly attached Transient and other Storage Devices, such as a USB flash drive, portable hard drive, or cellular phone. The protocol has only an indirect relationship with data integrity/security, and does not directly address issues of authorization and enforcement. The protocol also does not address devices that are attached using a network connection. However, a device that uses a point-to-point wireless connection, such as WUSB, may comply with this protocol.

**BSR/IEEE 1680.1-200x, Standard for Environmental Assessment of Personal Computer Products, including Laptop Computers, Desktop Personal Computers, and Personal Computer Monitors (new standard)**

Stakeholders: Public and private institutional purchasers, consumers, electronic product manufacturers, trade associations.

Project Need: To provide environmental criteria and other materials that relate specifically to personal computer products.

Defines environmental performance standards for personal computer products, including desktop computers, notebook computers, and computer monitors, relating to reduction or elimination of environmentally sensitive materials, materials selection, design for end-of-life, lifecycle extension, energy conservation, end-of-life management, corporate performance, and packaging.

**BSR/IEEE 1680-200x, Standard for Environmental Assessment of Electronic Products (new standard)**

Stakeholders: Public and private institutional purchasers, consumers, electronic product manufacturers, trade associations.

Project Need: To provide a comprehensive standard for evaluating environmental attributes of electronic products.

Defines key concepts and implementation procedures relating to reduction or elimination of environmentally sensitive materials, materials selection, design for end-of-life, life cycle extension, energy conservation, end-of-life management, corporate performance and packaging.

**BSR/IEEE 1707-200x, Recommended Practice for the Investigation of Events at Nuclear Facilities (new standard)**

Stakeholders: Event investigation practitioners and managers at nuclear facilities, regulatory and other government agencies.

Project Need: To provide a common basis for the planning, conducting, and reporting event investigations, including common definitions and elements of corrective action plans.

Provides common terminology and recommended practices for initiating and conducting event investigations, analyzing data, producing results, and identifying corrective actions associated with facility personnel, processes, equipment and systems at nuclear facilities.

**BSR/IEEE 1733-200x, Standard for Layer 3 Transport Protocol for Time Sensitive Applications in Local Area Networks (new standard)**

Stakeholders: Developers and users of LAN and end-point systems supporting time-sensitive applications.

Project Need: To extend the LAN to provide services for time-sensitive applications. This standard will allow 802.1 QoS services to be used by RTP.

Specifies the protocol, data encapsulations, connection management and presentation-time procedures used to ensure interoperability between audio- and video-based end stations that use standard networking services provided by all IEEE 802 networks meeting Quality-of-Service requirements for time-sensitive applications by leveraging the Real-time Transport Protocol (RTP) family of protocols and IEEE 802.1 Audio/Video Bridging (AVB) protocols.

**BSR/IEEE 1780-200x, Standard Specification Format Guide and Test Procedure for Inertial Measurement Units (IMU) (new standard)**

Stakeholders: Manufacturers and users of inertial measurement units in all industries.

Project Need: To standardize both manufacturer and user specifications for inertial measurement units (IMU) and to provide industry standard test procedures for use in verifying the IMU specifications. The benefit of this standard is that common ground will be established between manufacturers and users.

Provides guidelines for the preparation of an IMU specification document and recommended test procedures to verify the IMU specifications noted therein. A standard format guide for the preparation of an IMU specification is defined. Recommended test procedures are derived from those presently used in the inertial community. Informative annexes cover IMU design features and theoretical principles of operation.

**MHI (Material Handling Industry)**

**Office:** 8720 Red Oak Blvd., Suite 201  
Charlotte, NC 28217-3992

**Contact:** Michael Ogle

**Fax:** (704) 676-1199

**E-mail:** mogle@mhia.org

BSR MH28.3-200x, Design, Manufacture, and Installation of Industrial Steel Work Platforms (new standard)

Stakeholders: Users, manufacturers, designers, and installers.

Project Need: To create standards for this type of material handling equipment.

Addresses means of egress, guarding, materials, structural design, fabrication, and loading for an industrial steel work platform. This standard is intended to be applied to the design, manufacturing, installation, and maintenance of such structures. An industrial steel work platform is a prefabricated elevated platform in an industrial environment, pre-designed using a steel framing system. Flooring may include other structural or non-structural elements such as, but not limited to, concrete, steel, or engineered wood products.

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

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

# Toy Safety Coordination Initiative

**Review Period: February 22 – March 24, 2008**

The U.S. Toy Industry Association (TIA), in conjunction with the American National Standards Institute (ANSI), has announced the availability of a proposed new safety assurance program for toys for public review and comment. Developed in response to toy safety concerns raised during the summer of 2007, the proposed new program prescribes procedures and provides audit mechanisms for design hazard analysis, auditing manufacturing process controls, and product safety testing.

The initiative was launched immediately following an August 28, 2007, vote by the TIA Board of Directors to endorse a three-point plan that would reinforce toy testing and inspection systems. TIA commissioned ANSI, coordinator of U.S. voluntary consensus standards and conformity assessment activities, to chair the initiative. Toy manufacturers and retailers, safety experts, consumer advocates, and government authorities have been involved in the program's development.

At its February 16, 2008 meeting in conjunction with its annual Toy Fair in New York City, the Toy Industry Association (TIA) Board of Directors unanimously endorsed the general direction of a proposal for a new toy testing and safety verification system for toys sold in the U.S. market.

The review period will extend from February 22 to March 24, 2008. Following the public comment period, a final proposal will be presented to the TIA Board for final adoption and implementation. At that time, a timetable for putting the program in action will also be provided.

The draft program and accompanying public comment reply form are available for download from the ANSI website at [www.ansi.org/publicreview](http://www.ansi.org/publicreview).

# ISO and IEC Draft International Standards



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

## Comments

Comments regarding ISO documents should be sent to Henrietta Scully at ANSI's New York offices, those regarding IEC documents to Charles T. Zegers, also at ANSI New York offices. The final date for offering comments is listed after each draft.

## Ordering Instructions

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

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## ISO Standards

### **BASES FOR DESIGN OF STRUCTURES (TC 98)**

ISO/DIS 13824, General principles on risk assessment of systems involving structures - 6/14/2008, \$112.00

### **DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)**

ISO/DIS 3611, Geometrical product specifications (GPS) - Dimensional measuring instruments - Micrometers for external measurements; Design and metrological characteristics - 6/14/2008, \$71.00

### **OTHER**

ISO/DIS 17234, Leather - Chemical tests - Determination of certain azo colourants in dyed leathers - 6/14/2008, \$46.00

### **PHOTOGRAPHY (TC 42)**

ISO/DIS 3664, Graphic technology and photography - Viewing conditions - 6/15/2008, \$82.00

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

ISO 6502/DAMd1, Precision - 6/15/2008, \$33.00

### **SCREW THREADS (TC 1)**

ISO/DIS 5408, Screw threads - Vocabulary - 6/15/2008, \$88.00

### **SIEVES, SIEVING AND OTHER SIZING METHODS (TC 24)**

ISO/DIS 9277, Determination of the specific surface area of solids by gas adsorption - BET method - 6/15/2008, \$77.00

### **TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)**

ISO/DIS 6814, Machinery for forestry - Mobile and self-propelled machinery - Terms, definitions and classification - 6/15/2008, \$46.00

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

ISO/DIS 6947, Welds - Working positions - Definitions of angles of slope and rotation - 6/14/2008, \$93.00

## IEC Standards

1/2063/FDIS, IEC 60050-617 Ed.1: International Electrotechnical Vocabulary - Part 617: Organisation/market of electricity, 05/16/2008

62B/694/FDIS, IEC 62220-1-3 Ed.1: Medical electrical equipment - Characteristics of digital X-ray imaging devices - Part 1-3: Determination of the detective quantum efficiency - Detectors used in dynamic imaging, 05/16/2008

76/383/FDIS, IEC 60825-4 A1 Ed.2 - Annex G on beam delivery systems, 05/16/2008

77A/644/FDIS, IEC 61000-3-3 Ed.2: Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current  $\leq 16$  A per phase and not subject to conditional connection, 05/16/2008

26/377/FDIS, IEC 62135-1 Ed.1: Resistance welding equipment - Part 1: Safety requirements for design, manufacture and installation, 05/09/2008

36B/274/FDIS, IEC 61109 Ed. 2.0: Insulators for overhead lines - Composite suspension and tension insulators for a.c. systems with a nominal voltage greater than 1 000 V - Definitions, test methods and acceptance criteria, 05/09/2008

- 48B/1877/FDIS, IEC 60512-16-1 Ed. 1.0: Connectors for electronic equipment - Tests and measurements - Part 16-1: Mechanical tests on contacts and terminations - Test 16a: Probe damage, 05/09/2008
- 48B/1878/FDIS, IEC 60512-16-2 Ed. 1.0: Connectors for electronic equipment - Tests and measurements - Part 16-2: Mechanical tests on contacts and terminations - Test 16b: Restricted entry, 05/09/2008
- 48B/1879/FDIS, IEC 60512-16-4 Ed. 1.0: Connectors for electronic equipment - Tests and measurements - Part 16-4: Mechanical tests on contacts and terminations - Test 16d: Tensile strength (crimped connections), 05/09/2008
- 48B/1880/FDIS, IEC 61076-3-001 Ed. 2.0: Connectors for electronic equipment - Product requirements - Part 3-001: Rectangular connectors - Blank detail specification, 05/09/2008
- 48B/1881/FDIS, IEC 61076-3 Ed. 2.0: Connectors for electronic equipment - Product requirements - Part 3: Rectangular connectors - Sectional specification, 05/09/2008
- 61/3564/FDIS, IEC 60335-2-7 Ed 7.0: Household and similar electrical appliances - Safety - Part 2-7: Particular requirements for washing machines, 05/09/2008

# Newly Published ISO and IEC Standards



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

## ISO Standards

### EARTH-MOVING MACHINERY (TC 127)

[ISO 6393:2008](#), Earth-moving machinery - Determination of sound power level - Stationary test conditions, \$97.00

[ISO 6394:2008](#), Earth-moving machinery - Determination of emission sound pressure level at operators position - Stationary test conditions, \$53.00

[ISO 6395:2008](#), Earth-moving machinery - Determination of sound power level - Dynamic test conditions, \$131.00

[ISO 6396:2008](#), Earth-moving machinery - Determination of emission sound pressure level at operators position - Dynamic test conditions, \$53.00

### ESSENTIAL OILS (TC 54)

[ISO 3061:2008](#), Oil of black pepper (*Piper nigrum* L.), \$61.00

### FLOOR COVERINGS (TC 219)

[ISO 24344:2008](#), Resilient floor coverings - Determination of flexibility and deflection, \$46.00

### HYDROGEN ENERGY TECHNOLOGIES (TC 197)

[ISO 14687/Cor2:2008](#), Hydrogen fuel - Product specification - Corrigendum, FREE

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

[ISO 10414-1:2008](#), Petroleum and natural gas industries - Field testing of drilling fluids - Part 1: Water-based fluids, \$179.00

### NUCLEAR ENERGY (TC 85)

[ISO 18213-4:2008](#), Nuclear fuel technology - Tank calibration and volume determination for nuclear materials accountancy - Part 4: Accurate determination of liquid height in accountancy tanks equipped with dip tubes, slow bubbling rate, \$97.00

[ISO 18213-5:2008](#), Nuclear fuel technology - Tank calibration and volume determination for nuclear materials accountancy - Part 5: Accurate determination of liquid height in accountancy tanks equipped with dip tubes, fast bubbling rate, \$74.00

[ISO 18213-6:2008](#), Nuclear fuel technology - Tank calibration and volume determination for nuclear materials accountancy - Part 6: Accurate in-tank determination of liquid density in accountancy tanks equipped with dip tubes, \$68.00

### OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO 517:2008](#), Photography - Apertures and related properties pertaining to photographic lenses - Designations and measurements, \$53.00

### PAINTS AND VARNISHES (TC 35)

[ISO 21227-4:2008](#), Paints and varnishes - Evaluation of defects on coated surfaces using optical imaging - Part 4: Evaluation of filiform corrosion, \$53.00

### PLASTICS (TC 61)

[ISO 20753:2008](#), Plastics - Test specimens, \$80.00

### PUMPS (TC 115)

[ISO 17769:2008](#), Liquid pumps and installation - General terms - Definitions, quantities, letter symbols and units, \$138.00

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

[ISO 24101-1:2008](#), Intelligent transport systems - Communications access for land mobiles (CALM) - Application management - Part 1: General requirements, \$91.00

## ISO Technical Reports

### LIFTS, ESCALATORS, PASSENGER CONVEYORS (TC 178)

[ISO/TR 25741:2008](#), Lifts and escalators subject to seismic conditions - Compilation report, \$131.00

## ISO/IEC JTC 1, Information Technology

[ISO/IEC 14496-4/Amd22:2008](#), Conformance testing for MPEG-4 - Amendment 2: AudioBIFS v3 conformance, \$15.00

## IEC Standards

### CABLES, WIRES, WAVEGUIDES, R.F. CONNECTORS, AND ACCESSORIES FOR COMMUNICATION AND SIGNALLING (TC 46)

[IEC 61156-1 Ed. 3.0 b:2008](#), Multicore and symmetrical pair/quad cables for digital communications - Part 1: Generic specification, \$166.00

[IEC 61935-3 Ed. 1.0 en:2008](#), Testing of balanced and coaxial information technology cabling - Part 3: Installed cabling as specified in ISO/IEC 15018 and related standards, \$57.00

### CAPACITORS AND RESISTORS FOR ELECTRONIC EQUIPMENT (TC 40)

[IEC 60286-2 Ed. 3.0 en:2008](#), Packaging of components for automatic handling - Part 2: Packing of components with unidirectional leads on continuous tapes, \$133.00

**ELECTROMAGNETIC COMPATIBILITY (TC 77)**

[IEC 61000-3-2 Amd.1 Ed. 3.0 b:2008](#), Amendment 1 - Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current &le; 16 A per phase), \$24.00

**EVALUATION AND QUALIFICATION OF ELECTRICAL INSULATING MATERIALS AND SYSTEMS (TC 112)**

[IEC 60216-5 Ed. 3.0 b:2008](#), Electrical insulating materials - Thermal endurance properties - Part 5: Determination of relative thermal endurance index (RTE) of an insulating material, \$109.00

**FIBRE OPTICS (TC 86)**

[IEC 61280-2-2 Ed. 3.0 b:2008](#), Fibre optic communication subsystem test procedures - Part 2-2: Digital systems - Optical eye pattern, waveform and extinction ratio measurement, \$119.00

[IEC 61753-1 Ed. 1.0 b:2008](#), Fibre optic interconnecting devices and passive components performance standard - Part 1: General and guidance for performance standards, \$147.00

**FIRE HAZARD TESTING (TC 89)**

[IEC 60695-8-1 Ed. 2.0 b:2008](#), Fire hazard testing - Part 8-1: Heat release - General guidance, \$109.00

**INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL (TC 65)**

[IEC/PAS 62573 Ed. 1.0 en:2008](#), Real-time Ethernet - Real-time Automation Protocol for Industrial Ethernet (RAPIEnet), \$280.00

**LASER EQUIPMENT (TC 76)**

[IEC/TR 60825-3 Ed. 2.0 en:2008](#), Safety of laser products - Part 3: Guidance for laser displays and shows, \$71.00

**OVENS AND MICROWAVE OVENS, COOKING RANGES AND SIMILAR APPLIANCES (TC 59K)**

[IEC 60350 Amd.2 Ed. 2.0 en:2008](#), Amendment 2 - Electric cooking ranges, hobs, ovens and grills for household use - Methods for measuring performance, \$90.00

**PERFORMANCE OF HOUSEHOLD ELECTRICAL APPLIANCES (TC 59)**

[IEC 60704-2-13 Amd.2 Ed. 1.0 b:2008](#), Amendment 2 - Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-13: Particular requirements for range hoods, \$20.00

**POWER ELECTRONICS (TC 22)**

[IEC/PAS 62543 Ed. 1.0 en:2008](#), DC transmission using voltage sourced converters, \$261.00

**ROTATING MACHINERY (TC 2)**

[IEC 60034-29 Ed. 1.0 b:2008](#), Rotating electrical machines - Part 29: Equivalent loading and superposition techniques - Indirect testing to determine temperature rise, \$119.00

**SAFETY OF MACHINERY - ELECTROTECHNICAL ASPECTS (TC 44)**

[IEC 60204-32 Ed. 2.0 b:2008](#), Safety of machinery - Electrical equipment of machines - Part 32: Requirements for hoisting machines, \$251.00

**SEMICONDUCTOR DEVICES (TC 47)**

[IEC 61967-6 Amd.1 Ed. 1.0 b:2008](#), Amendment 1 - Integrated circuits - Measurement of electromagnetic emissions, 150 kHz to 1 GHz - Part 6: Measurement of conducted emissions - Magnetic probe method, \$90.00

**TOOLS FOR LIVE WORKING (TC 78)**

[IEC 60743 Amd.1 Ed. 2.0 b:2008](#), Amendment 1 - Live working - Terminology for tools, equipment and devices, \$47.00

**WINDING WIRES (TC 55)**

[IEC 60317-0-1 Ed. 3.0 b:2008](#), Specifications for particular types of winding wires - Part 0-1: General requirements - Enamelled round copper wire, \$119.00

**IEC Technical Specifications****AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT (TC 100)**

[IEC/TS 62312-1-1 Ed. 1.0 en:2008](#), Guideline for synchronization of audio and video - Part 1-1: Measurement methods for synchronization of audio and video equipment and systems - General, \$62.00

**INDUSTRIAL ELECTROHEATING EQUIPMENT (TC 27)**

[IEC/TS 60519-5 Ed. 1.0 b:2008](#), Safety in electroheat installations - Part 5: Specifications for safety in plasma installations, \$81.00

[IEC/TS 60680 Ed. 1.0 b:2008](#), Test methods of plasma equipment for electroheat and electrochemical applications, \$119.00

# Proposed Foreign Government Regulations

## Call for Comment

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

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

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

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

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

# Information Concerning

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## American National Standards

### INCITS Executive Board

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

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

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

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

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

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

## ANSI Accredited Standards Developers

### Administrative Reaccreditations

#### ASC Z97 – Safety Requirements for Architectural Glazing Material

Accredited Standards Committee Z97, Safety Requirements for Architectural Glazing Material, has been administratively reaccredited at the direction of ANSI's Executive Standards Council, under operating procedures revised to bring the documents into compliance with the 2008 version of the ANSI Essential Requirements (and with the Glazing Industry Secretariat Committee (GISC) continuing as Secretariat), effective March 18, 2008. For additional information, please contact: Ms. Julia Schimmelpenningh, Architectural Technical Applications Manager, Saflex, a unit of Solutia, Inc., 730 Worcester Street, Springfield, MA 01151; PHONE: (413) 730-3413; FAX: (508) 861-0127; E-mail: [JCSCHI@solutia.com](mailto:JCSCHI@solutia.com).

### Dimensional Metrology Standards Consortium (DMSC)

The Dimensional Metrology Standards Consortium (DMSC), an ANSI Organizational Member, has been administratively reaccredited at the direction of ANSI's Executive Standards Council, under operating procedures revised to bring the documents into compliance with the 2008 version of the ANSI Essential Requirements, effective March 14, 2008. For additional information, please contact: Mr. Bailey Squier, Executive Director, Dimensional Metrology Standards Consortium, 1228 Enclave Circle, #301, Arlington, TX 76011; PHONE: (817) 461-1092; FAX: (817) 461-4845; E-mail: [bsquier@dmis.org](mailto:bsquier@dmis.org).

### National Institutes of Standards and Technology Information Technology Laboratory (NIST/ITL)

The National Institutes of Standards and Technology Information Technology Laboratory (NIST/ITL) has been administratively reaccredited at the direction of ANSI's Executive Standards Council, under operating procedures, revised to bring the document into compliance with the 2008 version of the ANSI Essential Requirements, effective March 18, 2008. For additional information, please contact: Mr. Michael D. Hogan, Standards Liaison, Information Technology Laboratory, National Institute of Standards and Technology, Gaithersburg, MD 20899-8900; PHONE: (301) 975-2926; FAX: (301) 975-2378; E-mail: [m.hogan@nist.gov](mailto:m.hogan@nist.gov).

### Single Ply Roofing Institute (SPRI)

The Single Ply Roofing Institute (SPRI), an ANSI Organizational Member, has been administratively reaccredited at the direction of ANSI's Executive Standards Council, under operating procedures revised to bring the documents into compliance with the 2008 version of the ANSI Essential Requirements, effective March 14, 2008. For additional information, please contact: Ms. Linda King, Managing Director, 77 Rumford Street Suite 3B, Waltham, MA 02453; PHONE: (781) 647-7026; FAX: (781) 647-7222; E-mail: [info@spri.org](mailto:info@spri.org).

## ANSI Accreditation Program for Third Party Personnel Certification Bodies

### Initial Accreditations

#### American Board of Multiple Specialties in Podiatry (ABMSP)

**Comment Deadline: April 21, 2008**

#### American Board of Multiple Specialties in Podiatry (ABMSP)

1350 Broadway, Suite 1705  
New York, NY 10016

On March 14, 2008, the ANSI Personnel Certification Accreditation Committee (PCAC) voted to approve initial accreditation for ABMSP for the following scopes:

- Primary Care in Podiatric Medicine
- Podiatric Surgery
- Diabetic Foot Wounds and Foot Wear

Please send your comments by April 21, 2008 to Roy Swift, Ph.D., Program Director, Personnel Certifier Accreditation, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, Fax: (202) 293-9287 or e-mail: [rsswift@ansi.org](mailto:rsswift@ansi.org).

## Computing Technology Industry Association (CompTIA)

**Comment Deadline: April 21, 2008**

**Computing Technology Industry Association (CompTIA)**  
1815 S. Meyers Road, Suite 300  
Oakbrook Terrace, IL 60181-5228

On March 14, 2008, the ANSI Personnel Certification Accreditation Committee (PCAC) voted to approve initial accreditation for CompTIA for the following scopes:

- CompTIA A+
- CompTIA Network+
- CompTIA Security+

Please send your comments by April 21, 2008 to Roy Swift, Ph.D., Program Director, Personnel Certifier Accreditation, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, Fax: (202) 293-9287 or e-mail: [rswift@ansi.org](mailto:rswift@ansi.org).

## InfoComm International

**Comment Deadline: April 21, 2008**

**InfoComm International**  
11242 Waples Mill Road, Suite 200  
Fairfax, VA 22030

On March 14, 2008, the ANSI Personnel Certification Accreditation Committee (PCAC) voted to approve initial accreditation for InfoComm International for the following scopes:

- Certified Technology Specialist (CTS)
- Certified Technology Specialist (CTS-I)

Please send your comments by April 21, 2008 to Roy Swift, Ph.D., Program Director, Personnel Certifier Accreditation, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, Fax: (202) 293-9287 or e-mail: [rswift@ansi.org](mailto:rswift@ansi.org).

## Refrigerating Engineers & Technicians Association (RETA)

**Comment Deadline: April 21, 2008**

**Refrigerating Engineers & Technicians Association (RETA)**  
30 E. San Joaquin St., Suite 102  
Salinas, CA 93901

On March 14, 2008, the ANSI Personnel Certification Accreditation Committee (PCAC) voted to approve initial accreditation for RETA for the following scopes:

- Certified Assistant Refrigeration Operator (CARO)
- Certified Industrial Refrigeration Operator (CIRO)

Please send your comments by April 21, 2008 to Roy Swift, Ph.D., Program Director, Personnel Certifier Accreditation, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, Fax: (202) 293-9287 or e-mail: [rswift@ansi.org](mailto:rswift@ansi.org).

## ANSI Accreditation Program for Third Party Product Certification Agencies

### Scope Extensions

#### ICONTEC

**Comment Deadline: April 21, 2008**

**ICONTEC**  
Carrera 37 52 – 95  
Bogotá, Colombia

ICONTEC, an ANSI accredited certification body has expanded its scope of ANSI accreditation to include the following scope:

#### SCOPES

- Wood Technology (79)
- GLOBAL GAP Floweres and Ornamental - Option 1
- BPA - NTC 5400
- Electrical Product Component - Electrical Products & Components-Domestic, Commercial & Industrial Heating Appliances (Refrigeration) (97.100 & 97.040)
- Clothing Industry (61)
- Construction material (91.100)
- Fluid System & Components for general Use (23)

Please send your comments by April 21, 2008 to Reinaldo Balbino Figueiredo, Program Director, Product Certifier Accreditation, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293-9287 or E-mail: [rfigueir@ansi.org](mailto:rfigueir@ansi.org).

### Water Quality Association (WQA)

**Comment Deadline: April 21, 2008**

**Water Quality Association**  
4151 Naperville Road  
Lisle, IL 60532

WQA, an ANSI accredited certification body has expanded its scope of ANSI accreditation to include the following scope:

#### SCOPES

- CSA B483.1 (Drinking Water Treatment Systems),
- NSF/ANSI 51 (Food Equipment Materials), and
- NSF/ANSI 24 (Plumbing System Components for Manufactured Homes and Recreational Vehicles)

Please send your comments by April 21, 2008 to Reinaldo Balbino Figueiredo, Program Director, Product Certifier Accreditation, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293-9287 or E-mail: [rfigueir@ansi.org](mailto:rfigueir@ansi.org).

## Suspension of Accreditation

### TUV Rheinland of North America, Inc.

**TUV Rheinland of North America, Inc.**  
762 Park Avenue  
Youngsville, NC 27596

The ANSI accreditation committee voted on March 14th, 2008 to suspended TUVRNA Rheinland of North America, Inc. accreditation for the following scope(s) as of March 18, 2008 for a period of 60 days:

- FCC Unlicensed Radio Frequency Devices (A1, A2, A3, A4)
- FCC Licensed Radio Frequency Devices (B1, B2, B3, B4)
- FCC Telephone Terminal Equipment

If you have any questions regarding this or other matters related to Product Certification Accreditation, please contact Reinaldo Balbino Figueiredo, Program Director, Product Certifier Accreditation, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, Fax: (202) 293-9287 or E-mail: [rfigureir@ansi.org](mailto:rfigureir@ansi.org).

## International Organization for Standardization (ISO)

### Proposals for New Fields of ISO Technical Work

#### Energy Management

The ISO Technical management Board has approved the creation of a new ISO technical activity on Energy Management, with the secretariat allocated to the United States (ANSI) and the following scope:

Standardization in the field of energy management, including: energy supply, procurement practices for energy using equipment and systems, energy use, and any use-related disposal issues. The standard will also address measurement of current energy usage, and implementation of a measurement system to document, report, and validate continuous improvement in the area of energy management.

Those wishing to participate in this new activity are invited to contact Ms. Deann Desai:  
[deann.desai@innovate.gatech.edu](mailto:deann.desai@innovate.gatech.edu).

#### Network Services Billing

The ISO Technical management Board has approved the creation of a new ISO technical activity on Network Services Billing, with the secretariat allocated to Israel (SII) and the following proposed scope:

Standardization in the field of Network services billing.

Formation and accreditation of a US/TAG is required for the US to register as a Participating member of this committee.

More information can be obtained for review by contacting Rachel Howenstine via email at [rhowenstine@ansi.org](mailto:rhowenstine@ansi.org).

## Product Recall

The ISO Technical management Board has approved the creation of a new ISO technical activity on Product Recall, with the secretariat allocated to Malaysia (DSM) and the following proposed scope:

This guidance standard would provide a model code of good practice for consumer product recalls, with corrective actions, including: repair; placement; repurchase, and public notice. Such corrective actions include a range of remedies affecting the product, including actions applying to product in the manufacturer's inventory, the distributor's inventory, on retail shelves and in consumer hands. This guidance standard would cover principles and provide practical guidance in establishing, implementing and managing an effective, flexible and responsive consumer product corrective action/recall program. This standard would also include guidance about what triggers a recall. It is proposed that this standard would apply to consumer products, including electrical and gas household appliances. However, it would not directly address products such as food, drugs, medical devices or automobiles as these categories of products are subject to highly developed regulatory requirements in many jurisdictions. However, the general principles could potentially be used by any consumer product sector. This standard is designed for use by: manufacturers, retailers, importers, testing organizations, providers of third party recall services, legal firms, government regulators and consumer/safety organizations.

Formation and accreditation of a US/TAG is required for the US to register as a Participating member of this committee.

More information can be obtained for review by contacting Rachel Howenstine via email at [rhowenstine@ansi.org](mailto:rhowenstine@ansi.org).

#### Road Safety Management

The ISO Technical management Board has approved the creation of a new ISO technical activity on Road Safety Management, with the secretariat allocated to Sweden (SIS) and the following proposed scope:

Standardization in the field of Road-Traffic Safety Management System

Formation and accreditation of a US/TAG is required for the US to register as a Participating member of this committee.

More information can be obtained for review by contacting Rachel Howenstine via email at [rhowenstine@ansi.org](mailto:rhowenstine@ansi.org).

## U.S. Technical Advisory Groups

### April 28, 2008 Formation Meeting and Call for Members

#### INCITS/PL22 – Programming Languages

The INCITS Executive Board has approved the reorganization of the US TAG to JTC/SC 22, Programming Languages, their environments and system software interfaces to better align with the international committee. INCITS/PL22 has been assigned the following program of work:

- Cross-language issues and issues that do not fall within the domain of a single programming language Task Group.
- The domestic projects in the programs of work from the disbanded programming language committees, as well as the programming language related projects and standards currently in the INCITS Executive Board (excluding Linux and POSIX) and CT22 programs of work.
- INCITS/PL22 will serve as the US TAG to JTC 1/SC 22, JTC 1/SC 22 OWG on Vulnerabilities, JTC 1/SC 22/WG 17, Programming Language Prolog.

The formation meeting of INCITS/PL22, Programming Languages, will be held April 28, 2008 from 10:00 AM to 5:00 PM:

Information Technology Industry Council (ITI)  
1250 Eye Street, NW  
Suite 200  
Washington, DC 20005  
PHONE: (202) 737-8888  
FAX: (202) 638-4922

Participation in the standards activities of INCITS is open to all directly and materially affected parties that meet attendance and voting requirements and pay the designated service fees. Requests to establish membership (voting or advisory (non-voting)) can be directed to Ms. Deborah Spittle ([dspittle@itic.org](mailto:dspittle@itic.org)). All attendees at the formation meeting or the second meeting shall be considered voting members of INCITS/PL22 unless they have requested advisory membership.

## Reaccreditation

### U.S. TAG to the ISO Working Group on Social Responsibility

#### Comment Deadline: April 21, 2008

The U.S. TAG to the ISO Working Group on Social Responsibility has submitted revisions to the operating procedures under which it was originally accredited. As the revisions appear substantive in nature, the reaccreditation process is initiated.

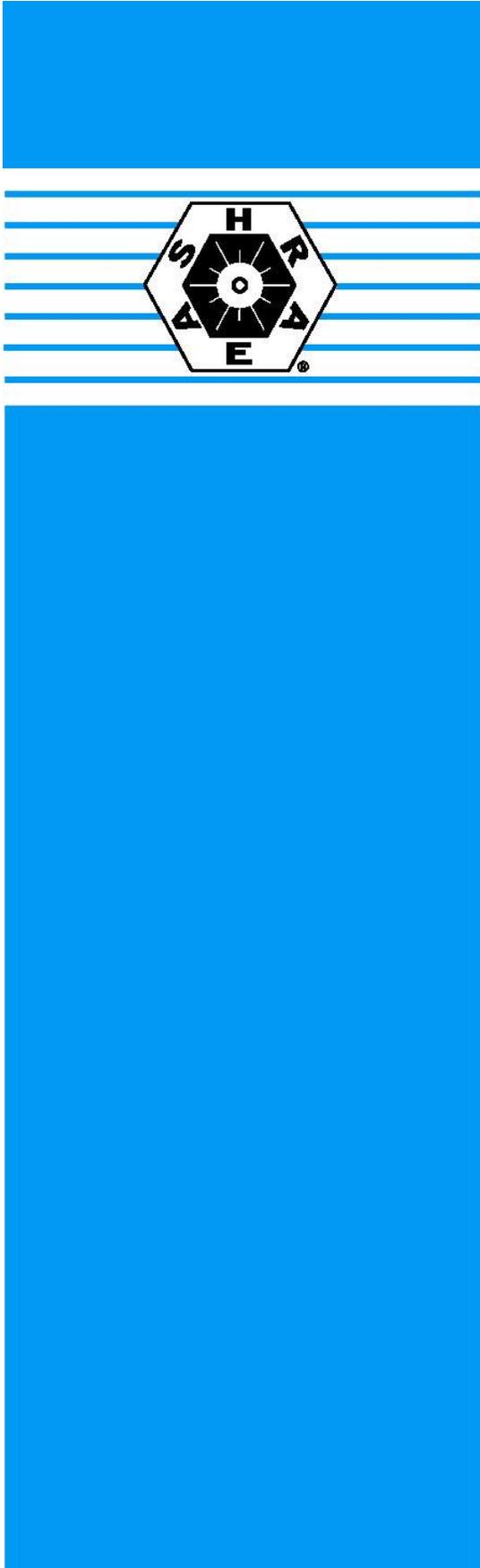
To obtain a copy of the TAG's revised operating procedures, or to offer comments, please contact: Ms. Jennifer Admussen, CQA, CQIA, Standards Manager, Knowledge Offerings, American Society for Quality, 600 N. Plankinton Avenue, Milwaukee, WI 53201-3005; PHONE: (800) 248-1946, ext. 7736; FAX: (414) 270-8810; E-mail: [standards@asq.org](mailto:standards@asq.org). Please submit your comments to ASQ by April 21, 2008, with a copy to the Recording Secretary, ExSC in ANSI's New York Office (FAX: (212) 840-2298; E-mail: [Jthompso@ANSI.org](mailto:Jthompso@ANSI.org)). As the proposed procedures are available electronically, the public review period is 30 days. You may view or download a copy of the TAG's revised operating procedures from ANSI Online during the public review period at the following URL:  
<http://publicaa.ansi.org/sites/apdl/Documents/Forms/AllItems.aspx?RootFolder=%2fsites%2fapdl%2fDocuments%2fStandards%20Activities%2fPublic%20Review%20and%20Comment%2fANS%20Accreditation%20Actions&View=%7b21C60355%2dAB17%2d4CD7%2dA090%2dBABEEC5D7C60%7d>.

## Meeting Notice

### ASC A10 – Construction and Demolition Operations

The next meeting of the ANSI/ASSE A10 ASC for Construction and Demolition Operations will be held on July 15, 2008 at the offices of the International Brotherhood of Electrical Workers (IBEW) in Washington D.C. from noon until conclusion. Subgroup meetings of the A10 ASC will be held the day before on July 14th. The A10 ASC subgroups address a variety of construction and demolition issues ranging from trenching and shoring to ergonomic injury prevention. The subgroup meeting schedule will be provided upon request. If you are interested in attending the full meeting or a subgroup meeting please contact Tim Fisher with the secretariat:

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**BSR/ASHRAE Addendum g  
to ANSI/ASHRAE Standard 15-2007**

(formerly Addendum a to Standard 15-2004)

# Public Review Draft

**ASHRAE® Standard**

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

**Second Public Review (March 2008)  
(Draft Shows Proposed Changes to  
Current Standard)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed addendum, 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).

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

BSR/ASHRAE Addendum g to ANSI/ASHRAE Standard 15-2007, *Safety Standard for Refrigeration Systems*  
Second 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 adds definitions and clarifies the requirements for the requirements of hydrostatic relief protection in Section 9.4.3. It was previously identified as Addendum a to ASHRAE 15-2004 and was open for public review in May 2005. It has been revised in response to comments received.***

## **Addendum g to 15-2007**

***[Add the following new definitions to Section 3, Definitions.]***

**administrative control:** the use of human action aimed at achieving a safe level of performance from a system or subsystem. Compare to engineering control.

**engineering control:** the use of sensors, actuators, and other equipment to achieve a safe level of performance from a system or subsystem without the aid of human interaction. Compare to administrative control.

***[Revise Section 9.4.3 to read as follows.]***

**~~9.4.3~~** ~~A pressure-relief device to relieve hydrostatic pressure to another part of the system shall be used on the portion of liquid-containing parts of the system that is capable of being isolated from the system during operation or service and that will be subjected to overpressure from hydrostatic expansion of the contained liquid due to temperature rise.~~

**Hydrostatic expansion.** Pressure rise resulting from hydrostatic expansion due to temperature rise of liquid refrigerant trapped in or between closed valves shall be addressed by the following.

**9.4.3.1** If trapping of liquid with subsequent hydrostatic expansion can occur during operation, standby, shipping, or power failure, engineering control(s) shall be used that are capable of preventing the pressure from exceeding the design pressure. Acceptable engineering controls include, but are not limited to:

- a) pressure-relief device to relieve hydrostatic pressure to another part of the system
- b) reseating pressure-relief valve to relieve the hydrostatic pressure to an approved treatment system

**9.4.3.2** If trapping of liquid with subsequent hydrostatic expansion can occur only during maintenance, either engineering or administrative controls shall be used to relieve or prevent the hydrostatic over-pressure.



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

## Public Review Draft

ASHRAE® Standard

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

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

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

First Public Review Draft

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## FOREWORD

*This addendum adds the refrigerant concentration limit (RCL) to the purpose and scope of Standard 34.*

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

## Addendum m to 34-2007

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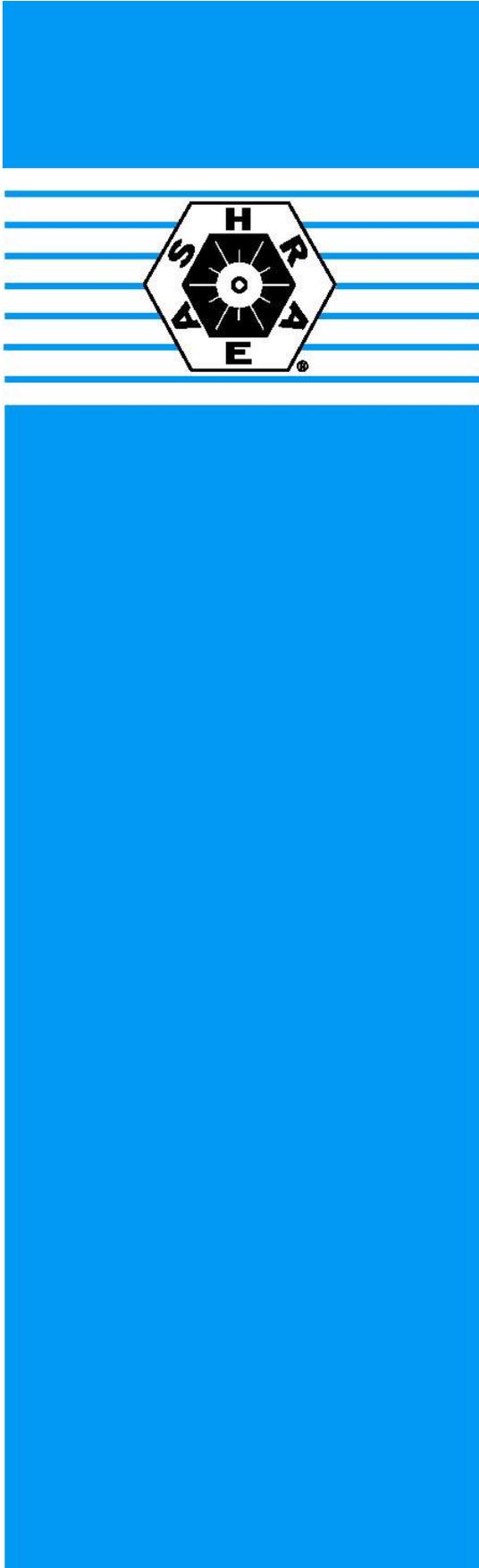
### 1. PURPOSE

This standard is intended to establish a simple means of referring to common refrigerants instead of using the chemical name, formula, or trade name. It ~~also~~ establishes a uniform system for assigning reference numbers, ~~and~~ safety classifications and refrigerant concentration limits to refrigerants. The standard also identifies requirements to apply for designations and safety classifications for refrigerants; ~~including blends, and to determine refrigerant concentration limits in addenda or~~ ~~revisions to this standard.~~

### 2. SCOPE

This standard provides an unambiguous system for numbering refrigerants and assigning composition-designating prefixes for refrigerants. Safety classifications based on toxicity and flammability data are included along with refrigerant concentration limits for the refrigerants. This standard does not imply endorsement or concurrence that individual refrigerant blends are suitable for any particular application.

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

## Public Review Draft

ASHRAE® Standard

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

First Public Review (March 2008)  
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## FOREWORD

*This addendum adds R-435A, a new zeotropic refrigerant blend, to Table 2.*

*[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 n to 34-2007

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Add the following to Table 2 in the columns indicated:

#### TABLE 2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 435A  
 Composition (Mass %) = R- E170/152a (80.0/20.0)  
 Composition Tolerances = (±1.0 /±1.0)  
 Safety Group = A3  
 RCL = 8,500 ppm (v/v), 17 g/m<sup>3</sup>, 1.1 lb/Mcf  
 Highly Toxic or Toxic Under Code Classification = Neither

Add the following to Table D2 in the columns indicated:

#### TABLE D2 Data for Refrigerant Blends

Refrigerant Number = 435A  
 Composition (Weight %) = R- E170/152a (80.0/20.0)  
 Average Molecular Mass = 49.04  
 Bubble Point (°C) = -26.1  
 Dew Point (°C) = -25.9  
 Bubble Point (°F) = -15.0  
 Dew Point (°F) = -14.6

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

# Public Review Draft

ASHRAE® Standard

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

First Public Review (March 2008)  
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BSR/ASHRAE Addendum o to ANSI/ASHRAE Standard 34-2007, *Designation and Safety Classification of Refrigerants*

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## FOREWORD

*This addendum adds R-510A, a new azeotropic refrigerant blend, to Table 2.*

*[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 o to 34-2007

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Add the following to Table 2 in the columns indicated:

### TABLE 2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 510A  
 Composition (Mass %) = R-E170/600a (88.0/12.0)  
 Composition Tolerances = (±0.5 /±0.5)  
 Safety Group = A3  
 RCL = 7,300 ppm (v/v), 14 g/m<sup>3</sup>, 0.87 lb/Mcf  
 Highly Toxic or Toxic Under Code Classification = Neither

Add the following to Table D2 in the columns indicated:

### TABLE D2 Data for Refrigerant Blends

Refrigerant Number = 510A  
 Composition (Weight %) = R-E170/600a (88.0/12.0)  
 Azeotropic Temperature = -25.2 (°C), -13.4 (°F)  
 Azeotropic Molecular Mass = 47.24  
 Normal BPt. (°C) = -25.2  
 Normal BPt. (°F) = -13.4

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

# Public Review Draft

ASHRAE® Standard

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

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## FOREWORD

*This addendum adds R-436A, a new zeotropic refrigerant blend, to Table 2.*

*[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 p to 34-2007

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Add the following to Table 2 in the columns indicated:

#### TABLE 2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 436A  
 Composition (Mass %) = R-290/600a (56.0/44.0)  
 Composition Tolerances = (±1.0 /±1.0)  
 Safety Group = A3  
 RCL = 4,000 ppm (v/v), 8 g/m<sup>3</sup>, 0.5 lb/Mcf  
 Highly Toxic or Toxic Under Code Classification = Neither

Add the following to Table D2 in the columns indicated:

#### TABLE D2 Data for Refrigerant Blends

Refrigerant Number = 436A  
 Composition (Weight %) = R-290/600a (56.0/44.0)  
 Average Molecular Mass = 49.33  
 Bubble Point (°C) = -34.3  
 Dew Point (°C) = -26.2  
 Bubble Point (°F) = -29.7  
 Dew Point (°F) = -16.2

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

# Public Review Draft

ASHRAE® Standard

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

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

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## FOREWORD

*This addendum adds R-436B, a new zeotropic refrigerant blend, to Table 2.*

*[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 q to 34-2007

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Add the following to Table 2 in the columns indicated:

### TABLE 2 Data and Safety Classifications for Refrigerant Blends

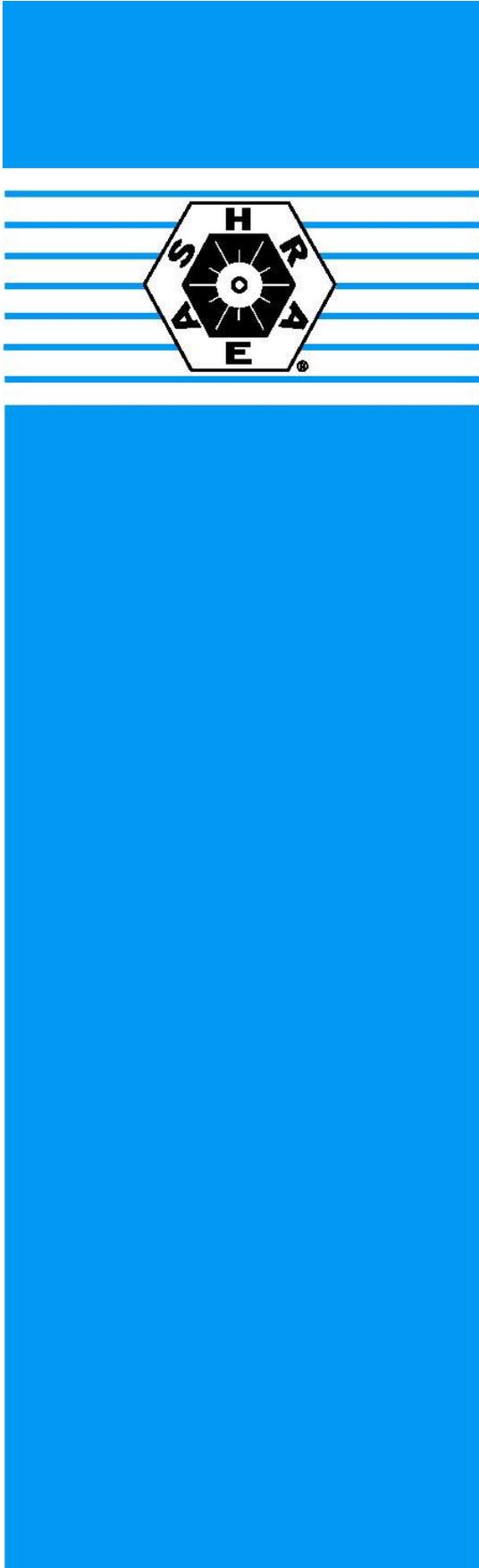
Refrigerant Number = 436B  
 Composition (Mass %) = R-290/600a (52.0/48.0)  
 Composition Tolerances = (±1.0 /±1.0)  
 Safety Group = A3  
 RCL = 4,000 ppm (v/v), 8.1 g/m<sup>3</sup>, 0.5 lb/Mcf  
 Highly Toxic or Toxic Under Code Classification = Neither

Add the following to Table D2 in the columns indicated:

### TABLE D2 Data for Refrigerant Blends

Refrigerant Number = 436B  
 Composition (Weight %) = R-290/600a (52.0/48.0)  
 Average Molecular Mass = 49.87  
 Bubble Point (°C) = -33.4  
 Dew Point (°C) = -25.0  
 Bubble Point (°F) = -28.1  
 Dew Point (°F) = -13.0

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

# Public Review Draft

ASHRAE® Standard

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

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## FOREWORD

*This addendum adds R-437A, a new zeotropic refrigerant blend, to Table 2.*

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## Addendum r to 34-2007

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Add the following to Table 2 in the columns indicated:

### TABLE 2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 437A  
 Composition (Mass %) = R-125/134a/600/601 (19.5/78.5/1.4/0.6)  
 Composition Tolerances = (+0.5,-1.8 / +1.5,-0.7 / +0.1,-0.2 / +0.1,-0.2)  
 Safety Group = A1  
 RCL = 19,000 ppm v/v, 81 g/m<sup>3</sup>, 5 lb/Mcf  
 Highly Toxic or Toxic Under Code Classification = Neither

Add the following to Table D2 in the columns indicated:

### TABLE D2 Data for Refrigerant Blends

Refrigerant Number = 437A  
 Composition (Weight %) = R-125/134a/600/601 (19.5/78.5/1.4/0.6)  
 Average Molecular Mass = 103.7  
 Bubble Point (°C) = -32.9  
 Dew Point (°C) = -29.2  
 Bubble Point (°F) = -27.2  
 Dew Point (°F) = -20.6

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

# Public Review Draft

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

First Public Review Draft

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## FOREWORD

*This addendum revises the oxygen deprivation limit (ODL) adjustment for altitude by adding an intermediate adjustment at 1500m.*

*[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 s to 34-2007

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**7.1.2 Oxygen Deprivation Limit (ODL).** The ODL shall be 140,000 ppm by volume for locations with altitudes at and below 1000 m (3300 ft) above sea level. At locations ~~with altitudes greater~~ higher than 1000 m (3300 ft) but below or equal to 1500 m (4920 ft), the ODL shall be 112,000 ppm and at altitudes higher than 1500 m (4920 ft) above sea level, the ODL shall be 69,100 ppm (19.5% oxygen by volume).

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

# Public Review Draft

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

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## FOREWORD

This addendum revises clause 6.1.2 to clarify the intent and adds a definition of OEL to section 3.

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

### Addendum u to 34-2007

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**Add the following definition to section 3:**

**occupational exposure limit (OEL):** the time-weighted average concentration for a normal 8-hour work day and a 40-hour work week to which nearly all workers can be repeatedly exposed without adverse effect, based on the OSHA PEL, ACGIH TLV-TWA, the AIHA WEEL or consistent value.

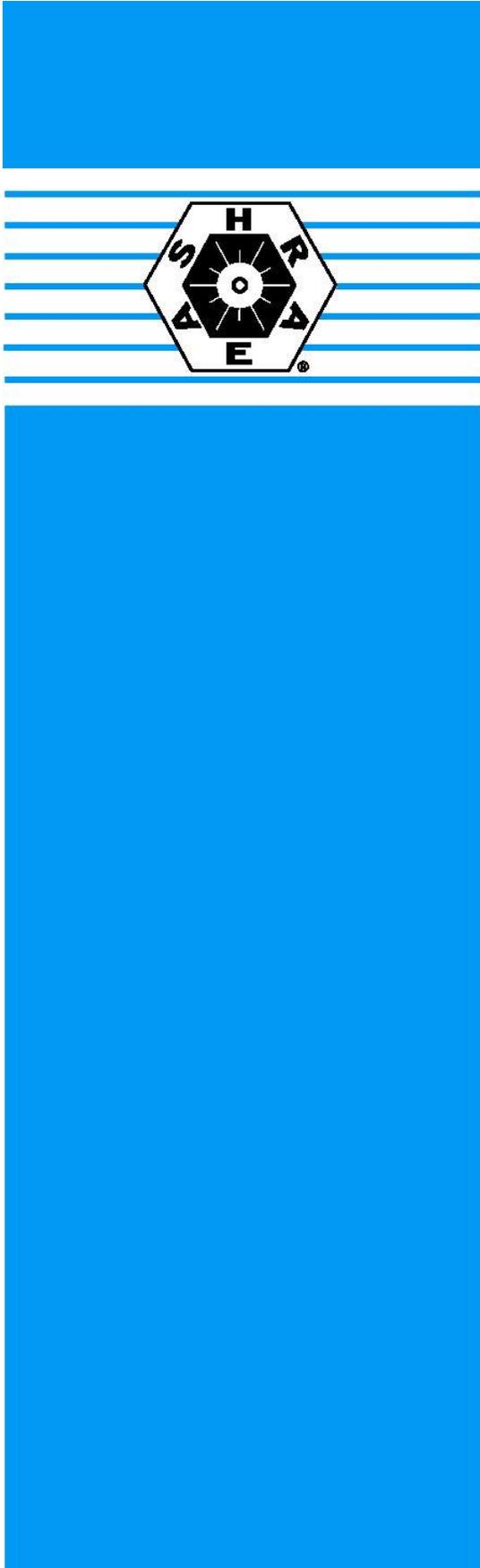
**Revise clause 6.1.2 as follows:**

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

*Class A* refrigerants are of lower degree of toxicity as indicated by a PEL of 400 ppm or greater, if assigned; otherwise, a recommended occupational exposure limit (OEL) of 400 ppm or greater signifies refrigerants for which toxicity has not been identified at concentrations less than or equal to 400 ppm by volume, based on data used to determine threshold limit value time weighted average (TLV-TWA) or consistent indices.

*Class B* refrigerants are those of higher degree of toxicity as indicated by a PEL of less than 400 ppm, if assigned; otherwise, a recommended OEL of less than 400 ppm signifies refrigerants for which there is evidence of toxicity at concentrations below 400 ppm by volume, based on data used to determine TLV-TWA or consistent indices.

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BSR/ASHRAE Addendum v  
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## FOREWORD

This addendum modifies data for R-600 in Table E1 by adding an anesthetic NOEL of 130,000 and changing “Other” to 10,000.

*[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 v to 34-2007

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Add the following to Table E1 for R-600, butane, in the columns indicated:

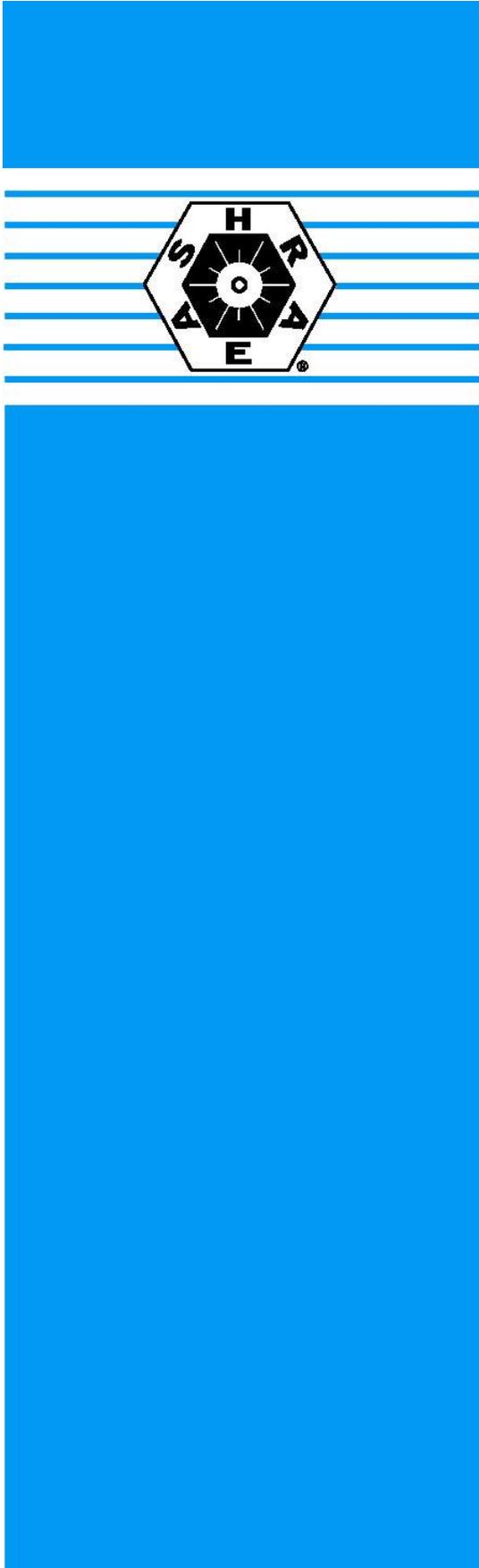
**Table E1, Toxicity Table for Standard 34 – ATEL, ODL, FCL, and RCL Values for Single-Compound Refrigerants (ppm v/v)**

**R-600, butane**

**Anesthesia NOEL = 130,000**

**Other = 10,000**

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

## Public Review Draft

ASHRAE® Standard

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

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## FOREWORD

*In response to continuous maintenance proposals this addendum expands the types of roofs shown by research to reduce the conduction loads through roofs into the conditioned space. This allows building design teams to select from a number of alternatives and reduce space loads, thereby reducing energy usage and cost.*

*Further changes have been made as a result of an attempt to resolve comments received during the first public review period.*

***[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 90.1-2007

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***[Reviewer Note: Revise Section 5.5.3 as shown. (S-I and IP units)]***

### 5.5.3.1 Roof Insulation and Cool Roofs.

**5.5.3.1.1 Roof Insulation.** All roofs shall comply with the insulation values specified in Tables 5.5-1 through 5.5-8. Skylight curbs shall be insulated to the level of roofs with insulation entirely above deck or R-5, whichever is less.

**5.5.3.1.2 Cool Roofs.** ~~Roofs in climate zones 1 through 35, other than roofs over ventilated attics or roofs over semi-heated spaces or roofs over conditioned spaces that are not cooled spaces, shall be classified as either a Low Slope Roof, a Steep Slope Roof, as listed in the following paragraphs.~~

- a. Low Slope Roofs shall have a slope of less than 2:12 and shall:
- 1) have a minimum initial solar reflectance of 0.70 when tested in accordance with ASTM C1549, ASTM E903, or ASTM E1918, and in addition, a minimum thermal emittance of 0.75 when tested in accordance with ASTM C1371 or ASTM E408, or
  - 2) have a minimum initial Solar Reflective Index of 82 when determined in accordance with the Solar Reflectance Index method in ASTM E1980 using a ~~convective~~ convection coefficient of 2.1Btu/h·ft<sup>2</sup>·°F(12 W/m<sup>2</sup>·K) , or

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- 3) have a minimum three-year-aged solar reflectance of 0.55 when tested in accordance with ASTM C1549, ASTM E903, or ASTM E1918, and in addition, a minimum three-year-aged thermal emittance of 0.75 when tested in accordance with ASTM C1371 or ASTM E408, or
  - 4) have a minimum three-year-aged Solar Reflective Index of 60 when determined in accordance with the Solar Reflectance Index method in ASTM E1980 using a convection coefficient of 2.1Btu/h·ft<sup>2</sup>·°F (12 W/m<sup>2</sup>·K).
- b. Steep Sloped Roofs shall have a slope of 2:12 or more and shall have a minimum initial solar reflectance of 0.25 when tested in accordance with ASTM C1549, ASTM E903, or ASTM E1918, and in addition, a minimum thermal emittance of 0.85 when tested in accordance with ASTM C1371 or ASTM E408.

Exceptions to 5.5. 3.1.2:

1. Ballasted Roofs with a minimum stone ballast of 17 lbs/ft<sup>2</sup> (74 kg/m<sup>2</sup>) or 23 lbs/ft<sup>2</sup> pavers (117 kg/m<sup>2</sup>).
2. Vegetated Roofs that are either extensively and/or intensively vegetated, containing from 3 inches to 24 inches (76 mm to 610 mm) or more of growing medium

The values for initial and/or three-year-aged solar reflectance and initial and/or three-year-aged thermal emittance of the roofing product shall be determined by a laboratory accredited by a nationally recognized organization, such as the Cool Roof Rating Council CRRC-1 Product Rating Program, and shall be labeled and certified by the manufacturer.

***[Reviewer Note: Delete Table 5.5.3.1 entirely. This change is not shown in strikethrough for easier reading.]***

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# Public Review Draft

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## FOREWORD

*This Addendum was developed to address comments received on Addendum n to Standard 90.1-2007. That Addendum extended the variable air volume fan controls to include large single zone units. That Addendum and these subsequent changes are part of an industry consensus through discussions with ARI's Large Unitary Engineering (ULE) Group.*

*The substance of these changes address the following items:*

1. *Provide a lower fan turndown for units with chilled water cooling. The 2/3 fan speed in the original requirement was provided for DX cooling units to prevent coil freezing.*
2. *Step up the implementation date for chilled water cooling units.*
3. *Retain ECB Table 11.3.2A which was marked for deletion due to an error in Addendum n (the table was struck out in the motion as the committee wanted the ECB subcommittee to address the changes to Table 11.3.2A as a separate Addendum).*
4. *Clarify the threshold for "low cooling demand."*

*Addendum n and the proposed changes have delayed implementation dates to give the industry time to change and retest their product lines. 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 2010 (CHW units) and 2012 (DX units) dates.*

***[Note to Reviewers: This public review draft makes proposed independent substantive changes to the previous public review draft. These changes are indicated in the text by underlining (for additions) and ~~strike through~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the previous draft 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

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

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Second Public Review Draft, First ISC

**6.4.3.10 Single Zone Variable Air Volume Controls:** HVAC systems shall have variable airflow controls as follows:

- a. Effective January 1, 2010, air-handling and fan-coil units with chilled water cooling coils and supply fans with motors greater than or equal to 5 hp shall have their supply fans controlled by two-speed motors or variable speed drives. At cooling demands less than or equal to 50%, the supply fan controls shall be able to reduce the airflow to no greater than the larger of the following:
1. One half of the full fan speed, or
  2. The volume of outdoor air required to meet the ventilation requirements of Standard 62.1.
- b. Effective January 1/2012 all air conditioning equipment and air-handling units with direct expansion cooling and a 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. At cooling demands less than or equal to 50%, the supply fan controls shall be able to reduce the airflow to no greater than ~~less than or equal to~~ the larger of the following:
1. Two-thirds of the full fan speed ~~at low cooling demand~~, or
  2. The volume of outdoor air required to meet the ventilation requirements of Standard 62.1.

~~Delete Table 11.3.2A in its entirety~~



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## FOREWORD

A product class for heat pump pool heaters was first established in 2002 and included in the 2004 version of ASHRAE 90.1. At that time, the minimum coefficient of performance (COP) was based on the test methods and rating conditions contained in ASHRAE 146-1998. The rating conditions in ASHRAE 146 used to rate heat pump pool heaters relied on an outdoor temperature of 80°F and an entering water temperature of 80°F.

Since then, the Air-Conditioning, Heating and Refrigeration Institute (AHRI) published ARI standard 1160 “*Performance Rating of Heat Pump Pool Heaters*”, which establishes testing and rating requirements for heat pump pool heaters. The standard makes reference to ASHRAE 146 for the test methods and provides standard rating conditions at a high (80°F) and low (50°F) outdoor temperatures (the entering water temperature being at 80°F). In addition, AHRI has launched a third-party certification program to independently verify the performance ratings (heating capacity and coefficient of performance) of heat pump pool heaters claimed by manufacturers based on ARI 1160.

This proposal establishes ARI 1160 as the test procedure for heat pump pool heaters and requires that the minimum coefficient of performance (COP) of 4 be met at the low outdoor temperature of 50°F (instead of the high outdoor temperature of 80°F currently required). These proposed changes significantly increase the stringency of ASHRAE 90.1 as heat pump pool heaters will now be required to deliver a COP of 4 at a higher temperature lift. Finally, it should be mentioned that the proposed requirements have been in place for over a year in the state of Florida, which has the largest heat pump pool heater market in the country ([http://www.dca.state.fl.us/fbc/thecode/supp\\_051006icc\\_corrected0806\\_eff.pdf](http://www.dca.state.fl.us/fbc/thecode/supp_051006icc_corrected0806_eff.pdf)).

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## Addendum y to 90.1-2007

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*[Reviewer Note: Revise Table 7.8 as follows: (IP and S-I Units)]*

### TABLE 7.8 Performance Requirements for Water Heating Equipment

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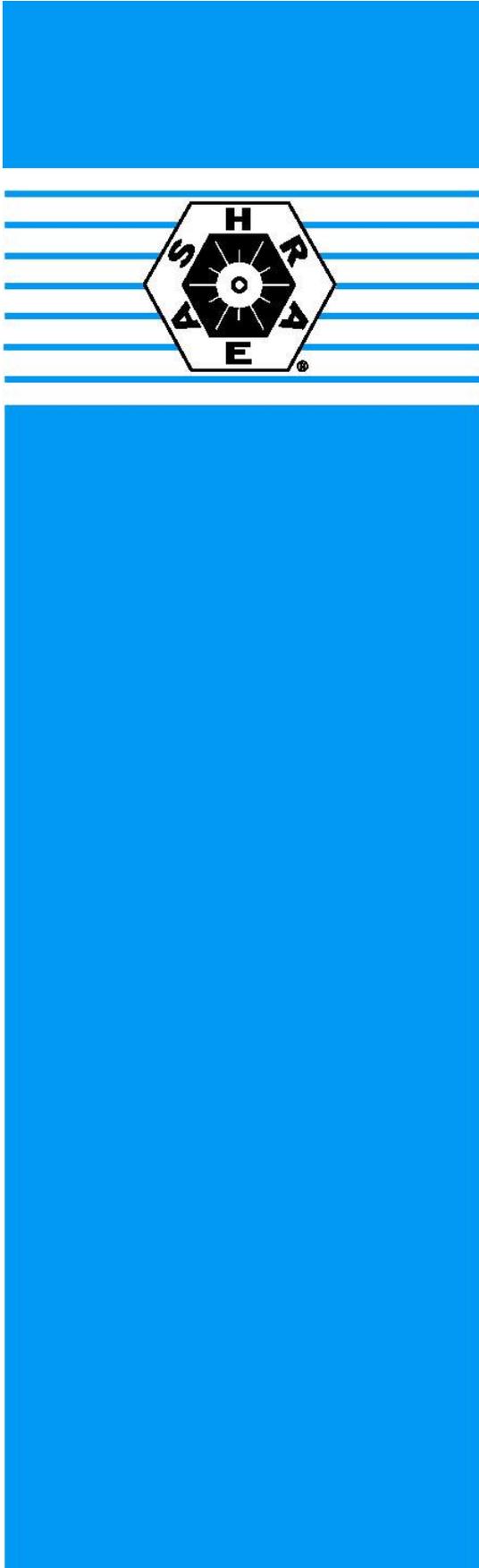
<b>Equipment Type</b>	<b>Size Category (Input)</b>	<b>Subcategory or Rating Condition</b>	<b>Minimum Efficiency</b>	<b>Test Procedure<sup>a</sup></b>
Heat pump pool heaters	All	<u>50.0°F [10.0°C]</u> db/44.2°F <u>[6.78°C] wb</u> Outdoor air <u>80.0°F [26.7°C]</u> Entering Water	4.0 COP	<del>ASHRAE</del> 146 <u>ARI 1160</u>

*Remainder of table unchanged*

*[Reviewer Note: Add reference in Chapter 12 and modify as follows:]*

~~Air Conditioning and Refrigeration Institute,~~  
Air Conditioning, Heating and Refrigeration Institute  
 4100 North Fairfax Drive, Suite 200, Arlington, VA 22203

<b>Reference</b>	<b>Title</b>
<u>ARI 1160-2008</u>	<u>Performance Rating of Heat Pump Pool Heaters</u>



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

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BSR/ASHRAE/IESNA Addendum aa 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

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

### Addendum aa to 90.1-2007

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*[Reviewer Note: Revise Section 9.4 as follows: (IP and S-I Units)]*

#### 9.4 Mandatory Provisions

**9.4.1 Lighting Control.** Building controls shall meet the provisions of 9.4.1.1, 9.4.1.2, 9.4.1.3, and 9.4.1.4.

Any automatic control device required in sections 9.4.1.1, 9.4.1.2, and 9.4.1.4 shall not be set to automatically turn the lighting on, except in the following spaces where automatic-on is allowed:

- (a) public corridors and stairwells,
- (b) restrooms,
- (c) primary building entrance areas and lobbies,
- (d) areas where manual-on operation would endanger the safety or security of the room or building occupant(s).

**9.4.1.1 Automatic Lighting Shutoff.** Interior lighting in *buildings* larger than 5000 ft<sup>2</sup> shall be controlled with an *automatic control device* to shut off *building* lighting in all spaces. This *automatic control device* shall function on either

- a. a scheduled basis using a time-of-day operated control device that turns lighting off at specific programmed times—an independent program schedule shall be provided for areas of no more than 25,000 ft<sup>2</sup> but not more than one floor—or
- b. an *occupant sensor* that shall turn lighting off within 30 minutes of an occupant leaving a space or
- c. a signal from another control or alarm system that indicates the area is unoccupied.

**Exceptions:** The following shall not require an *automatic control device*:

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- a. Lighting intended for 24-hour operation.
- b. Lighting in spaces where patient care is rendered.
- c. Lighting in spaces where an automatic shutoff would endanger the safety or security of the room or building occupant(s).

**9.4.1.2 Space Control.** Each space enclosed by ceiling height partitions shall have at least one *control device* to independently *control* the *general lighting* within the space. Each manual device shall be readily accessible and located so the occupants can see the controlled lighting.

- a. A control device shall be installed that automatically turns lighting off within 30 minutes of all occupants leaving a space, except spaces with multi-scene control, in
  - 1. classrooms (not including shop classrooms, laboratory classrooms, and preschool through 12th grade classrooms),
  - 2. conference/meeting rooms, and
  - 3. employee lunch and break rooms.
- b. These spaces are not required to be connected to other automatic lighting shutoff controls.
- c. For all other spaces, each *control device* shall be activated either manually by an occupant or automatically by sensing an occupant. Each *control device* shall *control* a maximum of 2500 ft<sup>2</sup> area for a space 10,000 ft<sup>2</sup> or less and a maximum of 10,000 ft<sup>2</sup> area for a space greater than 10,000 ft<sup>2</sup> and be capable of overriding any time-of-day scheduled shutoff *control* for no more than four hours.

**Exception:** Remote location shall be permitted for reasons of safety or security when the remote control device has an indicator pilot light as part of or next to the control device and the light is clearly labeled to identify the controlled lighting.

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#### **9.4.1.4 Additional Control**

- a. *Display/Accent Lighting*—display or accent lighting shall have a separate *control device*.
- b. *Case Lighting*—lighting in cases used for display purposes shall have a separate *control device*.
- c. *Hotel and Motel Guest Room Lighting*—hotel and motel guest rooms and guest suites shall have a master *control device* at the main room entry that *controls* all *permanently installed luminaires* and switched receptacles.
- d. *Task Lighting*—supplemental task lighting, including *permanently installed* undershelf or undercabinet lighting, shall have a *control device* integral to the *luminaires* or be controlled by a wall-mounted *control device* provided the *control device* is readily accessible and located so that the occupant can see the controlled lighting.
- e. *Nonvisual Lighting*—lighting for nonvisual applications, such as plant growth and food warming, shall have a separate *control device*.
- f. *Demonstration Lighting*—*lighting equipment* that is for sale or for demonstrations in lighting education shall have a separate *control device*.

**ICC-600 STANDARD FOR RESIDENTIAL CONSTRUCTION IN HIGH WIND REGIONS  
FOURTH PUBLIC COMMENTS DRAFT – MARCH 2008**

*This document reflects the changes to the ICC-600 Standard For Residential Construction In High Wind Regions based upon committee meeting on public comments 2/14/08. Only those sections affected are shown and are subject to public comment at this time. For more information on the development of this standard go to <http://www.iccsafe.org/cs/standards/is-hrc/index.html>.*

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**CHAPTER 2  
BUILDINGS WITH CONCRETE OR MASONRY  
EXTERIOR WALLS**

**202 GENERAL**

**202.1.7.3.1** Screws, bolts and nails shall be corrosion resistant by coating, galvanization, or composition (stainless steel, nonferrous metal, or other suitable corrosion resistant material). The corrosion resistance of galvanized fasteners with diameters over 3/8 inch shall be equal to or equivalent to that provided demonstrated by compliance with ASTM A153. The corrosion resistance of fasteners with diameters of 3/8 inch or less shall be demonstrated through one of the following methods:

1. Compliance, or Corrosion-resistance equivalent, to with ASTM A153.
2. Compliance, or Corrosion-resistance equivalent, to with ASTM A641 Class 1.
3. Corrosion resistance exhibiting not more than 5% red rust after 1000 hours exposure in accordance with ASTM B117.
4. Corrosion resistance exhibiting not more than 5% red rust after 280 hours exposure for nails, 1000 hours for roof tile fasteners or 360 hours exposure for other carbon steel fasteners in accordance with ASTM G85, ANNEX 5.

**202.1.7.3.2** Metal plates and connectors shall be stainless steel, hot dipped galvanized prior to fabrication to meet ASTM A653 Coating Designation G185, ~~or~~ hot dipped galvanized after fabrication to meet ASTM A123, or provided with a protective coating as specified by ANSI/TPI 1.

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**CHAPTER 3  
BUILDINGS WITH WOOD OR STEEL LIGHT-FRAMED EXTERIOR WALLS**

**304 FASTENERS AND CONNECTORS**

**304.3.1** Screws, bolts and nails shall be corrosion resistant by coating, galvanization, or composition (stainless steel, nonferrous metal, or other suitable corrosion resistant material). The corrosion resistance of galvanized fasteners with diameters over 3/8 inch shall be equal to or equivalent to that provided demonstrated by compliance with ASTM A153. The corrosion resistance of fasteners with diameters of 3/8 inch or less shall be demonstrated through one of the following methods:

1. Compliance, or Corrosion-resistance equivalent, to with ASTM A153.
2. Compliance, or Corrosion-resistance equivalent, to with ASTM A641 Class 1.
3. Corrosion resistance exhibiting not more than 5% red rust after 1000 hours exposure in accordance with ASTM B117.
4. Corrosion resistance exhibiting not more than 5% red rust after 280 hours exposure for nails, 1000 hours for roof tile fasteners or 360 hours exposure for other carbon steel fasteners in accordance with ASTM G85, ANNEX 5.

**304.3.2** Metal plates and connectors shall be stainless steel, hot dipped galvanized prior to fabrication to meet ASTM A653 Coating Designation G185, ~~or~~ hot dipped galvanized after fabrication to meet ASTM A123, or provided with a protective coating as specified by ANSI/TPI 1.

**BSR/UL 458 – Power Converters/Inverters and Power Converter/Inverter  
Systems for Land Vehicles and Marine Crafts**

For your convenience in review, proposed additions to the previously proposed requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

**1. Revision of cigarette lighter inputs in 12.2.1.**

12.2.1 An unit intended to be connected to the cigarette lighter outlet of a vehicle, while delivering its normal output load, shall not exceed 8-12 A at the cigarette lighter outlet.

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