ANSI STANDARDS ACTION

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Contents

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American National Standards

Call for comment on proposals listed

This section solicits your comments on proposed draft new American National Standards, including the national adoption of ISO and IEC 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 should 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.

⋆ Standard for consumer products

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

ISSN 0038-9633

Comment Deadline: March 23, 2003

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

Supplements

BSR/ASHRAE 34g-200x, Designation and Safety Classification of Refrigerants (supplement to ANSI/ASHRAE 34-1997)

Adds a designation of R-419A to the blend R-125/134a/E170 (77.0/19.0/4.0) with tolerances of (± 1.0/ ±1.0/±1.0) and a safety classification of A2.

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

Send comments (with copy to BSR) to: ASHRAE, Inc., Attention: Manager of Standards, e-mail: public.review.comments@ashrae.org

BSR/ASHRAE 34f-200x , Designation and Safety Classification of Refrigerants (supplement to ANSI/ASHRAE 34-1992)

Adds a designation of R-E170 for dimethyl ether and a safety classification of A3.

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

Send comments (with copy to BSR) to: ASHRAE, Inc., Attention: Manager of Standards, e-mail: public.review.comments@ashrae.org

BSR/ASHRAE 34h-200x, Designation and Safety Classification of Refrigerants (supplement to ANSI/ASHRAE 34-1997)

Adds a designation of R-415B to the blend R-22/152a (25.0/75.0) with tolerances of (± 1.0/ ±1.0) and a safety classification of A2.

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

Send comments (with copy to BSR) to: ASHRAE, Inc., Attention: Manager of Standards, e-mail: public.review.comments@ashrae.org

BSR/ASHRAE 62y-200x, Ventilation for Acceptable Indoor Air Quality (supplement to ANSI/ASHRAE 62-2001)

Classifies air with respect to contaminant and odor intensity and limits recirculation of lower-quality air into spaces containing higher quality air. The revisions in this draft respond to issues raised during the 3rd public review by several commenters. A new note points out that Class 1 spaces can be "reclassified" as Class 2. Classifications for Bars, cocktail lounges and Gambling casinos are added and the classification of Duplicating, printing areas is changed from 2 to 3.

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

Send comments (with copy to BSR) to: ASHRAE, Inc., Attention: Manager of Standards, e-mail: public.review.comments@ashrae.org

BSR/ASHRAE 62x-200x, Ventilation for Acceptable Indoor Air Quality (supplement to ANSI/ASHRAE 62-2001)

Revises the humidity control requirements currently described in Section 5.10. Building pressurization requirements to minimize the infiltration of moist outdoor air (which can cause condensation on building surfaces during cooling operation) have also been added. This addendum has had four public reviews and the independent substantive changes in this draft respond to recent public review comments. Proposed additions are underlined and deletions are struck through.

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

Send comments (with copy to BSR) to: ASHRAE, Inc., Attention: Manager of Standards, e-mail: public.review.comments@ashrae.org

BSR/ASHRAE 62aa-200x , Ventilation for Acceptable Indoor Air Quality (supplement to ANSI/ASHRAE 62-2001)

Addendum 62aa adds requirements related to outdoor air intake protection, such as including minimum separation distance from common outdoor contaminant sources, preventing rain intrusion or entrainment; and providing bird screening. The revisions in this draft respond to comments raised in the first public review. A complete version of this addendum, reflecting the changes in this public review, is available at ftp.ashrae.org under the SSPC621 directory under the name 62aa2ndPRfull.doc.

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

Send comments (with copy to BSR) to: ASHRAE, Inc., Attention: Manager of Standards, e-mail: public.review.comments@ashrae.org

Comment Deadline: April 7, 2003

AMT (ASC B11) (Association for Manufacturing Technology)

Revisions

BSR B11.10-1990 (R1997), Safety Requirements for Metal Sawing Machines (revision of ANSI B11.10-1990 (R1997))

Covers the safety requirements as they relate to the design, installation, safeguarding, operation and maintenance of powered machines used to saw metals.
Single copy price: Free

Order from: Deedra Sights, AMT (ASC B11); dsights@amtonline.org
Send comments (with copy to BSR) to: David Felinski, AMT (ASC B11); dfelinski@mfgtech.org

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

New Standards

BSR/ASHRAE 158.1P-200x, Methods of Testing Capacity of Refrigerant Solenoid Valves (new standard)

Provides a means of accurately measuring the refrigerant mass flow capacity of solenoid valves. The flow capacity may be expressed in terms of refrigerating effect with various refrigerants by performing simple thermodynamic computations. It is anticipated that the Air Conditioning & Refrigeration Institute (ARI) will revise its Standard 760, entitled Solenoid Valves for Use With Volatile Refrigerants, to require that this standard be used as a method of test for capacity.
Single copy price: Free at www.ashrae.org

Order from: Beverly Fulks, ASHRAE; bfulks@ashrae.org
Send comments (with copy to BSR) to: ASHRAE, Inc., Attention: Manager of Standards, e-mail: public.review.comments@ashrae.org

Revisions

BSR/ASHRAE 32.1-200x, Methods of Testing for Rating Vending Machines for Bottled, Canned and Other Sealed Beverages (revision of ANSI/ASHRAE 32.1-1997)

Expands its scope to include not only vending machines for bottled and canned beverages but also newer machines that vend beverages in other types of sealed containers.
Single copy price: Free at www.ashrae.org

Order from: Beverly Fulks, ASHRAE; bfulks@ashrae.org
Send comments (with copy to BSR) to: ASHRAE, Inc., Attention: Manager of Standards, e-mail: public.review.comments@ashrae.org

Supplements

BSR/ASHRAE 135a-200x, BACnet - A Data Communication Protocol for Building Automation and Control Networks (supplement to ANSI/ASHRAE 135-1995)

The independent substantive changes proposed in this draft make it possible to configure the Schedule object for non-day-long events, to create full-day schedules for exception schedules that partially overlap, to determine what value should be presented in Present_Value on days when there are no scheduled actions or no schedules in the object, to override the internal calculations of the Schedule object for manual operation, and to allow the Schedule object to indicate incorrect configuration.
Single copy price: Free at www.ashrae.org

Order from: Beverly Fulks, ASHRAE; bfulks@ashrae.org
Send comments (with copy to BSR) to: ASHRAE, Inc., Attention: Manager of Standards, e-mail: public.review.comments@ashrae.org

ATIS (ASC T1) (Alliance for Telecommunications Industry Solutions)

New Standards

BSR T1.336-200x, Engineering Requirements for a Universal Telecom Framework (new standard)

Sets forth-dimensional parameters, performance and the application criteria for the UTF when used to house electronics equipment in telecom facilities. The requirements shall be used in the design; construction and provisioning of UTF supplied to the telecommunications industry to house electronics equipment.
Single copy price: $96.00 (Download Price); $111.00 (Paper Copy)

Order from: Jacqueline Brown-Ervin, ATIS (ASC T1); jbrown@atis.org
Send comments (with copy to BSR) to: Susan Carioti, ATIS (ASC T1); scarioti@atis.org

FCI (Fluid Controls Institute)

New Standards

BSR/FCI 99-2-200x, Pressure Reducing Regulator Capacity (new standard)

To provide a test methodology for measuring and reporting the capacity of pilot operated and direct acting pressure reducing regulators.
Single copy price: Free

Order from: Leslie Schraff, FCI; fci@fluidcontrolsinstitute.org
Send comments (with copy to BSR) to: Same

ITI (INCITS)

New Standards

BSR INCITS 371.1-200x, Information technology - Real Time Locating Systems (RTLS) - Part 1: 2.4 GHz Air Interface Protocol (new standard)

INCITS 371.1 is one of the two Air Interface Protocols, establishes a technical standard for an RTLS air protocol, specifically, RTLS transmitters operating in 2.4 GHz ISM frequency bands at appropriate license-free power levels for the US with broad international application.

Single copy price: $18.00

Order from: Techstreet
Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS); dspittle@itic.org

BSR INCITS 371.2-200x, Information technology - Real Time Locating Systems (RTLS) - Part 2: 433 MHz Air Interface Protocol (new standard)

INCITS 371.2 is one of the two Air Interface Protocols, establishes a technical standard for an RTLS air protocol, specifically, RTLS transmitters operating in 433 MHz frequency bands at appropriate license-free power levels for the US with broad international application.
Single copy price: $18.00

Order from: Techstreet
Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS); dspittle@itic.org

BSR INCITS 371.3-200x, Information technology - Real Time Locating Systems (RTLS) - Part 3: Application Programming Interface (new standard)

This National Standard defines an API specification that serves as a boundary across which application software uses facilities of programming languages to invoke the services of the RTLS Air Interface Protocol standard as defined by INCITS T20.
Single copy price: $18.00

Order from: Techstreet
Send comments (with copy to BSR) to: Deborah Spittle, ITI (INCITS); dspittle@itic.org

New National Adoptions

BSR/ISO/IEC 18014-2-200x, Information technology - Security techniques - Time-stamping services - Part 2: Mechanisms producing independent tokens (identical national adoption)

A time-stamping service provides evidence that a data item existed before a certain point in time. Time-stamp services produce time-stamp tokens, which are data structures containing a verifiable cryptographic binding between a data item's representation and a time-value. This part of ISO/IEC 18014 defines time-stamping mechanisms that produce independent tokens, which can be verified one by one.
Single copy price: $70.00

Order from: ANSI
Send comments (with copy to BSR) to: Barbara Bennett, ITI (INCITS); bbennett@itic.org

Supplements

BSR/ISO/IEC 14496-5-2001 - Amendment 1-2002, Information technology - Coding of audio-visual objects - Part 5: Reference software - - Amendment 1: Reference software for MPEG-4 (supplement to INCITS/ISO/IEC 14496-5-2001)

Amends the reference software for MPEG-4 to ISO/IEC 14496-5: 2001.
Single copy price: $29.00

Order from: ANSI
Send comments (with copy to BSR) to: Barbara Bennett, ITI (INCITS); bbennett@itic.org

NAAMM (National Association of Architectural Metal Manufacturers)

New Standards

BSR/NAAMM HMMA 862-200x, Guide Specifications for Commercial Security Hollow Metal Doors and Frames (new standard)

Specification for hollow metal doors and frames for use in commercial, industrial, and government projects, where security is of paramount concern. Typical applications include office buildings, warehouses, industrial buildings, embassies, convention centers, and government buildings. Performance criteria is established to frustrate forced entry, ballistic penetration, and blast resistance.
Single copy price: $10.00

Order from: Wendy Tweedie, NAAMM; naamm@gss.net
Send comments (with copy to BSR) to: Edward Estes, NAAMM; estesassos@cox.net

NSF (NSF International)

Revisions

BSR/NSF 44-200x (i16), Residential cation exchange water softeners (revision of ANSI/NSF 44-2002)

Issue 16: Revisions to parts of section 4 and tables 1 & 2.
Single copy price: $35.00

Order from: www.nsf.org
Send comments (with copy to BSR) to: T. Duncan Ellison, c/o Lorna Badman

SPI (The Society of the Plastics Industry, Inc.)

Revisions

BSR/SPI B151.21-200x, Injection Blowmolding Machinery - Safety Requirements for Manufacture, Care and Use (revision of ANSI/SPI B151.21-2000)

The requirements of this standard shall apply to all injection blowmolding machines (IBMMs - including stretch blow) that process plastic materials and produce and/or deliver a perform that is then blown into the shape of a mold held together by vertically or horizontally acting clamp(s).
Single copy price: Free

Order from: Rebecca Martin, SPI; rmartin@socplas.org
Send comments (with copy to BSR) to: Walt Bishop, SPI; wbishop@socplas.org

Withdrawals

BSR/SPI B151.15-2000, Extrusion Blowmolding Machines - Safety requirements for manufacture, care and use (withdrawal of ANSI/SPI B151.15-2000)

Applies to all Extrusion Blowmolding Machines that process plastic materials to form a parison that is blown into the shape of a mold held by a clamp(s).
Single copy price: Free

Order from: Rebecca Martin, SPI; rmartin@socplas.org
Send comments (with copy to BSR) to: Walt Bishop, SPI; wbishop@socplas.org

TIA (Telecommunications Industry Association)

Revisions

BSR/TIA 604-2-A-200x, FOCIS2 - Fiber Optic Connector Intermateability Standard, Type ST (revision of ANSI/TIA 604-2A-1997 (R2002))

Presents the intermateability standard for connectors with the commercial designation ST.
Single copy price: Free

Order from: Global Engineering Documents; http://global.ihs.com/
Send comments (with copy to BSR) to: Billie Zidek-Conner, TIA: bzidekco@tia.eia.org

UL (Underwriters Laboratories, Inc.)

New Standards

BSR/UL 758-200x, Appliance Wiring Materials (Bulletin Dated January 31, 2003) (new standard)

Covers Appliance Wiring Material (AWM) in the form of single insulated conductors, multi-conductor cables, optical fibers, individual insulated conductors, and fiber optic members for use as components in multi-conductor cables.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000
Send comments (with copy to BSR) to: Derrick Martin, UL-CA; Derrick.L.Martin@us.ul.com

BSR/UL 781-200x, Portable Electric Lighting Units for Use in Hazardous (Classified) Locations (new standard)

Covers portable electric light units for indoor use in hazardous (classified) locations, Class I, Division 1, Groups C and D, and Class II, Division 1, Groups F and G, in accordance with the National Electrical Code, NFPA 70. These requirements also cover explosion-proof electrical equipment for use in Class I, Zone 1, Groups IIA, IIB, and IIC hazardous (classified) locations.
Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000
Send comments (with copy to BSR) to: Sarah Brooks, UL-NC; sarah.a.brooks@us.ul.com

BSR/UL 2024-200x, Optical Fiber Cable Raceway (Bulletin Dated 2/21/03) (new standard)

Covers the following types of optical fiber cable raceways and fittings designed for use with optical fiber cables in accordance with the National Electrical Code (NEC):

1) Plenum - Evaluated for installation in ducts, plenums, or other spaces used for environmental air in accordance with the NEC as well as general purpose applications;

2) Riser - Evaluated for installation in risers in accordance with the NEC as well as general purpose applications;

3) General Use - Evaluated for general purpose applications only.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000
Send comments (with copy to BSR) to: Paul Lloret, UL-CA; Paul.E.Lloret@us.ul.com

BSR/UL 2390-200x, Standard for Safety for Wind Uplift Coefficients for Sealed-Tab Roof Shingles (Bulletin dated February 21, 2003) (new standard)

Provides a means of determining wind uplift coefficients (DCp's) for asphalt singles subjected to an air flow perpendicular to and across the shingle surface.
Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000
Send comments (with copy to BSR) to: Mitchell Gold, UL-IL; Mitchell.Gold@us.ul.com

Revisions

BSR/UL 508-200x, Standard for Safety for Industrial Control Equipment (Bulletin Dated: February 25, 2003) (revision of ANSI/UL 508-2002)

Covers industrial control devices, rated 1500 volts or less, and devices accessory thereto, for starting, stopping, regulating, controlling, or protecting electric motors. Also covers industrial control devices or systems that store or process information and are provided with an output motor control function(s). For use in ordinary locations in accordance with the NEC, NFPA 70.
Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000
Send comments (with copy to BSR) to: Warren Casper, UL-NC; Christopher.W.Casper@us.ul.com

★ BSR/UL 60065-200x, Audio, Video and Similar Electronic Apparatus - Safety Requirements (Bulletin Dated 2/14/03) (revision and redesignation of ANSI/UL 6500-1998)

Applies to electronic apparatus designed to be fed from the mains, a supply apparatus, batteries or remote power feeding and intended for reception, generation, recording or reproduction respectively of audio, video and associated signals. It applies to apparatus designed to be used exclusively in combination with the apparatus noted above. This standard primarily concerns apparatus intended for household and similar general use but may also be used in places of public assembly such as schools, theatres, places of worship and the workplace.
Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000
Send comments (with copy to BSR) to: Barbara Davis, UL-CA; Barbara.J.Davis@us.ul.com

Comment Deadline: April 22, 2003

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

AGMA (American Gear Manufacturers Association)

New Standards

BSR/AGMA 1102-200x, Tolerance Specification of Gear Hobs (new standard)

Provides specifications for nomenclature, dimensions, tolerances, and inspection for gear hobs. It establishes a basis for understanding the use and manufacture of these tools.
Single copy price: $30.00

Order from: William Bradley, AGMA; tech@agma.org
Send comments (with copy to BSR) to: Same

AWWA (American Water Works Association)

New Standards

BSR/AWWA C750-200x, Transit-Time Flowmeters in Full Closed Conduits (new standard)

Describes transit-time ultrasonic flowmeters for water supply service application.

Single copy price: $5.00

Order from: Jim Wailes, AWWA; jwailes@awwa.org
Send comments (with copy to BSR) to: Same

Revisions

BSR/AWWA C400-200x, Asbestos-Cement Pressure Pipe, 4 In. Through 16 In. (100 mm through 400 mm), for Water Distribution Systems (revision of ANSI/AWWA C400-1993 (R98))

Covers type I and type II asbestos-cement pressure pipe sizes from 4 in. (100 mm) through 16 in. (400 mm) in pressure classes 100, 150, and 200. The pipe is intended for the underground conveyance of water in distribution systems.
Single copy price: $5.00

Order from: Jim Wailes, AWWA; jwailes@awwa.org
Send comments (with copy to BSR) to: Same

Call for Comment Contact Information

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

Order from:

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comm2000
1414 Brook Drive
Downers Grove, IL 60515
Web: www.comm-2000.com

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15 Inverness Way East
Englewood, CO 80112-5704
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Web: www.global.ihs.com

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Web: www.plasticsindustry.org

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Fax: (216) 241-0105

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Historic Northern Brewery Building
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Ann Arbor, MI 48105
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12 Laboratory Drive
Research Triangle Park, NC 27709
Phone: (919) 549-1894
Fax: (919) 547-6175

Initiation of Canvasses

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

SPI (The Society of the Plastics Industry, Inc.)

Office: 1801 K Street, NW, Suite 400
Washington, DC 20006

Contact: *Walt Bishop*

Phone: (202) 974-5230

Fax: (202) 293-0617

E-mail: wbishop@socplas.org

BSR/SPI B151.15-2000, Extrusion Blowmolding Machines - Safety requirements for manufacture, care and use (withdrawal of ANSI/SPI B151.15-2000)

BSR/SPI B151.21-200x, Injection Blowmolding Machinery - Safety Requirements for Manufacture, Care and Use (revision of ANSI/SPI B151.21-2000)

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.

ASC X9 (Accredited Standards Committee X9, Incorporated)

Withdrawals

ANSI X9.56-1996, Industry Standardization for Institutional Trade Communications (ISITC) (withdrawal of ANSI X9.56-1996): 2/13/2003

ASME (American Society of Mechanical Engineers)

New National Adoptions

ANSI/ASME Y14.40.15-2003, Graphical Symbols for Diagrams - Part 15: Installation Diagrams and Network Maps (identical national adoption): 2/13/2003

Revisions

ANSI/ASME B30.4-2003, Portal, Tower, and Pedestal Cranes (revision of ANSI/ASME B30.4-1996): 2/19/2003

ANSI/ASME B30.6-2003, Derricks (revision of ANSI/ASME B30.6-1995): 2/19/2003

ANSI/ASME B30.13-2003, Storage/Retrieval (S/R) Machines and Associated Equipment (revision of ANSI/ASME B30.13-1996): 2/19/2003

BHMA (Builders Hardware Manufacturers Association)

Revisions

ANSI/BHMA A156.22-2003, Gasketing and Edge Seal Systems (revision of ANSI/BHMA A156.22-1996): 2/13/2003

BIFMA (Business and Institutional Furniture Manufacturers Association)

Revisions

ANSI/BIFMA X5.6-2003, Office Furnishings - Panel Systems - Tests (revision of ANSI/BIFMA X5.6-1993): 2/13/2003

EOS/ESD (ESD Association, Inc.)

Reaffirmations

ANSI/ESD STM7.1-1994 (R2003), ESD Association Standard for the Protection of Elelctrostatic Discharge Susceptible Items: Symbols ESD Awareness (reaffirmation and redesignation of ANSI/ESD S7.1-1994): 2/19/2003

ANSI/ESD STM11.11-1993 (R2003), ESD Association Standard for Protection of Electrostatic Discharge Susceptible Items - Symbols ESD Awareness (reaffirmation and redesignation of ANSI/EOS/ESD S11.11-1993): 2/19/2003

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

New National Adoptions

INCITS/ISO/IEC 7811-1-2002, Identification cards - Recording technique - Part 1: Embossing (identical national adoption): 2/13/2003

Withdrawals

INCITS/ISO/IEC 7811-4-1995, Identification Cards - Recording Technique - Part 4: Location of Read-Only Magnetic Tracks 1 and 2 (withdrawal of INCITS/ISO/IEC 7811-4-1995): 2/13/2003

INCITS/ISO/IEC 7811-5-1995, Identification Cards - Recording Technique - Part 5: Location of Read-Write Magnetic Track - Track 3 (withdrawal of INCITS/ISO/IEC 7811-5-1995): 2/13/2003

SCTE (Society of Cable Telecommunications Engineers)

New Standards

ANSI/SCTE 59-2003, Center Conductor Bond to Dielectric Bond (new standard): 2/13/2003

ANSI/SCTE 80-2003, In-Band Data Broadcast Standard including Out of Band Announcements (new standard): 2/13/2003

UAMA (ASC B74) (Unified Abrasive Manufacturers' Association)

New Standards

ANSI B74.2-2003, Specifications for Shapes and Sizes of Grinding Wheels, and for Shapes, Sizes and Identification of Mounted Wheels (new standard): 2/13/2003

Correction

ANSI B11.4-2003

The standard listed above appeared in the Final Actions section of the February 14th issue of Standards Action with the wrong title. The correct title is: Machine Tools - Safety Requirements for Shears. The standard was approved on 1/31/03.

IEC Draft International Standards

This section lists proposed standards that the International Electrotechnical Commission (IEC) is considering for approval. The proposals have received substantial support within the technical committees or subcommittees that developed them and are now being circulated to 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 IEC documents should be sent to Charles T. Zegers, at ANSI's New York offices. The final date for offering comments is listed after each draft.

Ordering Instructions

Global Engineering Documents
15 Inverness Way East
Englewood, CO 80112-5704
phone: (800) 854-7179
fax: (303) 379-7956
e-mail: global@ihs.com
web: http://global.ihs.com

1/1893/FDIS, IEV 60050-482: International Electrotechnical Vocabulary - Part 482: Primary and secondary cells and batteries (Revision of IEV Parts 481 and 486 Primary and secondary batteries), 04/11/2003

9/741/FDIS, Railway applications - Fixed installations - Part 1: Protective provisions relating to electrical safety and earthing, 04/18/2003

15C/1460/FDIS, IEC 60684-1, Ed. 2: Flexible insulating sleeving - Part 1: Definitions and general requirements, 04/18/2003

15C/1461/FDIS, IEC 60455-3-1, Ed.2: Resin based reactive compounds used for electrical insulation - Part 3: Specifications for individual materials - Sheet 1: Unfilled epoxy resinous compounds, 04/11/2003

15C/1462/FDIS, IEC 60455-3-2, Ed.2: Resin based reactive compounds used for electrical insulation - Part 3: Specifications for individual materials - Sheet 2: Quartz filled epoxy resinous compounds, 04/11/2003

15C/1463/FDIS, IEC 60455-3-3, Ed.2: Resin based reactive compounds used for electrical insulation - Part 3: Specifications for individual materials - Sheet 3: Unfilled polyurethane compounds, 04/11/2003

15C/1464/FDIS, IEC 60455-3-4, Ed.2: Resin based reactive compounds used for electrical insulation - Part 3: Specifications for individual materials - Sheet 4: Filled polyurethane compounds, 04/11/2003

15C/1465/FDIS, Amendment 1 to IEC 60684-2, Ed. 2: Flexible insulating sleeving - Part 2: Methods of test, 04/18/2003

15C/1466/FDIS, IEC 60684-3-340 to 342, Ed. 2: Flexible insulating sleeving - Part 3: Specification for individual types of sleeving - Sheets 340 to 342: Expandable braided polyethylene terephthalate textile sleeving, 04/18/2003

15C/1467/FDIS, IEC 60684-3-116 and 117, Ed. 2: Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheets 116 and 117: Extruded polychloroprene - General purpose, 04/18/2003

17B/1274/FDIS, IEC 60999-2, Ed. 2: Connecting devices - Electrical copper conductors - Safety requirements for screw-type and screwless-type clamping units - Part 2: Particular requirements for clamping units for conductors above 35 mm2 up to 300 mm2 (included), 04/18/2003

20/599/FDIS, IEC 61238-1, Ed. 2: Compression and mechanical connectors for power cables for rated voltages up to 30 kV (Um= 36 kV) - Part 1: Test methods and requirements, 04/18/2003

23H/132/FDIS, IEC 62196-1 Ed.1: Plugs, socket-outlets, vehicle couplers and vehicle inlets - Conductive charging of electric vehicles - Part 1: Charging of electric vehicles up to 250A a.c. and 400A d.c., 04/11/2003

33/389/FDIS, IEC 60252-2, Ed.1: A.C. motor capacitors - Part 2: Motor start capacitors, 04/11/2003

34A/1027/FDIS, IEC 61549 Ed.2 - Miscellaneous lamps, 04/11/2003

34B/1070/FDIS, IEC 60061: Lamp caps and holders together with gauges for the control of interchangeability and safety Part 1: Lamp caps - Amendment 31, 04/11/2003

34B/1071/FDIS, IEC 60061: Lamp caps and holders together with gauges for the control of interchangeability and safety Part 2: Lampholders - Amendment 28, 04/11/2003

34B/1072/FDIS, IEC 60061: Lamp caps and holders together with gauges for the control of interchangeability and safety Part 3: Gauges - Amendment 30, 04/11/2003

34B/1073/FDIS, IEC 60061: Lamp caps and holders together with gauges for the control of interchangeability and safety Part 4: Guidelines and general information - Amendment 8, 04/11/2003

40/1288/FDIS, IEC 60393-6: Potentiometers for use in electronic equipment - Part 6: Sectional specification: Surface mount preset potentiometers, 04/18/2003

40/1289/FDIS, IEC 60393-6-1: Potentiometers for use in electronic equipment - Part 6-1: Blank detail specification: Surface mount preset potentiometers. Assessment level E, 04/18/2003

45/519/FDIS, 60405 Ed. 2: Nuclear instrumentation - Constructional requirements and classification of radiometric gauges, 04/11/2003

46A/532/FDIS, 61935-2 Ed. 1: Generic cabling systems - Specification for the testing of balanced communication cabling in accordance with ISO/IEC 11801 - Part 2: Patch cords and work area cords, 04/11/2003

47D/531/FDIS, IEC 60191-6-4, Ed.1: Mechanical standardization of semiconductor devices - Part 6-4: General rules for the preparation of outline drawings of surface mounted semiconductor device packages - Measuring methods for package dimensions of ball grid array (BGA), 04/18/2003

49/587/FDIS, Surface acoustic wave (SAW) filters of assessed quality - Part 1 Generic specification, 04/18/2003

86C/518/FDIS, IEC 61291-4 Ed 1.0: Optical Amplifiers - Part 4: Multichannel applications - Performance specification template, 04/11/2003

86A/848/FDIS, IEC 60794-1-2 Ed 2.0: Optical Fibre Cables - Part 1-2: Generic specification - Basic optical cable test procedures, 04/11/2003

86A/849/FDIS, IEC 60793-1-48 Ed 1.0: Optical Fibres - Part 1-48: Measurement methods and test procedures - Polarization mode dispersion, 04/18/2003

90/137/FDIS, IEC 61788-13 ed.1: Superconductivity - Part 13: AC Loss Measurements - Magnetometer methods for hysteresis loss in Cu/Nb-Ti multifilamentary composites, 04/18/2003

100/643/FDIS, 60958-4 Ed. 2: Digital audio interface - Part 4: Professional applications (TA 4), 04/11/2003

100/644/FDIS, 61937-1 Ed. 1: Digital audio - Interface for non-linea PCM encoded audio bitstreams applying IEC 60958 - Part 1: General (TA 4), 04/11/2003

100/645/FDIS, 61937-2 Ed. 1: Digital audio - Interface for non-linea PCM encoded audio bitstreams applying IEC 60958 - Part 2: Burst-info (TA 4), 04/11/2003

100/646/FDIS, 61937-3 Ed. 1: Digital audio - Interface for non-linea PCM encoded audio bitstreams applying IEC 60958 - Part 3: Non-linear PCM bitstream according to the AC-3 format (TA 4), 04/11/2003

100/647/FDIS, 61937-4 Ed. 1: Digital audio - Interface for non-linea PCM encoded audio bitstreams applying IEC 60958 - Part 4: Non-linear PCM bitstream according to the MPEG audio format (TA 4), 04/11/2003

100/648/FDIS, 60268-5 Ed.3: Sound system equipment - Part 5: Loudspeakers, 04/11/2003

100/649/FDIS, IEC 61603-7: Transmission systems for audio and/or video and related signals using infrared radiation - Part 7: Transmission systems for digital audio signals for conference and similar applications, 04/18/2003

100/650/FDIS, IEC 60268-16: Sound system equipment - Part 16: Objective rating of speech intelligibility by speech transmission index, 04/18/2003

100/651/FDIS, IEC 61305-5: Household high-fidelity audio equipment and systems - Methods of measuring and specifying the performance - Part 5: Loudspeakers, 04/18/2003

Newly Published ISO Standards

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

Weblinks are now provided from Standards Action to ANSI's Electronic Standards Store. To purchase a PDF copy of the desired standard, click on the blue, underlined designation.

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 10540-2:2003, Animal and vegetable fats and oils - Determination of phosphorus content - Part 2: Method using graphite furnace atomic absorption spectrometry, $33.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO 11754:2003, Space data and information transfer systems - Telemetry channel coding, $92.00

ISO 12172:2003, Space data and information transfer systems - Telecommand - Data routing service, $92.00

ISO 12173:2003, Space data and information transfer systems - Telecommand - Command operation procedures, $97.00

ISO 12174:2003, Space data and information transfer systems - Telecommand - Architectural specification for the data management service, $88.00

ISO 13419:2003, Space data and information transfer systems - Packet telemetry, $84.00

ISO 15889:2003, Space data and information transfer systems - Data description language - EAST specification, $121.00

ISO 17433:2003, Space data and information transfer systems - Packet telemetry services, $103.00

CLINICAL LABORATORY TESTING AND IN VITRO DIAGNOSTIC TEST SYSTEMS (TC 212)

ISO 15189:2003, Medical laboratories - Particular requirements for quality and competence, $84.00

HOROLOGY (TC 114)

ISO 3160-2:2003, Watch-cases and accessories - Gold alloy coverings - Part 2: Determination of fineness, thickness, corrosion resistance and adhesion, $42.00

PAINTS AND VARNISHES (TC 35)

ISO 8502-12:2003, Preparation of steel substrates before application of paints and related products - Tests for the assessment of surface cleanliness - Part 12: Field method for the titrimetric determination of water-soluble ferrous ions, $26.00

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

ISO 4435:2003, Plastics piping systems for non-pressure underground drainage and sewerage - Unplasticized poly(vinyl chloride) (PVC-U), $62.00

PLASTICS (TC 61)

ISO 2113/Cor1:2003, Textile glass - Woven fabrics - Basis for specification - Corrigendum, FREE

ISO 15105-2:2003, Plastics - Film and sheeting - Determination of gas-transmission rate - Part 2: Equal-pressure method, $51.00

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

ISO 11607:2003, Packaging for terminally sterilized medical devices, $62.00

ISO Technical Reports

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/TR 17400:2003, Space systems - Space launch complexes, integration sites and other facilities - General testing guidelines, $62.00

FLUID POWER SYSTEMS (TC 131)

ISO/TR 16806:2003, Pneumatic fluid power - Cylinders - Load capacity of pneumatic slides and their presentation method, $42.00

ROAD VEHICLES (TC 22)

ISO/TR 10305-1:2003, Road vehicles - Calibration of electromagnetic field strengh measuring devices - Part 1: Devices for measurement of electromagnetic fields at frequencies > 0 Hz, $80.00

ISO/TR 10305-2:2003, Road vehicles - Calibration of electromagnetic field strength measuring devices - Part 2: IEEE standard for calibration of electromagnetic field sensors and probes, excluding antennas, from 9 kHz to 40 GHz, $103.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 9318-4:2002, Information technology - Intelligent Peripheral Interface - Part 4: Device generic command set for magnetic tape drives (IPI-3 tape), $103.00

Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.

The following is a list of alphanumeric organization names that have been submitted to ANSI for registration. Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

PUBLIC REVIEW

Sonus Networks

Organization: Sonus Networks, Inc.
5 Carlisle Road
Westford, MA 01886
Contact: Mike Mosca
PHONE: 978-589-8539; FAX: 978-392-9118
E-mail: Mmosca@sonusnet.com

Public review: January 27, 2003 to April 27, 2003

NOTE: Challenged alphanumeric names are underlined. The Procedures for Registration provide for a challenge process, which follows in brief. For complete details, see Section 6.4 of the Procedures.

A challenge is initiated when a letter from an interested entity is received by the Registration Coordinator. The letter shall identify the alphanumeric organization name being challenged and state the rationale supporting the challenge. A challenge fee shall accompany the letter. After receipt of the challenge, the alphanumeric organization name shall be marked as challenged in the Public Review list. The Registration Coordinator shall take no further action to register the challenged name until the challenge is resolved among the disputing parties.

Proposed Foreign Government Regulations

Call for Comment

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

To distribute information on these proposed foreign technical regulations, the National Center for Standards and Certification Information (NCSCI), National Institute of Standards and Technology (NIST), provides an on-line service - Export Alert! - that allows interested parties to register and obtain notifications, via e-mail, for countries and industry sectors of interest to them. To register, go to http://ts.nist.gov/ncsci and click on "Export Alert!".

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

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

Information Concerning

Accredited Standards Committees

Change in Scope of Accreditation

ASC A250 - Steel Doors and Frames

Accredited Standards Committee A250, Steel Doors and Frames, has requested the removal of the word "standard" (currently in front of the words "steel doors") from its scope of standards activity. The revised scope reads as follows:

Development of standards for dimensions, nomenclature, construction, performance testing, and installation of steel doors and frames used in residential and commercial construction.

For additional information, please contact the Secretariat of ASC A250: Mr. J. Jeffrey Wherry, Managing Director, Steel Door Institute, 30200 Detroit Road, Cleveland, OH 44145-1967; PHONE: (440) 899-0010; FAX: (440) 892-1404; E-mail: jjw@wherryassoc.com.

Accredited Organizations

Approval of Accreditation

Steel Deck Institute

The Executive Standards Council has approved the accreditation of the Steel Deck Institute (SDI) as a developer of American National Standards, effective February 11, 2003. For additional information, please contact: Mr. Carl Koehler, c/o Nicholas J. Bouras, Inc., P.O. Box 662, Summit, NJ 07901; PHONE: (908) 277-1617; FAX: (908) 277-1619; E-mail: carlkoehler@bourasind.com.

International Organization for Standardization (ISO)

ISO Subcommittee Secretariat

ISO/TC 5/SC 10 - Ferrous metal pipes and metallic fittings - Metallic flanges and their joints

Comment Deadline: April 22, 2003

ASME has requested to serve as the US delegated Secretariat for this International Subcommittee.

The scope of ISO/TC 5 as follows:

Standardization in the field of steel tubes, cast iron pipes, flexible metallic tubes and metallic fittings, flanges, pipe supports, pipe threads and gauges, metallic and organic coatings and protections.

Excluded : steel for tubes (ISO/TC 17); aircraft pipes (ISO/TC 20); tubes and equipment (other than flanges) pipe threads and gauging within the field of work of the petroleum and natural gas industries (ISO/TC 67); connections for fluid power systems (ISO/TC 131).

Any organization wishing to comment on the delegation of the ISO/TC 5/SC 10 Secretariat to ASME, please contact Henrietta Scully via email: hscully@ansi.org; mail: c/o ANSI, 25 West 43rd Street, New York, NY 10036; or fax to (212) 730-1346 by April 22, 2003.

Meeting Notices

American Society of Safety Engineers (ASSE)

ANSI Z15 Subcommittee

On March 28, 2003, the ANSI Z15-200X "Safety Requirements for Motor Vehicle Fleet Operations" committee will meet at ASSE Headquarters in Des Plaines, Illinois. For more information, contact Patrick Arkins at parkins@asse.org.

ANSI Z359 Committee and US TAG to ISO TC94/SC4

On April 9, 2003, the ANSI Z359.0-200X “Managed Fall Protection Program” Subcommittee will meet at ASSE Headquarters from 10:00 am to 5:00 pm.

On April 10, 2003, US TAG to ISO TC 94/SC4 committee will meet at ASSE Headquarters from 9:00 am to 12:00 pm.

The Executive Z359 Committee will meet at ASSE Headquarters on April 10, 2003 from 1:00 pm to 5:00 pm.

Finally, on April 11, 2003, the full ANSI Z359.1-1992 (R1999) “Safety Requirements for Personal Fall Arrest Systems, Subsystems and Components” Committee will meet at ASSE Headquarters in Des Plaines, Illinois from 9:00 am to 12:00 pm.

For more information contact Patrick Arkins at parkins@asse.org

ANSI A1264.1 and A1264.2

On April 23 and 24, 2003, the ANSI A1264.1-1995 (R2002) "Safety Requirements for workplace floor and wall openings, stairs and railing systems" committee as well as the A1264.2-2001 " Standard for the Provision of Slip Resistance on Walking/ Working Surfaces" committee will meet at ASSE Headquarters in Des Plaines, Illinois. For more information, contact Patrick Arkins at parkins@asse.org.

BSR/ASHRAE Addendum *g* to ANSI/ASHRAE Standard 34-2001

This supplement will be submitted to the American National Standards Institute Board of Standards Review (BSR) for approval.

ASHRAE®
STANDARD

Designation and Safety Classification of Refrigerants

FIRST PUBLIC REVIEW

February 2003

This draft has been recommended for public review by the responsible project committee. Public review of this proposed addendum has been authorized by a subcommittee of the Standards Committee. Until final approval by the ASHRAE Board of Directors, this draft addendum is subject to modification, and Standard 34-2001 remains in effect. Instructions and a form for commenting are provided with this draft. Although reproduction of drafts during the public review period is encouraged to promote additional comment, permission must be obtained to reproduce all or any part of this document from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329-2305. Phone: 404-636-8400, Ext. 502. Fax: 404-321-5478. E-mail cramspeck@ashrae.org

The parent standard, not including this proposed change, is under continuous maintenance. The change submittal form, instructions and deadlines may be obtained in electronic form from ASHRAE's Internet Home Page, *http://www/ashrae.org*, or in paper form from the Manager of Standards. The latest edition of an ASHRAE Standard and printed copies of a public review draft may be purchased from ASHRAE Customer Service, 1791 Tullie Circle, NE, Atlanta, GA 30329-2305. E-mail: *orders@ashrae.org*. Fax: 404-321-5478. Telephone: 404-636-8400 (worldwide), or toll free 1-800-527-4723 (for orders in U.S. and Canada).

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 34-2001, *Designation and Safety Classification of Refrigerants*, 1st Public Review Draft

(This foreword is not part of this addendum but is included for information only.)

FOREWORD

This proposed addendum adds a designation of R-419A to the blend R-125/134a/E170 (77.0/19.0/4.0) with tolerances of (± 1.0/ ±1.0/±1.0) and a safety classification of A2.

Proposed Addendum *g* to ANSI/ASHRAE Standard 34-2001

Add to Table 2 the following entries for R-419A:

TABLE 2
Data and Safety Classifications for Refrigerant Blends

Refrigerant Number	Composition (Mass %)	Composition Tolerances	Azeotropic Temperature (°C) (°F)	Molecular Mass[a]	Normal Boiling Point[a] (°C) (F°)	Safety Group
419A	R-125/134a/E170 (77.0/19.0/4.0)	(±1.0/±1.0/±1.0)				A2

Add to Table B1 the following entries for R-419A:

Table B1
Comparison of Safety Group Classifications to
Those under *ASHRAE Standard 34-1989*

Refrigerant Number	Chemical Formula	Safety Group 1989	Safety Group 2001
419A	R-125/134a/E170 (77.0/19.0/4.0)	–	A2

BSR/ASHRAE Addendum *f* to ANSI/ASHRAE Standard 34-2001

This supplement will be submitted to the American National Standards Institute Board of Standards Review (BSR) for approval.

ASHRAE®
STANDARD

Designation and Safety Classification of Refrigerants

FIRST PUBLIC REVIEW

February 2003

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1791 Tullie Circle, NE · Atlanta, GA 30329-2305

BSR/ASHRAE Addendum *f* to ANSI/ASHRAE Standard 34-2001, *Designation and Safety Classification of Refrigerants*, 1st Public Review Draft

(This foreword is not part of this addendum but is included for information only.)

FOREWORD

This proposed addendum adds a designation of R-E170 for dimethyl ether and a safety classification of A3.

Proposed Addendum *f* to ANSI/ASHRAE Standard 34-2001

Add the following entries for R-E170 to Table 1 (after the entries for R-170):

TABLE 1
Refrigerant Data and Safety Classifications

Refrigerant Number	Chemical Name[a,b]	Chemical Formula[a]	Molecular Mass[a]	Normal Boiling Point[a] (°C)	Normal Boiling Point[a] (F°)	Safety Group
E170	dimethyl ether	CH_3-O-CH_3	46	-25	-13	A3

Add the following entries for R-E170 to Table B1(after the entries for R-170):

Table B1
Comparison of Safety Group Classifications to
Those under *ASHRAE Standard 34-1989*

Refrigerant Number	Chemical Formula	Safety Group 1989	Safety Group 2001
E170	CH_3-O-CH_3	–	A3

BSR/ASHRAE Addendum *h* to ANSI/ASHRAE Standard 34-2001

This supplement will be submitted to the American National Standards Institute Board of Standards Review (BSR) for approval.

ASHRAE®
STANDARD

Designation and Safety Classification of Refrigerants

FIRST PUBLIC REVIEW

February 2003

This draft has been recommended for public review by the responsible project committee. Public review of this proposed addendum has been authorized by a subcommittee of the Standards Committee. Until final approval by the ASHRAE Board of Directors, this draft addendum is subject to modification, and Standard 34-2001 remains in effect. Instructions and a form for commenting are provided with this draft. Although reproduction of drafts during the public review period is encouraged to promote additional comment, permission must be obtained to reproduce all or any part of this document from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329-2305. Phone: 404-636-8400, Ext. 502. Fax: 404-321-5478. E-mail cramspeck@ashrae.org

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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 *h* to ANSI/ASHRAE Standard 34-2001, *Designation and Safety Classification of Refrigerants*, 1st Public Review Draft

(This foreword is not part of this addendum. It is included for information purposes only.)

FOREWORD

This proposed addendum adds a designation of R-415B to the blend R-22/152a (25.0/75.0) with tolerances of (± 1.0/ ±1.0) and a safety classification of A2.

Proposed Addendum *h* to ANSI/ASHRAE Standard 34-2001

Add to Table 2 the following entries for R-415B:

TABLE 2
Data and Safety Classifications for Refrigerant Blends

Refrigerant Number	Composition (Mass %)	Composition Tolerances	Azeotropic Temperature (°C) (°F)	Molecular Mass[a]	Normal Boiling Point[a] (°C) (F°)	Safety Group
415B	R-22/152a (25.0/75.0)	(±1.0/±1.0)				A2

Add to Table B1 the following entries for R-415B:

Table B1
Comparison of Safety Group Classifications to
Those under *ASHRAE Standard 34-1989*

Refrigerant Number	Chemical Formula	Safety Group 1989	Safety Group 2001
415B	R-22/152a (25.0/75.0)	–	A2

BSR/ASHRAE Addendum y to ANSI/ASHRAE Standard 62-2001 (formerly Addendum *y* to ANSI/ASHRAE Standard 62-1999)

This supplement will be submitted to the American National Standards Institute Board of Standards Review (BSR) for approval.

ASHRAE®
STANDARD

Ventilation for Acceptable Indoor Air Quality

FOURTH PUBLIC REVIEW
(Independent Substantive Changes to Third Public Review Draft)

February 2003

This draft has been recommended for public review by the responsible project committee. Public review of this proposed addendum has been authorized by a subcommittee of the Standards Committee. Until final approval by the ASHRAE Board of Directors, this draft addendum is subject to modification, and Standard 62-2001 remains in effect. Instructions and a form for commenting are provided with this draft. Although reproduction of drafts during the public review period is encouraged to promote additional comment, permission must be obtained to reproduce all or any part of this document from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329-2305. Phone: 404-636-8400, Ext. 502. Fax: 404-321-5478. E-mail cramspeck@ashrae.org

The parent standard, not including this proposed change, is under continuous maintenance. The change submittal form, instructions and deadlines may be obtained in electronic form from ASHRAE's Internet Home Page, *http://www/ashrae.org*, or in paper form from the Manager of Standards. The latest edition of an ASHRAE Standard may be purchased from ASHRAE Customer Service, 1791 Tullie Circle, NE, Atlanta, GA 30329-2305. E-mail: *orders@ashrae.org*. Fax: 404-321-5478. Telephone: 404-636-8400 (worldwide), or toll free 1-800-527-4723 (for orders in U.S. and Canada).

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BSR/ASHRAE Addendum y to ANSI/ASHRAE Standard 62-2001, *Ventilation for Acceptable Indoor Air Quality*
4th Public Review Draft (ISC to 3rd Public Review)

The 4th Public Review Draft of BSR/ASHRAE Addendum *y* to ANSI/ASHRAE Standard 62-2001 contains independent substantive changes (ISC) to the 3rd Public Review Draft. ISC additions to the text will be shown by underlining and deletions by strikethrough, unless otherwise indicated. Only these changes will be open for review and comment at this time. Additional material is provided for context only and not open for comment except as it relates to the proposed substantive changes.

Foreword to Addendum 62y

(This foreword is not part of this addendum but is included for information only.)

This addendum classifies air with respect to contaminant and odor intensity and limits the recirculation of lower-quality air into spaces that contain air of higher quality. These revisions to addendum 62y are independent substantive changes and respond to issues raised during the 3rd public review (a full review) by several commenters. A note is added to point out that Class 1 spaces can be "reclassified" as Class 2. It also adds classifications for Bars, cocktail lounges and Gambling casinos and changes the classification of Duplicating, printing areas from 2 to 3.

Revise Section 5.x.3.2 as follows:

5.x.3.2 Class 2 Air. Class 2 air may be recirculated within the space of origin. Class 2 air may be transferred or recirculated to other Class 2 or Class 3 spaces utilized for the same or similar purpose or task and involving the same or similar pollutant sources. Class 2 air may be recirculated or transferred to Class 4 spaces. Class 2 air shall not be recirculated or transferred to Class 1 spaces. Note: Spaces that are normally Class 1 may be identified as "Spaces ancillary to Class 2 spaces" and as such classified as Class 2 spaces as permitted in Table A.

[NOTE TO REVIEWERS: *The provision in the note above implicitly allows leakage from Class 2 or Class 3 air in the process of recovering energy and it allows dilution of such air with Class 1 air in a plenum return system.*]

Revise Table 2 as follows:

Space Type	Classification of Air
Bars, cocktail lounges	~~***~~ 2
Gambling casinos	~~***~~ 1
Duplicating, printing	~~2~~ 3

BSR/ASHRAE Addendum *x* to ANSI/ASHRAE Standard 62-2001 (formerly Addendum *x* to ANSI/ASHRAE Standard 62-1999)

This supplement will be submitted to the American National Standards Institute Board of Standards Review (BSR) for approval.

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Ventilation for Acceptable Indoor Air Quality

FIFTH PUBLIC REVIEW
(Independent Substantive Changes to Fourth Public Review Draft)

February 2003

This draft has been recommended for public review by the responsible project committee. Public review of this proposed addendum has been authorized by a subcommittee of the Standards Committee. Until final approval by the ASHRAE Board of Directors, this draft addendum is subject to modification, and Standard 62-2001 remains in effect. Instructions and a form for commenting are provided with this draft. Although reproduction of drafts during the public review period is encouraged to promote additional comment, permission must be obtained to reproduce all or any part of this document from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329-2305. Phone: 404-636-8400, Ext. 502. Fax: 404-321-5478. E-mail cramspeck@ashrae.org

The parent standard, not including this proposed change, is under continuous maintenance. The change submittal form, instructions and deadlines may be obtained in electronic form from ASHRAE's Internet Home Page, *http://www/ashrae.org*, or in paper form from the Manager of Standards. The latest edition of an ASHRAE Standard and printed copies of a public review draft may be purchased from ASHRAE Customer Service, 1791 Tullie Circle, NE, Atlanta, GA 30329-2305. E-mail: *orders@ashrae.org*. Fax: 404-321-5478. Telephone: 404-636-8400 (worldwide), or toll free 1-800-527-4723 (for orders in U.S. and Canada).

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Foreword to addendum 62x
(This foreword is provided for information only and is not part of the draft addendum.)

This addendum revises the humidity control requirements currently described in Section 5.10. Building pressurization requirements to minimize the infiltration of moist outdoor air (which can cause condensation on building surfaces during cooling operation) have also been added.

This addendum has been out for four public reviews and this ISC incorporates changes made in response to recent public review comments. This draft reflects changes to the most recent public review drafts highlighted with additions underlined and deletions struckthrough.

Delete Section 5.10 and replace with the following:

5.10 Dehumidification Systems. Mechanical air conditioning systems with dehumidification capability shall be designed to comply with the following:

5.10.1 Relative Humidity. ~~Such systems shall be designed to limit occupied~~ Occupied space relative humidity shall be limited to 65% or less at either of the two following design conditions:

1) at the peak outdoor dew point design condition~~s~~ and at the peak indoor design latent load, or
2) at the lowest space sensible heat ratio expected to occur and the concurrent (simultaneous) outdoor condition.

5.10.2 Exfiltration. ~~Such systems shall be designed so that the outdoor air flow is greater than the exhaust air flow to maintain the building at net positive pressure with respect to outdoors (in the absence of wind and stack effect) during all hours of dehumidification. Exception: Where local code provisions or authority having jurisdiction dictate otherwise.~~The design of the mechanical ventilation and exhaust systems for a building shall be as follows to create the conditions for exfiltration: the design minimum outdoor air flow shall be greater than the design maximum exhaust air flow when the mechanical air conditioning systems are dehumidifying.

BSR/ASHRAE Addendum *aa* to ANSI/ASHRAE Standard 62-2001 (formerly Addendum *aa* to ANSI/ASHRAE Standard 62-1999)

This supplement will be submitted to the American National Standards Institute Board of Standards Review (BSR) for approval.

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SECOND PUBLIC REVIEW
(Independent Substantive Changes to First Public Review Draft)

February 2003

This draft has been recommended for public review by the responsible project committee. Public review of this proposed addendum has been authorized by a subcommittee of the Standards Committee. Until final approval by the ASHRAE Board of Directors, this draft addendum is subject to modification, and Standard 62-2001 remains in effect. Instructions and a form for commenting are provided with this draft. Although reproduction of drafts during the public review period is encouraged to promote additional comment, permission must be obtained to reproduce all or any part of this document from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329-2305. Phone: 404-636-8400, Ext. 502. Fax: 404-321-5478. E-mail cramspeck@ashrae.org

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Foreword to Addendum 62aa
(This foreword is not part of this addendum but is provided for information only.)

Addendum 62aa adds requirements related to outdoor air intake location and intake protection, including minimum separation distance between common outdoor contaminant sources and outdoor air intakes; requirements intended to limit rain intrusion and rain entrainment; and requirements related to bird screening and ledges at outdoor air intakes. This addendum has been out for one public review, and the addendum has been revised in response to those comments as follows. A complete version of this addendum, reflecting the changes in this public review, is available at ftp.ashrae.org under the SSPC621 directory under the name 62aa2ndPRfull.doc.

Revise Section 5.4 as follows.

5.4.1 Location. Outdoor air intakes, including doors and windows that are required as part of a natural ventilation system, shall be located such that the shortest distance from the intake to any specific potential outdoor contaminant source shall be equal to or greater than the separation distance listed in Table 5.2. **Exception**: ~~Shorter~~ Other minimum separation distances are acceptable if it can be shown that an equivalent or lesser rate of introduction of outdoor air contaminants will be attained using an alternative ~~design~~ calculation method. **Note**: Appendix X presents an acceptable alternative calculation method.

Add the following rows and notes to Table 5.2, Air Intake Minimum Separation Distance

Object	Minimum Distance, ~~m (ft)~~ ft (m)
General building exhaust, less than 200 cfm (100 L/s)	3 (1)
General building exhaust *~~[Class 1 or Class 2]~~*	~~1.5 (5)~~ 5 (1.5)
Significantly contaminated exhaust ~~or vents~~ (Note 6) *~~[Class 3]~~*	~~5 (15)~~ 15 (5)
Noxious or dangerous exhaust ~~or vents~~ (Notes 4 and 7) *~~[Class 4 or Class 5]~~*	~~10 (30)~~ 30 (10)
Vents for fuel gas burning appliances and equipment (Note 5)	5 (1.5)
Roof, landscaped grade, or other surface directly below intake (Note 2, 3)	~~0.30 (1)~~ 1 (0.30)

Note 5: Where intake velocities exceed 2.5 meters per sec (500 feet per minute) all minimum distances in Table 5.2 shall be increased by 50%.
Note 6: Significantly contaminated exhaust is exhaust air with significant contaminant concentration, significant sensory-irritation intensity, or offensive odor.
Note 7: Noxious or dangerous exhaust is exhaust air with highly objectionable fumes or gases and/or exhaust air with potentially dangerous particles, bioaerosols, or gases, at concentrations high enough to be considered harmful.

5.4.4 Snow Entrainment. Where climate dictates, outdoor air intakes that are part of the mechanical ventilation system shall be designed to manage melted snow blown or drawn into the system as follows:

a. Suitable access doors to permit cleaning shall be provided.

b. Outdoor air ductwork or plenums shall pitch to drains designed in accordance with the requirements of Section 5.12.

(The information contained in this appendix is not part of this American National Standard [ANS] and has not been processed in accordance with ANSI's requirements for an ANS. As such, this appendix may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the standard.)

Revise Appendix X by deleting exception a under X.2 and modifying Table X.2 as indicated:

X.2. Application. Exhaust outlets and outdoor air intakes or other openings shall be separated in accordance with the following. Exceptions:

~~a) This section is not applicable to exhausts with high concentrations of toxic substances~~

Table X.2 Minimum Dilution Factors

Exhaust Air Class	Dilution Factor, *DF*
Noxious or dangerous particles ~~or ETS~~	50*
*Does not apply to fume hood ~~or other toxic~~ exhaust. See section X.2	

