

# **ANSI** STANDARDS ACTION

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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](mailto:psa@ansi.org)

★ Standard for consumer products

# Comment Deadline: November 28, 2004

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

### Supplements

BSR/ASHRAE Addendum k to ANSI/ASHRAE 34-2001, Designation and Safety Classification of Refrigerants (supplement to ANSI/ASHRAE 34-2001)

This second public review of proposed addendum k adds a designation of R-601 for pentane. The first public review of the proposed addendum added a designation of R-601a for 2-methylbutane (isopentane) 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](mailto:public.review.comments@ashrae.org)

BSR/ASHRAE Addendum q to ANSI/ASHRAE 34-2001, Designation and Safety Classification of Refrigerants (supplement to ANSI/ASHRAE 34-2001)

This proposed addendum adds a designation of R-422A to the blend R-125/134a/600a (85.1/11.5/3.4) with tolerances of ( $\pm 1.0/\pm 1.0/+0.1, -0.4$ ) and a safety classification of A1.

[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](mailto:public.review.comments@ashrae.org)

BSR/ASHRAE Addendum r to ANSI/ASHRAE 34-2001, Designation and Safety Classification of Refrigerants (supplement to ANSI/ASHRAE 34-2001)

This proposed addendum adds a designation of R-421B to the blend R-125/134a (85.0/15.0) with tolerances of ( $\pm 1.0/\pm 1.0$ ) and a safety classification of A1.

[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](mailto:public.review.comments@ashrae.org)

BSR/ASHRAE Addendum s to ANSI/ASHRAE 34-2001, Designation and Safety Classification of Refrigerants (supplement to ANSI/ASHRAE 34-2001)

This proposed addendum adds a designation for R-227ea for 1,1,1,2,3,3,3-heptafluoropropane and a safety classification of A1.

[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](mailto:public.review.comments@ashrae.org)

## NAAMM (National Association of Architectural Metal Manufacturers)

### Revisions

BSR/NAAMM HMMA 863-200x, Guide Specifications for Detention Security Hollow Metal Doors and Frames (revision of ANSI/NAAMM HMMA 863-1998)

Establishes steel door and frame specifications for applications such as jails, prisons, detention centers, secured areas in hospitals and courthouses, and other correctional institutions where occupied restraint is required. It references ASTM tests necessary to evaluate resistance to extreme treatment which may be received under riot conditions and establishes performance requirements. Materials, construction, hardware, and performance requirements are specified.

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

Send comments (with copy to BSR) to: Edward Estes, NAAMM; [estesassos@cox.net](mailto:estesassos@cox.net)

## UL (Underwriters Laboratories, Inc.)

### Revisions

BSR/UL 9-200x, Standard for Safety for Fire Tests of Window Assemblies (Bulletin dated October 27, 2004) (revision of ANSI/UL 9-1997)

Clarification of proposal relating to heat flux measurement by indicating that radiative heat flux is being measured.

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

Send comments (with copy to BSR) to: Charles McCall, UL-IL; [Charles.H.McCall@us.ul.com](mailto:Charles.H.McCall@us.ul.com)

BSR/UL 444-200x, Standard for Safety for Communication Cables (revision of ANSI/UL 444-2002)

Clarification that Type CMUC and cross-connect communication cables are not recognized by the Canadian Electrical Code, Part 1.

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

Send comments (with copy to BSR) to: Tim Corder, UL-NC; [William.T.Corder@us.ul.com](mailto:William.T.Corder@us.ul.com)

# Comment Deadline: December 13, 2004

## ASAE (American Society of Agricultural Engineers)

### Revisions

BSR/ASAE S483.1-200x, Rotary Mower Blade Ductility Test (revision of ANSI/ASAE S483-FEB89 (RAPR2003))

The purpose of this Standard is to identify production blade lots, from which samples are subjected to destructive testing. This is a Standard for industrial and agricultural rotary mower blades, which includes a blade bend performance test. The blade bend test is a destructive test to be used in conjunction with other normal quality control and consistency testing procedures and shall be performed on all blade lots following the minimum sampling requirements.

Single copy price: \$40.00

Order from: Carla Miller, ASAE; [cmiller@asae.org](mailto:cmiller@asae.org)

Send comments (with copy to BSR) to: Same

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

### New Standards

BSR/ASHRAE 113P-200x, Method of Testing for Room Air Diffusion (new standard)

This proposed revision updates ASHREA Standard 113-1990, which defines a method of testing air diffusion performance in the occupied zone of spaces such as offices or similar buildings.

Single copy price: Free from ASHRAE website ([www.ashrae.org](http://www.ashrae.org))

Order from: Beverly Fulks, ASHRAE; [bfulks@ashrae.org](mailto:bfulks@ashrae.org)

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

## Revisions

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

This proposed revision of ANSI/ASHRAE/IESNA Standard 100-1995 (which has been modified by Addendum (b) updates the standard to incorporate recent changes to ANSI/ASHRAE/IESNA Standard 90.1-2001, Energy Standard for Buildings Except Low-Rise Residential Buildings, and to include relevant information from the ASHRAE HVAC Applications Handbook.

Single copy price: Free from ASHRAE website ([www.ashrae.org](http://www.ashrae.org))

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

## Supplements

BSR/ASHRAE Addendum c to ANSI/ASHRAE 52.2-1999, Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Partical Size (supplement to ANSI/ASHRAE 52.2-1999)

This proposed addendum to Standard 52.2-1999 revises the first dust-loading step, also known as the conditioning step. It specifies a new loading dust for a revised loading test method that will more nearly represent the minimum efficiency points in actual real-world use. This revision corrects a deficiency in the current procedure, which tends to show a more significant drop in the efficiency of electric filters than they undergo during actual use.

Single copy price: Free from ASHRAE website ([www.ashrae.org](http://www.ashrae.org))

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

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

This proposed addendum defines a standard means of using "web services" to integrate facility data from disparate data sources, including BACnet networks, with a variety of business enterprise applications. It is essential to provide this information in Standard 135 because Web services is emerging as the predominant technology for the integration of a wide variety of enterprise information.

Single copy price: Free from ASHRAE website ([www.ashrae.org](http://www.ashrae.org))

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

BSR/ASHRAE Addendum n to ANSI/ASHRAE 34-2001, Designation and Safety Classification of Refrigerants (supplement to ANSI/ASHRAE 34-2001)

This second public review draft of proposed addendum n makes several revisions to the first public review draft and provides additional examples to provide clarity. The proposed addendum provides general guidance for the numbering of C4-C13 alkanes.

Single copy price: Free from ASHRAE website ([www.ashrae.org](http://www.ashrae.org))

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

BSR/ASHRAE Addendum p to ANSI/ASHRAE 34-2001, Designation and Safety Classification of Refrigerants (supplement to ANSI/ASHRAE 34-2001)

Proposed addendum p revises the refrigerant flammability classification and specifies the flammability and fractionation testing procedures. Flammability (as determined by flame propagation in air) is now to be tested at 100°C for single-compound refrigerants. For refrigerant blends, two separate tests at 100°C and 60°C are to be conducted at compositions corresponding to the WCF and WCFF (see draft for definitions), respectively. In the current standard, these tests are conducted at 21-23°C.

Single copy price: Free from ASHRAE website ([www.ashrae.org](http://www.ashrae.org))

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

## ASME (American Society of Mechanical Engineers)

### Revisions

BSR/ASME B30.23-200x, Personnel Lifting Systems (revision of ANSI/ASME B30.23-1998)

B30.23 applies to hoisting equipment and accessory equipment covered within certain volumes of the ASME B30 Standard that is used to lift, lower, or transport personnel in a platform, by wire rope or chain, or by a platform that is mounted on a boom of the hoist equipment. Single copy price: \$10.00

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)

BSR/ASME B30.21-200x, Manually Lever Operated Hoists ANSI/ASME B30.21-1994)

B30.21 includes provisions which apply to the construction, installation, operation, inspection, and maintenance of ratchet and pawl and friction brake type manually lever-operated chain, wire rope, and web strap hoists used for lifting, pulling, and tensioning applications. Single copy price: \$10.00

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)

### ASTM (ASTM International)

The URL to search for scopes of ASTM standards is: <http://www.astm.org/dsearch.htm>

For reaffirmations and withdrawals, order from: Customer Service, ANSI  
For new standards and revisions, order from: Faith Lanzetta, ASTM  
For all ASTM standards, send comments (with copy to BSR) to: Faith Lanzetta, ASTM

### Revisions

BSR/ASTM D5619-200x, Method for Comparing Metal Removal Fluids Using the Tapping Torque Test Machine (revision of ANSI/ASTM D5619-1994)

Single copy price: \$32.00

### Reaffirmations

BSR/ASTM F1867-1998 (R200x), Practice for Installation of Folded/formed Poly(Vinyl Chloride) (PVC) Pipe Type A for Existing Sewer and Conduit Rehabilitation (reaffirmation of ANSI/ASTM F1867-1998)

Single copy price: \$32.00

## ATIS (Alliance for Telecommunications Industry Solutions)

### Reaffirmations

BSR T1.102-1993 (R200x), Digital Hierarchy - Electrical Interfaces (reaffirmation of ANSI T1.102-1993 (R1999))

The North American digital network is made up of sources of digital signals, including channel banks, digital switches, and multiplex equipment, interconnected by transmission facilities. These operate at several different bit rates. At any one level in the digital hierarchy, there may be several signal sources with unique bit stream formats, but these need to have certain common characteristics to permit interconnection with transmission facilities at that level and with multiplex equipment connecting to a higher level. Single copy price: \$151.00

Order from: Aivelis Colon, ATIS; [acolon@atis.org](mailto:acolon@atis.org)  
Send comments (with copy to BSR) to: Same

BSR T1.105.01-2000 (R200x), Synchronous Optical Network (SONET) - Automatic Protection Switching (reaffirmation of ANSI T1.105.01-2000)

This document describes the protection switching protocols and algorithms for optical interfaces referred to as SONET. The SONET optical interface standard is specified in American National Standard for Telecommunications - Digital Hierarchy - Synchronous Optical Network (SONET) - Basic description including multiplex structures, rates, and formats, T1.105-1995.

Single copy price: \$251.00

Order from: Aivelis Colon, ATIS; acolon@atis.org  
Send comments (with copy to BSR) to: Same

BSR T1.630-1999 (R200x), Broadband ISDN - ATM Adaptation Layer for Constant Bit Rate Service Functionality and Specification (reaffirmation of ANSI T1.630-1999)

This standard references the complete text of ITU-T (Formerly CCITT) AAL Type 1, Recommendation I.363.1, 1996. This standard describes a protocol of the Common Part of the ATM Adaptation Layer type 1 to support Constant Bit Rate (CBR) services.

Single copy price: \$58.00

Order from: Aivelis Colon, ATIS; acolon@atis.org  
Send comments (with copy to BSR) to: Same

BSR T1.630a-2002 (R200x), Network - Broadband ISDN - ATM Adaptation Layer for Constant Bit Rate Services Functionality and Specification (reaffirmation of ANSI T1.630a-2002)

This supplement to T1.630-1999, American National Standard for Telecommunications - Network - Broadband ISDN - ATM Adaptation Layer for Constant Bit Rate Services, provides an extension of this document to incorporate new requirements that define a new AAL Type 1 format to facilitate AAL Type 1 and AAL Type 2 interworking.

Single copy price: \$43.00

Order from: Aivelis Colon, ATIS; acolon@atis.org  
Send comments (with copy to BSR) to: Same

BSR T1.635-1999 (R200x), Broadband ISDN - ATM Adaptation Layer Type 5 Common Part Functions and Specification (reaffirmation of ANSI T1.635-1999)

The requirements of this standard are the same as those contained in ITU-T Recommendation I.363.5 (08/96), B-ISDN ATM Adaptation Layer specification: type 5 AAL.

Single copy price: \$58.00

Order from: Aivelis Colon, ATIS; acolon@atis.org  
Send comments (with copy to BSR) to: Same

BSR T1.636-1999 (R200x), B-ISDN Signaling - ATM Adaptation Layer (SAAL) - Overview Description (reaffirmation of ANSI T1.636-1999)

This standard briefly describes the various components that make up the AAL functions necessary to support signaling (SAAL). It is intended to serve as a guide to all other standards required by a user who intends to construct an AAL for the purpose of signaling.

Single copy price: \$58.00

Order from: Aivelis Colon, ATIS; acolon@atis.org  
Send comments (with copy to BSR) to: Same

BSR T1.637-1999 (R200x), B-ISDN ATM Adaptation Layer - Service Specific Connection Oriented Protocol (SSCOP) (reaffirmation of ANSI T1.637-1999)

The intent of this standard is to provide a new protocol specification that can be used in the B-ISDN ATM Adaptation Layer (AAL). This protocol, called the Service Specific Connection Oriented Protocol (SSCOP), provides assured data delivery between AAL connection endpoints.

Single copy price: \$58.00

Order from: Aivelis Colon, ATIS; acolon@atis.org  
Send comments (with copy to BSR) to: Same

BSR T1.638-1999 (R200x), B-ISDN ATM Adaptation Layer - Service Specific Coordination Function for Support of Signaling at the User-to-Network Interface (SSCF at the UNI) (reaffirmation of ANSI T1.638-1999)

The intent of this standard is to provide a function that is part of the ATM Adaptation Layer for the support of signaling (SAAL) at the UNI of the B-ISDN. This function is used to map the service of the Service Specific Connection Oriented Protocol (SSCOP) of the AAL to the needs of layer 3 protocols for access signaling across the UNI (e.g., Q.2931). This function is called Service Specific Coordination Function (SSCF) for signaling at the UNI.

Single copy price: \$58.00

Order from: Aivelis Colon, ATIS; acolon@atis.org  
Send comments (with copy to BSR) to: Same

## LIA (ASC Z136) (Laser Institute of America)

### New Standards

BSR Z136.4-200x, Recommended Practice for Laser Safety Measurements for Hazard Evaluation (new standard)

This document provides adequate, practical guidance for necessary measurement procedures used for classification and hazard evaluation of lasers. This document is intended to provide guidance for manufacturers, laser safety officers (LSOs), and trained laser users.

Single copy price: \$30.00

Order from: Barbara Sams, LIA (ASC Z136); bsams@laserinstitute.org  
Send comments (with copy to BSR) to: Same

## MHI (Material Handling Industry)

### New Standards

BSR MH24.1-200x, Safety Standard for Horizontal Carousel Material Handling and Associated Equipment (new standard)

Provides for safe operation and maintenance of horizontal carousel equipment by guiding carousel system design, construction, installation, operation, and maintenance. Intended for use by manufacturers, purchasers, and users of horizontal carousels and related equipment. Designed to protect workers by guiding owners, employers, and supervisors; who have the final responsibility for carousel equipment safety; in the proper use of the equipment and safety features incorporated in the system.

Single copy price: \$15.00

Order from: Michael Ogle, MHI; mogle@mhia.org  
Send comments (with copy to BSR) to: Same

## NEMA (ASC C80) (National Electrical Manufacturers Association)

### Reaffirmations

BSR C80.6-1994 (R200x), Intermediate Metal Conduit - Zinc Coated (IMC) (reaffirmation of ANSI C80.6-1994)

Covers the requirements for steel Electrical Intermediate Metal Conduit for use as a raceway for wires or cables of an electrical system. Finished conduit is produced in nominal 10-ft (3.05-m) lengths, threaded on each end with one coupling attached. It is protected on the exterior surface with a metallic zinc coating or an alternate corrosion resistant coating and on the interior surface with a zinc or organic coating.

Single copy price: \$41.00

Order from: Global Engineering Documents; <http://global.ihs.com/>  
Send comments (with copy to BSR) to: John Collins, NEMA (ASC C80); joh\_collins@nema.org

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

BSR/TIA 942-200x, Telecommunications Infrastructure Standard for Data Centers (new standard)

This Standard specifies the minimum requirements for telecommunications infrastructure of data centers and computer rooms including single tenant enterprise data centers and multi-tenant Internet hosting data centers. The topology proposed in this document is intended to be applicable to any size data center.

Single copy price: Free

Order from: Global Engineering Documents; www.global.ihs.com, (800) 854-7179

Send comments (with copy to BSR) to: Susanne White, TIA; swhite@tiaonline.org

**UL (Underwriters Laboratories, Inc.)****New Standards**

BSR/UL 2129 CAN/ULC-S566-200x, Standard for Safety for Halocarbon Clean Agent Fire Extinguishers (new standard)

10/19/04 bulletin contains an amended draft binational standard for the Second Edition of Halocarbon Clean Agent Fire Extinguishers, ANSI/UL 2129 and the Second Edition of CAN/ULC-S566. Also covers comment resolution from the February 11, 2004 draft standard.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

Send comments (with copy to BSR) to: Betty McKay, UL-NC; Betty.C.McKay@us.ul.com

**Revisions**

- ★ BSR/UL 283-200x, Standard for Safety for Air Fresheners and Deodorizers (revision of ANSI/UL 283-2004)

This bulletin proposes the following changes in requirements: (1) Change in Scope of UL 283 (Exclusion of Open Reservoirs); and (2) Change in impact testing for direct plug-in appliances.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

Send comments (with copy to BSR) to: Tori Burnett, UL-NC; Victoria.Burnett@us.ul.com

BSR/UL 154 CAN/ULC-S503-200x, Standard for Safety for Carbon-Dioxide Fire Extinguishers (February 28, 2000) (revision and redesignation of ANSI/UL 154-2002)

10/19/04 bulletin contains an amended draft binational standard for the Ninth Edition of Carbon-dioxide Fire Extinguishers, ANSI/UL 154 and the Ninth Edition of CAN/ULC-S503. Also covers comment resolution from the February 11, 2004 draft standard.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

Send comments (with copy to BSR) to: Betty McKay, UL-NC; Betty.C.McKay@us.ul.com

BSR/UL 626 CAN/ULC-S507-200x, Standard for Safety for Water Fire Extinguishers (February 28, 2000) (revision and redesignation of ANSI/UL 626-2000)

10/19/04 bulletin contains an amended draft binational standard for the Eighth Edition of Water Fire Extinguishers, ANSI/UL 626 and the Third Edition of CAN/ULC-S507. Also covers comment resolution from the February 11, 2004 draft standard.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

Send comments (with copy to BSR) to: Betty McKay, UL-NC; Betty.C.McKay@us.ul.com

BSR/UL 8 CAN/ULC-S554-200x, Standard for Safety for Water Based Agent Extinguishers (January 28, 2002) (revision and redesignation of ANSI/UL 8-2002)

10/19/04 bulletin contains an amended draft binational standard for the Sixth Edition of Water Based Agent Fire Extinguishers, ANSI/UL 8 and the Third Edition of CAN/ULC-S554. Also covers comment resolution per the February 11, 2004 draft standard.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000

Send comments (with copy to BSR) to: Betty McKay, UL-NC; Betty.C.McKay@us.ul.com

**USPRO (U.S. Product Data Association)****Reaffirmations**

BSR/US PRO/IPO 100-1996 (R200x), Initial Graphics Exchange Specification IGES 5.3 (reaffirmation of ANSI/US PRO/IPO 100-1996)

Establishes information structures for the digital representation and exchange of product definition data. It supports exchanging this data among computer-aided design and computer aided manufacturing (CAD/CAM) systems.

Single copy price: \$370.00

Order from: ANSI

Send comments (with copy to BSR) to: Charles Stark, USPRO; stark@aticorp.org

BSR/US PRO/IPO 110-1994 (R200x), 3D Piping IGES Application Protocol Version 1.2 (reaffirmation of ANSI/US PRO/IPO 110-1994)

Specifies the mechanisms for defining and exchanging 3D piping system models in IGES format.

Single copy price: \$250.00

Order from: ANSI

Send comments (with copy to BSR) to: Charles Stark, USPRO; stark@aticorp.org

BSR/US PRO/IPO 200-001-1994 (R200x), Product Data Exchange Using STEP (PDES): Part 1 - Overview and Fundamental Principles (reaffirmation of ANSI/US PRO/IPO 200-001-1994)

100% Verbatim Adoption of ISO 10303-1.

Single copy price: \$50.00

Order from: ANSI

Send comments (with copy to BSR) to: Charles Stark, USPRO; stark@aticorp.org

BSR/US PRO/IPO 200-011-1994 (R200x), Product Data Exchange Using STEP (PDES): Part 11 - The Express Language Reference Manual (reaffirmation of ANSI/US PRO/IPO 200-011-1994)

100% Verbatim Adoption of ISO 10303-11.

Single copy price: \$140.00

Order from: ANSI

Send comments (with copy to BSR) to: Charles Stark, USPRO; stark@aticorp.org

BSR/US PRO/IPO 200-021-1994 (R200x), Product Data Exchange using STEP (PDES): Part 21 - Clear Text Encoding of the Physical File Exchange Structure (reaffirmation of ANSI/US PRO/IPO 200-021-1994)

100% Verbatim Adoption of ISO 10303-21.  
Single copy price: \$90.00

Order from: ANSI  
Send comments (with copy to BSR) to: Charles Stark, USPRO;  
stark@aticorp.org

BSR/US PRO/IPO 200-031-1994 (R200x), Product Data Exchange using STEP (PDES): Part 31 - Testing Methodology and Framework: General Concepts (reaffirmation of ANSI/US PRO/IPO 200-031-1994)

100% Verbatim Adoption of ISO 10303-31.  
Single copy price: \$75.00

Order from: ANSI  
Send comments (with copy to BSR) to: Charles Stark, USPRO;  
stark@aticorp.org

BSR/US PRO/IPO 200-041-1994 (R200x), Product Data Exchange using STEP (PDES): Part 41 - Integrated Generic Resources: Fundamentals of Product Description and Support (reaffirmation of ANSI/US PRO/IPO 200-041-1994)

100% Verbatim Adoption of ISO 10303-41.  
Single copy price: \$150.00

Order from: ANSI  
Send comments (with copy to BSR) to: Charles Stark, USPRO;  
stark@aticorp.org

BSR/US PRO/IPO 200-042-1994 (R200x), Product Data Exchange using STEP (PDES): Part 42 - Integrated Generic Resources: Geometric and Topological Representation (reaffirmation of ANSI/US PRO/IPO 200-042-1994)

100% Verbatim Adoption of ISO 10303-42.  
Single copy price: \$160.00

Order from: ANSI  
Send comments (with copy to BSR) to: Charles Stark, USPRO;  
stark@aticorp.org

BSR/US PRO/IPO 200-043-1994 (R200x), Product Data Exchange using STEP (PDES): Part 43 - Integrated Generic Resources: Representation Structure (reaffirmation of ANSI/US PRO/IPO 200-043-1994)

100% Verbatim Adoption of ISO 10303-43.  
Single copy price: \$70.00

Order from: ANSI  
Send comments (with copy to BSR) to: Charles Stark, USPRO;  
stark@aticorp.org

BSR/US PRO/IPO 200-044-1994 (R200x), Product Data Exchange using STEP (PDES): Part 44 - Integrated Generic Resources: Product Structure Configuration (reaffirmation of ANSI/US PRO/IPO 200-044-1994)

100% Verbatim Adoption of ISO 10303-44.  
Single copy price: \$90.00

Order from: ANSI  
Send comments (with copy to BSR) to: Charles Stark, USPRO;  
stark@aticorp.org

BSR/US PRO/IPO 200-046-1994 (R200x), Product Data Exchange using STEP (PDES): Part 46 - Integrated Generic Resources: Visual Presentation (reaffirmation of ANSI/US PRO/IPO 200-046-1994)

100% Verbatim Adoption of ISO 10303-46.  
Single copy price: \$155.00

Order from: ANSI  
Send comments (with copy to BSR) to: Charles Stark, USPRO;  
stark@aticorp.org

BSR/US PRO/IPO 200-101-1994 (R200x), Product Data Exchange using STEP (PDES): Part 101 - Integrated Application Resources: Draughting (reaffirmation of ANSI/US PRO/IPO 200-101-1994)

100% Verbatim Adoption of ISO 10303-101.  
Single copy price: \$85.00

Order from: ANSI  
Send comments (with copy to BSR) to: Charles Stark, USPRO;  
stark@aticorp.org

BSR/US PRO/IPO 200-201-1994 (R200x), Product Data Exchange using STEP (PDES): Part 201 - Application Protocol: Explicit Draughting (reaffirmation of ANSI/US PRO/IPO 200-201-1994)

100% Verbatim Adoption of ISO 10303-201.  
Single copy price: \$215.00

Order from: ANSI  
Send comments (with copy to BSR) to: Charles Stark, USPRO;  
stark@aticorp.org

BSR/US PRO/IPO 200-203-1994 (R200x), Product Data Exchange using STEP (PDES): Part 203 - Application Protocol: Configuration Controlled Design (reaffirmation of ANSI/US PRO/IPO 200-203-1994)

100% Verbatim Adoption of ISO 10303-203.  
Single copy price: \$225.00

Order from: ANSI  
Send comments (with copy to BSR) to: Charles Stark, USPRO;  
stark@aticorp.org

## Comment Deadline: December 28, 2004

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

### API (American Petroleum Institute)

#### New Standards

BSR/API 1163-200x, In-Line Inspection Systems Qualification Standard (first edition) (new standard)

Covers the use of in-line inspection systems for onshore and offshore gas and hazardous liquid pipelines. This includes, but is not limited to, tethered or free flowing systems for detecting metal loss, cracks, mechanical damage, pipeline geometries, and pipeline location or mapping. The Standard applies to both existing and developing technologies.

Single copy price: \$60.00

Order from: Andrea Johnson, API; johnsona@api.org  
Send comments (with copy to BSR) to: Same

### ASME (American Society of Mechanical Engineers)

#### New Standards

BSR/ASME A112.6.9-200x, Siphonic Roof Drainage Systems (new standard)

Establishes minimum requirements and provides guidelines for the proper design, installation, examination, and testing of siphonic roof drains and engineered siphonic roof drainage piping systems. It includes definitions of terms and parameters involved in the proper design of siphonic drainage systems.

Single copy price: \$10.00

Order from: Mayra Santiago, ASME; ANSIBOX@asme.org  
Send comments (with copy to BSR) to: Calvin Gomez, ASME;  
gomezc@asme.org

**Revisions**

BSR/ASME A112.3.1-200x, Stainless Steel Drainage Systems for Sanitary, Storm and Chemical Application, Above and In-Ground (revision of ANSI/ASME A112.3.1-1993)

Establishes material, dimensions, mechanical, and physical (including marking) requirements for socket-type, seam-welded, stainless steel pipe, fittings, joints, and drains for use in plumbing sanitary and storm, drain, waste and vent (DWV), vacuum, and chemical waste systems. Specific chemical application information should be ascertained from the manufacturer. Stainless steel DWV systems and vacuum systems shall be installed in accordance with state and local code requirements.

Single copy price: \$10.00

Order from: Mayra Santiago, ASME; ANSIBOX@asme.org  
Send comments (with copy to BSR) to: Calvin Gomez, ASME;  
gomezc@asme.org

BSR/ASME A112.19.5-200x, Trim for Water-Closet Bowls, Tanks, and Urinals (revision and redesignation of ANSI/ASME A112.19.5M-1979 (R200x))

Establishes criteria for those items of trim for water-closet bowls, tanks, and urinals known as spuds, locknuts for spuds, flush valves, and flush elbows. Requirements for fill valves (ball cocks) are defined in ANSI/ASSE 1002. This Standard does not address the compatibility of materials. Nothing stated herein shall preclude the production of special design flush valves with unique non-standard features for use in low consumption plumbing fixtures.

Single copy price: \$10.00

Order from: Mayra Santiago, ASME; ANSIBOX@asme.org  
Send comments (with copy to BSR) to: Calvin Gomez, ASME;  
gomezc@asme.org

BSR/ASME B107.21-200x, Wrench, Crowfoot (revision of ANSI/ASME B107.21-1998)

Provides performance and safety requirements for crowfoot wrenches having a wrench component of the open end type or flare nut type. Each type is designed to receive the external drive end of a socket wrench handle. Inclusion of dimensional data in this Standard is not intended to imply that all of the products described herein are stock production sizes. Consumers are requested to consult with manufacturers concerning lists of stock production sizes.

Single copy price: \$10.00

Order from: Mayra Santiago, ASME; ANSIBOX@asme.org  
Send comments (with copy to BSR) to: Jack Karian, ASME;  
karianj@asme.org

BSR/ASME B107.28M-200x, Electronic Torque Instruments (revision of ANSI/ASME B107.28M-1997)

Provides performance and safety requirements for manually operated electronic torque instruments with integral or interchangeable heads. It includes requirements for endurance, torque value ranges, and accuracy for these torque instruments. It is not intended to describe products infrequently utilized or those designed for special purposes.

Single copy price: \$10.00

Order from: Mayra Santiago, ASME; ANSIBOX@asme.org  
Send comments (with copy to BSR) to: Jack Karian, ASME;  
karianj@asme.org

**Reaffirmations**

BSR/ASME B16.38-1985 (R200x), Large Metallic Valves for Gas Distribution (Manually Operated, NPS 2-1/2 to 12, 125 psig Maximum) (reaffirmation of ANSI/ASME B16.38-1985)

This Standard covers only manually operated metallic valves in nominal pipe sizes 2-1/2 through 12, having the inlet and outlet on a common center line, which are suitable for controlling the flow of gas from open to fully closed, for use in distribution and service lines where the maximum gage pressure at which such distribution piping system may be operated in accordance with the Code of Federal Regulations (CFR), Title 49, Part 192, transportation of Natural and Other Gas by Pipeline; Minimum safety standards does not exceed 125 psi (8.6 bar). Valve seats, seals and stem packing may be nonmetallic.

Single copy price: \$37.00

Order from: Mayra Santiago, ASME; ANSIBOX@asme.org  
Send comments (with copy to BSR) to: Gerardo Moino, ASME;  
moinog@asme.org

**ASSE (ASC A10) (American Society of Safety Engineers)****New Standards**

- ★ BSR A10.40-200x, Ergonomics in Construction (new standard)

This standard applies to any construction work where there are risk factors which could lead to musculoskeletal injuries, but it does not apply to office or administrative work performed by construction companies.

Single copy price: \$15.00

Order from: Timothy Fisher, ASSE (ASC A10); TFisher@ASSE.org  
Send comments (with copy to BSR) to: Same

**AWWA (American Water Works Association)****New Standards**

BSR/AWWA B102-200x, Manganese Greensand for Filters (new standard)

Describes manganese greensand used in pressure and gravity filters to remove dissolved iron, manganese, radium, arsenic and hydrogen sulfide. It discusses the placement, handling, preparation and regeneration of manganese greensand media. Although manganese greensand filters frequently employ gravel and anthracite filter materials, they have been omitted from this standard with reference to the document ANSI/AWWA B100, Standard for Filtering Material, which covers these material in detail.

Single copy price: \$5.00

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

**SIA (ASC A92) (Scaffold Industry Association)****New Standards**

BSR/SIA A92.3-200x, Manually Propelled Elevating Aerial Platforms (new standard)

Applies to manually propelled, integral chassis aerial platforms having a platform that cannot be positioned completely beyond the base and are used to position personnel, along with their necessary tools and materials, at work locations. Platforms are adjustable by manual or powered means and shall not be occupied when moved horizontally.

Single copy price: \$35.00 (SIA Member) / \$45.00 (Non-member)

Order from: Jose Loveira, SIA (ASC A92); jloveira@scaffold.org  
Send comments (with copy to BSR) to: Same

BSR/SIA A92.5-200x, Boom-Supported Elevating Work Platforms (new standard)

Applies to self-propelled integral chassis aerial platforms having a platform that can be positioned completely beyond the base and are used to position personnel, along with their necessary tools and materials, at work locations. Aerial platforms are power operated with primary functions, including drive, controlled from the platform. Such aerial platforms are intended to be occupied when driven.

Single copy price: \$35.00 (SIA Member) / \$45.00 (Non-member)

Order from: Jose Loveira, SIA (ASC A92); jloveira@scaffold.org  
Send comments (with copy to BSR) to: Same

## USPRO (U.S. Product Data Association)

### Withdrawals

ANSI/US PRO/ISO 10303-42-2000, Product Data Exchange Using STEP: Part 42 - Integrated Generic Resource: Geometry and Topological Representation (First Edition) (withdrawal of ANSI/US PRO/ISO 10303-42-2000)

This document is the ANSI adoption of the International Standard ISO 10303-42: 1994. The contents of these two documents are identical.  
Single copy price: N/A

Order from: ANSI  
Send comments (with copy to BSR) to: Charles Stark, USPRO;  
stark@aticorp.org

ANSI/US PRO/ISO 10303-214-2001, Product Data Exchange Using STEP: Part 214 - Application Protocol: Core Data for Automotive Mechanical Design Processes (withdrawal of ANSI/US PRO/ISO 10303-214-2001)

This document is the ANSI adoption of the International Standard ISO 10303-214: 2001. The contents of these two documents are identical.  
Single copy price: N/A

Order from: ANSI  
Send comments (with copy to BSR) to: Charles Stark, USPRO;  
stark@aticorp.org

## 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 1, 2005 through September 1, 2006

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

BSR/IEEE 1522-2003, Trial Use Standard for Testability and Diagnosability Characteristics and Metrics (trial use standard)

Defines technology independent and testability and diagnosability characteristics and metrics; particularly those based on relevant standard information models, including standard AI-ESTATE information models.

Single copy price: N/A

Order from: IEEE Customer Service, phone: 1-800-678-4333  
Send comments (with copy to BSR) to: David Ringle, IEEE;  
d.ringle@ieee.org

## Notice of Withdrawal: ANS at least 10 years past approval date

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

ANSI/(NFPA) T2.30.1-1994, Guide for Selection of Fluid Power Pressure Transducers

ANSI/SMPTE 143-1994, Motion-Picture Film (8mm Type R) - Length of Film on Camera Spools - 25-ft Capacity

ANSI/SMPTE 170M-1994, Television - Composite Analog Video Signal - NTSC for Studio Applications

ANSI/SMPTE 222M-1994, Television - Control and Review Rooms - Monitor System Electroacoustic Response

ANSI/SMPTE 270-1994, Motion-Picture Film (65-mm) - Manufacturer-Printed Latent Image Identification Information

ANSI/SMPTE 272M-1994, Television - Formatting AES/EBU Audio and Auxiliary Data into Digital Video Ancillary Data Space

ANSI/UL 1088-1994, Lighting Strings, Temporary

## Corrections

### Retraction of Canvass Request

BSR/AMCA 500-L-200x was listed in the Initiation of Canvasses section in the October 22, 2004 issue of Standards Action. This canvass request was submitted in error and is being withdrawn at the request of the SDO.

### Incorrect Contact Information

The October 22, 2004 edition of Standards Action listed the wrong contact name for commenting on the revision of an ASME, American Society of Mechanical Engineers standard. Here is the corrected information:

BSR/ASME B5.54-200x, Methods for Performance Evaluation of Computer Numerically Controlled Machining Centers

(revision of ANSI/ASME B5.54-1992 (R1998))

Please send comments (with copy to BSR) to: Mavic Lo, ASME;  
lom@asme.org.



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

## Order from:

### ANSI

American National Standards Institute  
25 West 43rd Street  
4th Floor  
New York, NY 10036  
Phone: (212) 642-4980  
Fax: (303) 379-2740  
Web: [www.ansi.org](http://www.ansi.org)

### API

American Petroleum Institute  
1220 L Street NW  
Washington, DC 20005  
Phone: (202) 682-8107  
Fax: (202) 962-4797

### ASAE

American Society of Agricultural Engineers  
2950 Niles Road  
St. Joseph, MI 49085-9659  
Phone: (269) 429-6300  
Fax: (269) 429-3852  
Web: [www.asae.org](http://www.asae.org)

### ASHRAE

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

### ASME

American Society of Mechanical Engineers  
3 Park Avenue, 20th Floor (20N2)  
New York, NY 10016  
Phone: (212) 591-8521  
Fax: (212) 591-8501  
Web: [www.asme.org](http://www.asme.org)

### ASSE

American Society of Safety Engineers  
1800 East Oakton Street  
c/o CoPS  
Des Plaines, IL 60018-2187  
Phone: (847) 768-3411  
Fax: (847) 296-9221

### ASTM

ASTM  
100 Barr Harbor Drive  
West Conshohocken, PA 19428-2959  
Phone: (610) 832-9743  
Fax: (610) 832-9666  
Web: [www.astm.org](http://www.astm.org)

### ATIS

Alliance for Telecommunications Industry Solutions  
1200 G Street NW, Suite 500  
Washington, DC 20005  
Phone: (202) 434-8839  
Fax: (202) 347-7125  
Web: [www.atis.org](http://www.atis.org)

### AWWA

American Water Works Association  
6666 West Quincy Avenue  
Denver, CO 80235  
Phone: (303) 347-6177  
Fax: (303) 795-7603  
Web: [www.awwa.org/asp/default.asp](http://www.awwa.org/asp/default.asp)

### comm2000

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

### Global Engineering Documents

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

### IEEE

Institute of Electrical and Electronics Engineers (IEEE)  
445 Hoes Lane, P.O.Box 1331  
Piscataway, NJ 08855-1331  
Phone: (732) 562-3806  
Fax: (732) 562-1571  
Web: [www.ieee.org](http://www.ieee.org)

### LIA (ASC Z136)

Laser Institute of America  
13501 Ingenuity Drive, Suite 128  
Orlando, FL 32826  
Phone: (407) 380-1553 x28  
Fax: (407) 380-5588  
Web: [www.laserinstitute.org](http://www.laserinstitute.org)

### MHI

Material Handling Industry  
8720 Red Oak Blvd., Suite 201  
Charlotte, NC 28217-3992  
Phone: (704) 676-1190  
Fax: (704) 676-1199  
Web: [www.mhia.org](http://www.mhia.org)

### SIA (ASC A92)

Scaffold Industry Association  
Post Office Box 20574  
Phoenix, AZ 85036-0574  
Phone: (602) 462-5701  
Fax: (602) 252-0004

## Send comments to:

- API**  
American Petroleum Institute  
1220 L Street NW  
Washington, DC 20005  
Phone: (202) 682-8107  
Fax: (202) 962-4797
- ASAE**  
American Society of Agricultural Engineers  
2950 Niles Road  
St. Joseph, MI 49085-9659  
Phone: (269) 429-6300  
Fax: (269) 429-3852  
Web: [www.asae.org](http://www.asae.org)
- ASHRAE**  
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.  
1791 Tullie Circle, N.E.  
Atlanta, GA 30329  
Phone: (404) 636-8400  
Fax: (404) 321-5478  
Web: [www.ashrae.org](http://www.ashrae.org)
- ASME**  
American Society of Mechanical Engineers (ASME)  
3 Park Avenue, 20th Floor  
New York, NY 10016  
Phone: (212) 591-7021  
Fax: (212) 591-8501  
Web: [www.asme.org](http://www.asme.org)
- ASSE**  
American Society of Safety Engineers  
1800 East Oakton Street  
c/o CoPS  
Des Plaines, IL 60018-2187  
Phone: (847) 768-3411  
Fax: (847) 296-9221
- ASTM**  
ASTM  
100 Barr Harbor Drive  
West Conshohocken, PA 19428-2959  
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Web: [www.astm.org](http://www.astm.org)
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Alliance for Telecommunications Industry Solutions  
1200 G Street NW, Suite 500  
Washington, DC 20005  
Phone: (202) 434-8839  
Fax: (202) 347-7125  
Web: [www.atis.org](http://www.atis.org)
- AWWA**  
American Water Works Association  
6666 West Quincy Avenue  
Denver, CO 80235  
Phone: (303) 347-6177  
Fax: (303) 795-7603  
Web: [www.awwa.org/asp/default.asp](http://www.awwa.org/asp/default.asp)
- IEEE**  
Institute of Electrical and Electronics Engineers (IEEE)  
445 Hoes Lane, P.O.Box 1331  
Piscataway, NJ 08855-1331  
Phone: (732) 562-3806  
Fax: (732) 562-1571  
Web: [www.ieee.org](http://www.ieee.org)
- LIA (ASC Z136)**  
Laser Institute of America  
13501 Ingenuity Drive, Suite 128  
Orlando, FL 32826  
Phone: (407) 380-1553 x28  
Fax: (407) 380-5588  
Web: [www.laserinstitute.org](http://www.laserinstitute.org)
- MHI**  
Material Handling Industry  
8720 Red Oak Blvd., Suite 201  
Charlotte, NC 28217-3992  
Phone: (704) 676-1190  
Fax: (704) 676-1199  
Web: [www.mhia.org](http://www.mhia.org)
- NAAMM**  
National Association of Architectural Metal Manufacturers  
7611 Nancy Drive  
Norfolk, VA 23518-4635  
Phone: (312) 757-583-3367  
Fax: 757-583-3314  
Web: [www.Naamm@gss.net](http://www.Naamm@gss.net)
- NEMA (ASC C80)**  
National Electrical Manufacturers Association  
1300 North 17th Street, Suite 1847  
Rosslyn, VA 22209  
Phone: (703) 841-3244  
Fax: (703) 841-3344  
Web: [www.nema.org](http://www.nema.org)
- SIA (ASC A92)**  
Scaffold Industry Association  
Post Office Box 20574  
Phoenix, AZ 85036-0574  
Phone: (602) 462-5701  
Fax: (602) 252-0004  
Web: [www.scaffold.org](http://www.scaffold.org)
- TIA**  
Telecommunications Industry Association  
2500 Wilson Boulevard  
Suite 300  
Arlington, VA 22201-3834  
Phone: (703) 907-7706  
Fax: (703) 907-7727  
Web: [www.tiaonline.org](http://www.tiaonline.org)
- UL-IL**  
Underwriters Laboratories, Inc.  
333 Pfingsten Road  
Northbrook, IL 60062-2096  
Phone: (703) 272-8800  
Fax: (703) 509-6217
- UL-NC**  
Underwriters Laboratories, Inc.  
12 Laboratory Drive  
Research Triangle Park, NC 27709-3995  
Phone: (919) 549-1400 x11896  
Fax: (919) 547-6180
- USPRO**  
U.S. Product Data Association  
Trident Research Center, Suite 204  
5300 International Boulevard  
North Charleston, SC 29418  
Phone: (843) 760-3293  
Fax: (843) 767-3352  
Web: <https://www.uspro.org>

# Initiation of Canvasses

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

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## **EASA (Electrical Apparatus Service Association)**

**Office:** 1331 Baur Blvd.  
St. Louis, MO 63132

**Contact:** *Thomas Bishop*

**Phone:** (314) 993-2220

**Fax:** (314) 993-1269

**E-mail:** [tbishop@easa.com](mailto:tbishop@easa.com)

BSR/EASA AR100-200x, Recommended Practice for the Repair of  
Rotating Electrical Apparatus (revision of ANSI/EASA AR100-1998)

# 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 PTC 19.11-1997 (R2004), Steam and Water Sampling, Conditioning and Analysis in the Power Cycle (reaffirmation of ANSI/ASME PTC 19.11-1997): 10/22/2004

## ATIS (Alliance for Telecommunications Industry Solutions)

### New Standards

- ★ ANSI/ATIS 0100001-2004, User Plane Security Guidelines and Requirements for ETS (new standard): 10/22/2004

### Revisions

ANSI ATIS 0327100-2004, CORBA-Based Telecommunications Management Network Interfaces (revision and redesignation of ANSI T1.271-2000): 10/22/2004

ANSI T1.223-2004, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange (revision of ANSI T1.223-1997): 10/22/2004

ANSI/ATIS 0326400-2004, OAM&P - Model for Alarm Synchronization (revision and redesignation of ANSI T1.264-1999): 10/22/2004

ANSI/ATIS 0326800-2004, TMI - PKI - Digital Certificates and Certificate Revocation Lists Profile (revision and redesignation of ANSI T1.268-2000): 10/22/2004

ANSI/ATIS 0327000-2004, CORBA - Generic Network and NE Level Information Model (revision and redesignation of ANSI T1.270-2000): 10/22/2004

## AWS (American Welding Society)

### Revisions

ANSI/AWS D14.6-2004, Specification for Welding of Rotating Elements of Equipment (revision of ANSI/AWS D14.6-96): 10/22/2004

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

### Revisions

ANSI Z21.47a-2004, Gas-Fired Central Furnaces (same as CSA 2.3a) (revision of ANSI Z21.47-2003 and ANSI Z21.47a-2001):

ANSI Z83.8b-2004, Gas Unit Heaters and Gas-Fired Duct Furnaces (revision of ANSI Z83.8-2002/CSA 2.6-2002 and Z83.8a-2003/CSA 2.6a-2003): 10/22/2004

## CSA (CSA America, Inc.)

### New Standards

ANSI/CSA FC 3-2004, Portable Fuel Cell Power Systems (new standard): 10/22/2004

## DASMA (Door and Access Systems Manufacturers Association)

### New Standards

- ★ ANSI/DASMA 203-2004, Standard for Non-Fire Rated Rolling Doors (new standard): 10/22/2004
- ★ ANSI/DASMA 204-2004, Standard for Fire Rated Rolling Door Assemblies (new standard): 10/22/2004

### Reaffirmations

ANSI/DASMA 105-1992 (R2004), Test Method for Thermal Transmittance and Air Infiltration of Garage Doors (reaffirmation of ANSI/DASMA 105-1992 (R1998)): 10/22/2004

ANSI/DASMA 107-1997 (R2004), Room Fire Test Standard for Garage Doors Using Foam Plastic Insulation (reaffirmation of ANSI/DASMA 107-1997): 10/22/2004

### Revisions

ANSI/DASMA 102-2004, Specifications for Sectional Doors (revision of ANSI/DASMA 102-1996): 10/22/2004

## NEMA (ASC C78) (National Electrical Manufacturers Association)

### Reaffirmations

ANSI C78.1430-1997 (R2004), Electric Lamps - Slide Projector Lamps - Condensing, Dichroic, 1.65-Inch (42-mm), Integral Reflector Rim-Reference Tungsten-Halogen Lamps with GX5.3 Bases (reaffirmation of ANSI C78.1430-1997): 10/22/2004

ANSI C78.1431-1997 (R2004), Electric Lamps: Slide Projector Lamps: Condensing, Dichroic, 2-Inch (51-mm), Integral Reflector, Rim-Reference Tungsten-Halogen Lamps with GY5.3 Bases (reaffirmation of ANSI C78.1431-1997): 10/22/2004

## NFPA (National Fire Protection Association)

### Revisions

ANSI/NFPA 312-200x, Standard for Fire Protection of Vessels During Construction, Repair, and Lay-Up (revision of ANSI/NFPA 312-2000):

## TIA (Telecommunications Industry Association)

### Reaffirmations

ANSI/TIA/EIA 136-100-B-2000 (R2004), TDMA Third Generation Wireless - RF Channel Assignments (reaffirmation and redesignation of ANSI/TIA 136-100-B-2000): 10/20/2004

ANSI/TIA/EIA 136-122-B-2000 (R2004), TDMA Third Generation Wireless - Digital Control Channel Layer 2 (reaffirmation and redesignation of ANSI/TIA 136-122-B-2000): 10/20/2004

ANSI/TIA/EIA 136-132-2003 (R2004), TDMA Third Generation Wireless - Digital Traffic Channel Layer 2 (reaffirmation and redesignation of ANSI/TIA 136-132-2003): 10/20/2004

ANSI/TIA/EIA 136-150-B-2000 (R2004), TDMA Third Generation Wireless - Analog Voice Channel (reaffirmation and redesignation of ANSI/TIA 136-150-B-2000): 10/20/2004

ANSI/TIA/EIA 136-230-2000 (R2004), TDMA Third Generation Wireless - Minimum Performance Specifications for US-1 Voice Coder (reaffirmation and redesignation of ANSI/TIA 136-230-2000): 10/20/2004

ANSI/TIA/EIA 136-341-2000 (R2004), TDMA Third Generation Wireless - Packet Data Service - 136HS Outdoor Physical Layer (reaffirmation and redesignation of ANSI/TIA 136-341-2000): 10/20/2004

ANSI/TIA/EIA 136-360-2000 (R2004), TDMA Third Generation Wireless - Packet Data Service - 136HS Indoor Overview (reaffirmation and redesignation of ANSI/TIA 136-360-2000): 10/20/2004

ANSI/TIA/EIA 136-361-2000 (R2004), TDMA Third Generation  
Wireless - Packet Data Service - 136HS Indoor Physical Layer  
(reaffirmation and redesignation of ANSI/TIA 136-361-2000):  
10/20/2004

ANSI/TIA/EIA 136-362-2000 (R2004), TDMA Third Generation  
Wireless - Packet Data Service - 136HS Indoor RLC/MAC  
(reaffirmation and redesignation of ANSI/TIA 136-362-2000):  
10/20/2004

ANSI/TIA/EIA 136-510-B-2000 (R2004), TDMA Third Generation  
Wireless - Authentication, Encryption of Signaling Information User  
Data and Privacy (reaffirmation and redesignation of ANSI/TIA  
136-510-B-2000): 10/20/2004

ANSI/TIA/EIA 136-511-A-2000 (R2004), TDMA Third Generation  
Wireless - Messages Subject to Encryption (reaffirmation and  
redesignation of ANSI/TIA 136-511-A-2000): 10/20/2004

ANSI/TIA/EIA 136-900-2000 (R2004), TDMA Third Generation  
Wireless - Introduction to Annexes/Appendices (reaffirmation and  
redesignation of ANSI/TIA 136-900-2000): 10/20/2004

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

### ***New Standards***

ANSI/UL 213-2004, Standard for Safety for Rubber Gasketed Fittings  
for Fire Protection Service (new standard): 10/19/2004

ANSI/UL 1484-2004, Residential Gas Detectors (new standard):  
10/18/2004

ANSI/UL 2075-2004, Gas and Vapor Detectors and Sensors (new  
standard): 10/18/2004

### ***Revisions***

ANSI/UL 197-2004, Standard for Safety for Commercial Electric  
Cooking Appliances (revision of ANSI/UL 197-2003): 10/20/2004

ANSI/UL 541-2004, Standard for Safety for Refrigerated Vending  
Machines (revision of ANSI/UL 541-2003): 10/22/2004

ANSI/UL 751-2004, Standard for Safety for Vending Machines (revision  
of ANSI/UL 751-2003): 10/22/2004

# Project Initiation Notification System (PINS)

ANSI Procedures require notification of ANSI by ANSI-accredited standards developers of the initiation and scope of activities expected to result in new or revised American National Standards. This information is a key element in planning and coordinating American National Standards. 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 new American National Standards or revisions to existing American National Standards that have been received from ANSI-accredited standards developers that utilize the periodic maintenance option in connection with their standards. Please also review the section entitled "American National Standards Maintained Under Continuous Maintenance" contained in Standards Action for comparable information with regard to standards maintained under the continuous maintenance option. Directly and materially affected interests wishing to receive more information should contact the standards developer directly.

## **AISI (American Iron and Steel Institute)**

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BSR/AISI/COS TS-1-02-200x, Rotational-Lateral Stiffness Test Method for Beam-to-Panel Assemblies (new standard)

Stakeholders: Cold-formed steel

Project Need: This is a test procedure used by manufacturers and researchers in cold-formed steel design and analysis.

This is a test procedure to determine the rotational-lateral stiffness of beam-to-panel assemblies. The test method is used primarily in determining the strength of beams connected to panels as part of a structural assembly.

BSR/AISI/COS TS-2-02-200x, Stub-Column Test Method for Effective Area of Cold-Formed Steel Columns (new standard)

Stakeholders: Cold-formed steel

Project Need: This is a test procedure used by manufacturers and researchers in cold-formed steel design and analysis.

This test method covers the determination of the effective cross-sectional area of cold-formed steel columns. It primarily considers the effects of local buckling and residual stresses and applied to solid or perforated columns that have holes (or hole patterns) in the flat and/or curved elements of the cross section.

BSR/AISI/COS TS-3-02-200x, Standard Methods for Determination of Uniform and Local Ductility (new standard)

Stakeholders: Cold-formed steel

Project Need: This is a test procedure used by manufacturers and researchers in cold-formed steel design and analysis.

This method covers the determination of uniform and local ductility from a tension test. Its primary use is as an alternative method of determining if a steel has adequate ductility as defined in the North American Cold-Formed Steel Specification. It is based on the method suggested by Dhalla and Winter.

BSR/AISI/COS TS-4-02-200x, Standard Test Methods for Determining the Tensile and Shear Strength of Screws (new standard)

Stakeholders: Cold-formed steel

Project Need: This is a test procedure used by manufacturers and researchers in cold-formed steel design and analysis.

The performance test methods included in this standard establish procedures for conducting tests to determine the tensile and shear strength of carbon steel screws. The screws may be thread-forming or thread-cutting, with or without a self-drilling point, and with or without washers. The intended application for these screws is to connect cold-formed sheet steel material.

BSR/AISI/COS TS-5-02-200x, Test Method for Mechanically Fastened Cold-Formed Steel Connections (new standard)

Stakeholders: Cold-formed steel

Project Need: This is a test procedure used by manufacturers and researchers in cold-formed steel design and analysis.

These performance test methods cover the determination of the strength and deformation of mechanically fastened connections for cold-formed steel building components, and are based extensively on test methods used successfully in the past. Connections in which the fasteners are stressed in shear (loads applied perpendicular to the shank of the fastener) and those in which the fasteners are stressed in tension (loads applied parallel to the shank of the fastener) are included. The objective is to evaluate actual field connections using standard test specimens and fixtures.

BSR/AISI/COS TS-6-04-200x, Standard Procedures for Panel and Anchor Structural Tests (new standard)

Stakeholders: Cold-formed steel

Project Need: This is a test procedure used by manufacturers and researchers in cold-formed steel design and analysis.

This test procedure extends and provides methodology for interpretation of results of tests performed according to ASTM E1592.

BSR/AISI/COS TS-7-02-200x, Cantilever Test Method for Cold-Formed Steel Diaphragms (new standard)

Stakeholders: Cold-formed steel

Project Need: This is a test procedure used by manufacturers and researchers in cold-formed steel design and analysis.

This test method is used to determine the nominal diaphragm shear strength and the shear stiffness for steel diaphragms used in framed wall, or floor construction.

BSR/AISI/COS TS-8-04-200x, Base Test Method for Purlins Supporting a Standing Seam Roof System (new standard)

Stakeholders: Cold-formed steel

Project Need: This is a test procedure used by manufacturers and researchers in cold-formed steel design and analysis.

This test is to obtain the reduction factor to be used in determining the nominal flexural strength of a purlin supporting a standing seam roof system.

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**BSR/ASME B5.59.1-200x, Data Specification for Machine Tool Performance Tests (new standard)**

Stakeholders: Vendors and users of machine tools, vendors of machine tool controllers, vendors of manufacturing IT applications that use machine tool data, machine tool maintenance and testing services, vendors of machine tool testing equipment.

Project Need: The B5.59 standards do not define which machine tool properties are important for a specific application, nor their respective recommended values. Therefore the standards do not prescribe the presence of the defined data elements and allow for the addition of user-defined data.

Defines an electronic data format (XML) and information model for the properties and results of machine tool performance tests. It focuses on performance parameters and tests defined in the ASME B5.54 and B5.57 standards on machine tool performance and their ISO counterparts. The specified information elements enable the user to re-create the test setup and equipment settings and can be used as both input and output to the data acquisition.

**BSR/ASME B5.59.2-200x, Data Specification for Properties of Machine Tools for Milling and Turning (new standard)**

Stakeholders: Vendors and users of machine tools, vendors of machine tool controllers, vendors of manufacturing IT applications that use machine tool data, machine tool maintenance and testing services, vendors of machine tool testing equipment.

Project Need: The B5.59 standards do not define which machine tool properties are important for a specific application, nor their respective recommended values. Therefore the standards do not prescribe the presence of the defined data elements and allow for the addition of user-defined data.

Defines an electronic data format (XML) and information model for the properties of machine tools for milling and turning at an arbitrary instance in the machine's life-cycle, e.g., during specification, after acceptance testing, or at any time during operation. The focus of the Standard is on properties that address the performance and capabilities of the machine tool as defined in the ASME B5.54 and B5.57 standards on machine tool performance evaluation and their respective ISO counterparts. The area addressed by B5.59.2 ranges from machine tool definition data, such as work volume and axis configuration, to a summary of machine tool performance data.

**BSR/ASME B107.29-200x, Electronic Tester, Hand Torque Tools (revision and redesignation of ANSI/ASME B107.29M-1998)**

Stakeholders: Manufacturers, distributors, and users of hand torque

Project Need: Type designations for different accuracy ratings have been added.

Provides performance and safety requirements for electronic torque testers used for checking manually operated hand held torque wrenches and torque screwdrivers.

**BSR/ASME PTC 19.2-200x, Pressure Measurement (revision of ANSI/ASME PTC 19.2-1987 (R1998))**

Stakeholders: Power and petrochemical industries

Project Need: New measurement techniques will be added, obsolete one removed. Measurement uncertainty will be quantified.

It is the purpose of this document to give instructions and guidance for the accurate determination of pressure values that are commonly needed in support of the ASME Performance Test Codes. The choice of method and instruments to be used, required calculations, and corrections to be applied in any given case depends on the purpose of the measurement, the accuracy level required, and the nature of the equipment being tested.

**BSR/ASME PTC 22-200x, Performance Test Code on Gas Turbines (revision of ANSI/ASME PTC 22-1997 (R2003))**

Stakeholders: Gas turbine designers, manufacturers, and users

Project Need: This Test Code provides directions and rules for conduct and report of results of thermal performance tests for open cycle gas turbine power plants and gas turbine engines (gas turbines). The object is to determine the thermal performance of the gas turbine when operating at test conditions, and correcting these test results to specified reference conditions.

This test code provides directions and rules for the conduct and reporting of results of test(s) for open-cycle gas turbine power plants and gas turbine engines. It provides test procedures, which yield results of the highest level of accuracy consistent with the best engineering knowledge and practice in the gas turbine industry.

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**BSR/EASA AR100-200x, Recommended Practice for the Repair of Rotating Electrical Apparatus (revision of ANSI/EASA AR100-1998)**

Stakeholders: Electrical apparatus service centers and end users

Project Need: EASA and ANSI procedures require periodic reaffirmation or revision of standards.

This document describes recordkeeping, tests, analysis, and general guidelines for the repair of rotating electrical apparatus, including generators and motors.

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**BSR/FCI 86-1-200x, Standard for Solenoid Valve Terminology and Nomenclature (new standard)**

Stakeholders: Manufacturers, producers, users

Project Need: This standard has been created to provide manufacturers and users of solenoid valves with common terminology and nomenclature.

This standard identifies and defines the basic methods of operation, types and functionality associated with most 2- and 3-way solenoid valves. A comprehensive glossary of associated terminology is also provided.

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**BSR/EIA 656-A-200x, I/O Buffer Information Specification (IBIS) (revision of ANSI/EIA 656-1995)**

Stakeholders: Telecommunications, electronics

Project Need: The IBIS committee has approved and issued several revisions to the currently accepted ANSI/GEIA EIA-656-A standard. The committee would like to revise the current standard to reflect these changes.

IBIS is a standard for electronic behavioral specifications of digital integrated circuit input/output (I/O) analog characteristics. IBIS specifies a consistent software-parsable format for essential behavioral information. Within the IBIS format, vendors can accurately model compatible buffers. The goal of IBIS is to support all simulators of all degrees of sophistication.

BSR/EIA 656-A-1999 (R200x), I/O Buffer Information Specification (IBIS) (reaffirmation of ANSI/EIA 656-A-1999)

Stakeholders: Electronics

Project Need: The document has reached its normal review cycle.

IBIS is a standard for electronic behavioral specifications of digital integrated circuit input/output (I/O) analog characteristics. IBIS specifies a consistent software-parsable format for essential behavioral information. Within the IBIS format, vendors can accurately model compatible buffers. The goal of IBIS is to support all simulators of all degrees of sophistication.

BSR/GEIA STD-0001-200x, IBIS Interconnect Modeling Specification (ICM) (new standard)

Stakeholders: Telecommunications, consumer electronics

Project Need: A standard method for exchanging interconnect modeling data that will work without modification in all simulators does not presently exist. The ICM specification will allow for standard methods of modeling connectors, cables, PCB traces, and IC packages.

The ICM specification provides for general purpose interconnect modeling in an IBIS (I/O Buffer Information Specification) compatible format. It provides a means for modeling all electrical interconnect types, including connectors, cables, packages, and printed circuit boards. The specification describes a consistent format that can be parsed by software, allowing interconnect modeling data to be transferred between interconnect design and simulation tools.

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

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BSR/IEEE 802.11p-200x, Amendment to LAN/MAN - Part II: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: Wireless Access in Vehicular Environments (supplement to ANSI/IEEE 802.11-1999 (R2003))

Stakeholders: Data communications industry and Telecommunications industry

Project Need: The purpose of the proposed project is to amend the existing IEEE 802.11 standard to make it suitable for interoperable communications to and between vehicles.

The scope of the proposed project is to create an amendment of IEEE 802.11 to support communication between vehicles and the roadside and between vehicles while operating at speeds up to a minimum of 200 km/h for communication ranges up to 1000 meters. The amendment will support communications in the 5 GHz bands; specifically 5.850-5.925 GHz band within North America with the aim to enhance the mobility and safety of all forms of surface transportation, including rail and marine. Amendments to the PHY and MAC will be limited to those required to support communications under these operating environments within the 5 GHz bands.

BSR/IEEE 802.22-200x, Wireless Regional Area Networks (WRAN) - Part 22: Cognitive Wireless RAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: Policies and procedures for operation in the TV Bands (new standard)

Stakeholders: Data communications industry and Telecommunications industry

Project Need: To enable deployment of interoperable 802 multivendor wireless regional area network products, to facilitate competition in broadband access by providing alternatives to wireline broadband access and extending the deployability of such systems into diverse geographic areas, while preventing harmful interference to incumbent licensed services in the TV broadcast bands.

This standard specifies the air interface, including the medium access control layer (MAC) and physical layer (PHY), of fixed point-to-multipoint wireless regional area networks operating in the VHF/UHF TV broadcast bands between 54 MHz and 862 MHz.

BSR/IEEE 1076-200x, Standard VHDL Language Reference Manual (revision of ANSI/IEEE 1076-2002)

Stakeholders: Electronics Design Automation (EDA) tool vendors, Digital IC and FPGA IP developers, Digital IC and FPGA developers and manufacturers, Digital and embedded system developers, manufacturers and integrators

Project Need: To incorporate capabilities that will improve the VHDL language's usefulness for its intended purpose as well as extend it to address design verification methodologies that have developed in industry. These new design and verification capabilities are required to ensure VHDL remains relevant and valuable for use in electronic systems design and verification.

This project will revise and enhance the VHDL LRM by including a standard C language interface specification; specifications from previously separate, but related standards 1164, 1076.2 and 1076.3; and general language enhancements in the areas of design and verification of electronic systems.

BSR/IEEE 1850-200x, Standard for PSL: Property Specification Language (new standard)

Stakeholders: Electronics Design Automation (EDA) tool vendors, Digital IC and FPGA IP developers, Digital IC and FPGA developers and manufacturers, Digital and embedded system developers, manufacturers and integrators

Project Need: To provide a well-defined language for formal specification of electronic system behavior, one that is compatible with multiple electronic system design languages, including IEEE 1076 VHDL, IEEE 1364 Verilog, IEEE 1800 System Verilog, and OSCI SystemC, to facilitate a common specification and verification flow for multi-language and mixed-language designs.

The Accellera Property Specification Language (PSL), a language for formal specification of electronic system behavior, was developed by Accellera, a consortium of Electronic Design Automation (EDA), semiconductor, and system companies. The proposed project will create an initial IEEE standard based upon Accellera PSL version 1.1. The IEEE standard will refine Accellera PSL version 1.1, addressing errata and a few minor technical issues and clarifying how PSL interfaces with various standard electronic system design languages.

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BSR/IEEE 765-200x, Preferred Power Supply (PPS) for Nuclear Power Generating Stations (revision of ANSI/IEEE 765-2002)

Stakeholders: Utilities with nuclear power plants

Project Need: To provide an acceptable methodology to ensure that the design basis of the Preferred Power System, (PPS), post-trip voltage remains valid for all reasonably expected system conditions.

This PAR is to revise IEEE 765-2002 to add guidelines for transmission system studies to verify voltage adequacy of preferred power supplies.

BSR/IEEE 979-200x, Guide for Substation Fire Protection (revision of ANSI/IEEE 979-1994 (R2004))

Stakeholders: Substation engineers

Project Need: Several recent fires in US and European substations, along with environmental governance changes, have highlighted the need to update substation design and fire protection practices and the types of fire protection measures and fire fighting strategies.

The 1994 guide was developed to identify substation fire protection practices that generally have been accepted by industry. The revision will include changes in industry practices for substation fire protection. New sections on fire hazard assessment and pre-fire planning will be added.



**BSR/IEEE 1725-200x, Standard for Rechargeable Batteries for Cellular Telephones (new standard)**

Stakeholders: Battery cell manufacturers, battery pack manufactures, cell phone manufacturers, carriers, and users

Project Need: The purpose of this standard is to ensure reliable user experience and operation of cell phone batteries. The battery and cellular telephone industries need standardized criteria for design and qualification of rechargeable battery systems and for verifying the quality and reliability of those batteries.

This standard establishes criteria for design analysis for qualification, quality, and reliability of rechargeable lithium ion and lithium ion polymer batteries for cellular telephone applications. Also included in the standard are: battery pack electrical and mechanical construction, packaging technologies, and pack and cell level charge and discharge controls and overall system considerations.

**BSR/IEEE C37.20.1a-200x, Amendment to C37.20.1 - IEEE Standard for Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear (supplement to ANSI/IEEE C37.20.1-2002)**

Stakeholders: Manufacturers and users of metal-enclosed low-voltage power circuit breaker switchgear

Project Need: To remove a test option that is not possible to perform as stated, and to correct a metrification (conversion) error that could result in primary cable space designs.

The scope of this project is to:

- (1) Remove references to "dummy elements" in 6.2.4 and 6.2.5. (They are nonexistent in low voltage equipment.) Replace with text similar to that found in C37.51 - 1989, 4.7 and 4.8; and
- (2) Correct the measurements in Table 10 to square centimeters. Table 10 mentions "square centimeters" in the title, but the table units are in square inches.

**BSR/IEEE C37.59-200x, Standard Requirements for Conversion of Power Switchgear Equipment (revision of ANSI/IEEE C37.59-2002)**

Stakeholders: Users of power distribution switchgear, manufacturers, test laboratories, third-party certification organizations, and consulting engineering firms

Project Need: The field of conversions of power switchgear is evolving, creating the need to keep this document current with the state-of-the-art.

The scope of the document is to change the title of clause 1 "scope" and clause 1.1 (presently titled "scope") to be retitled as "background". The text of the standard will undergo substantial revisions throughout.

**BSR/IEEE C135.64-200x, Guide for Design Testing of Bolted Deadend Strain Clamps (new standard)**

Stakeholders: Purchasers and manufacturers of strain clamps

Project Need: There are no North American standards which apply to bolted deadending devices for wire used in the utility industry. A guide to the design testing of such devices brings needed uniformity to the capability of such devices.

The scope of this project is to devise a guide to the acceptable testing practices and requirements for bolted clamping devices used for dead-ending electrical wire conductors onto a supporting structure. The guide will be limited to procedures to test and classify the capability of the deadending clamp. As these devices are not individually tested, production samples of the Device, as designed, are submitted to testing laboratories to prove that the design meets the use criteria. The Guide would direct this testing process.

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**BSR/IEEE 1512.3-200x, Standard for Hazardous Material Incident Management Message Sets for Use by Emergency Management Centers (revision of ANSI/IEEE 1512.3-2002)**

Stakeholders: Emergency response agencies

Project Need: The purpose of this project is to include XML schema and changes brought about by regulatory changes.

The scope of this project is the comprehensive set of message sets specific to control and confinement of Hazardous Materials. This work will be a functional partition of the Incident Management Base Standard 1512. Hazardous Materials will include the unique disciplines associated with communications dealing with control and confinement of Hazardous Materials during and following an incident.

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**BSR/IEEE 325-200x, Standard Test Procedures for Germanium Gamma-Ray Detectors Used in Analog and Digital Signal Processing Systems (revision of ANSI/IEEE 325-1996 (R2002))**

Stakeholders: Users of germanium detectors

Project Need: The purpose of this project is to update the standard because of improved technology and procedures. This is necessary because of the pulse processing changes from using Digital Signal Processor (DSP).

The scope of this project is to update ANSI/IEEE 325-1996 for modern electronics and add new source-detection geometries.

**BSR/IEEE 1309a-200x, Amendment 1 to IEEE Standard Method for the Calibration of Electromagnetic Field Sensors and Field Probes, Excluding Antennas, from 9 kHz to 40GHz: Probe characteristics, use and measurement uncertainty: Probe Use (supplement to ANSI/IEEE 1309-1996)**

Stakeholders: Calibration laboratories

Project Need: Provides instruction on proper use of RF field probes to prevent cases in which the probes return values that are significantly different from the calibrated response.

This project will produce an amendment defining characteristics, use, and measurement uncertainties for electromagnetic field sensors and field probes, beyond the details about calibration setups and uncertainties already contained in IEEE Std 1309. Specific instructions will be provided for proper calibration of probes for different fields of use.

**BSR/IEEE 1547.5-200x, Technical Guidelines for Interconnection of Electric Power Sources Greater than 10MVA to the Power Transmission Grid (new standard)**

Stakeholders: Electric Utilities, Independent Power Producers (IPP's), Manufacturers of DG and transmission equipment, and the federal government regarding regulatory (i.e. interconnection of DG's to transmission line (FERC), etc.).

Project Need: There is a need for an IEEE document that will provide a common technical platform for interconnections between entities and transmission grids..

This document provides guidelines regarding the technical requirements, including design, construction, commissioning acceptance testing and maintenance/performance requirements, for interconnecting dispatchable electric power sources with a capacity of more than 10 MVA to a bulk power transmission grid.

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

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BSR INCITS PN-1733-D-200x, Information Technology - Common RAID Data Disk Format (DDF) (new standard)

Stakeholders: Storage developers, vendors, and integrators, particularly in the SMB, IT, consumer/retail, and Internet markets.

Project Need: To provide interoperability, transportability or reusability between vendors or future RAID solutions.

The Common RAID Disk Data Format structure (or DDF for short) is designed to provide a common method for storing RAID configuration information on physical disks. It will enable basic level of interoperability between different suppliers of RAID technologies. The specification was created to standardize the method for storing configuration information on RAID solutions. The specification defines a standard data structure describing how data is formatted across the disks in a RAID group.

**NASPO (North American Security Products Organization)**

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BSR/NASPO-200x, Document and Product Anti-Fraud Industry - Security Assurance Standards (new standard)

Stakeholders: Producers and users of physical anti-fraud & counterfeit products, services and technologies.

Project Need: To provide users, makers and providers of physical document and product security products, services and technologies with a graded set of standards for the identification and management of risks.

Defines risks that must be managed by high, medium and basic security product or service providers to obtain, respectively, NASPO Class I, II or III certification. Standard defines requirements for security infrastructure, systems, equipment and procedures that are mandatory for each Class. A method of quantifying the "amount" of security assurance delivered is provided for use as a self assessment score sheet. Audit procedures that verify compliance with the NASPO requirements are also defined.

**TIA (Telecommunications Industry Association)**

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BSR/TIA 664-000-B-1-200x, Modification to TIA-664 to support CDMA Packet Data Services (supplement to ANSI/TIA 664-000-B-2003)

Stakeholders: Telecommunications industry

Project Need: Modifications to TIA-664.000.

TIA-664 needs to be modified to support CDMA packet data services and a new stage 1 added.

BSR/TIA 664-805-200x, Stage 1 for CDMA packet data services (new standard)

Stakeholders: Telecommunications industry

Project Need: The requirements for CDMA need to be defined in a stage 1.

The requirements for CDMA need to be defined in a stage 1.

BSR/TIA 664-803-A-1-200x, The TIS-664 Network Services Stage 1 needs to be updated to Accomodate CDMA Packet Data Services (supplement to ANSI/TIA 664-803-A-2000)

Stakeholders: Telecommunications industry

Project Need: Modifications to TIA-664.000.

A new section on CDMA packet data services needs to be added.

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BSR/UL 1088-200x, Standard for Safety for Temporary Lighting Strings (new standard)

Stakeholders: Manufacturers and users of temporary lighting strings.

Project Need: To attain a national based standard covering temporary lighting strings.

UL 1088 covers temporary lighting strings rated not more than 20 A, 125 V, intended for indoor and outdoor use to provide temporary illumination in accordance with the NEC, as well as temporary lighting strings consisting of a factory assembly of flexible cord or cable incorporating a series of lampholders provided with lamp guards. The complete assembly is intended for connection to a branch circuit.

# American National Standards Maintained Under Continuous Maintenance

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

Continuous maintenance is defined as follows:

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

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

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

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

To obtain additional information with regard to these standards, such as contact information at the ANSI accredited standards developer, please visit ANSI Online at [www.ansi.org](http://www.ansi.org), select Internet Resources, click on "Standards Information," and see "American National Standards Maintained Under Continuous Maintenance". This information is also available directly at <http://public.ansi.org/ansionline/Documents/Standards%20Activities/American%20National%20Standards/Procedures,%20Guides,%20and%20Forms/>.

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

# ISO 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

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

## ISO Standards

### BIOLOGICAL EVALUATION OF MEDICAL AND DENTAL MATERIALS AND DEVICES (TC 194)

ISO/DIS 10993-2, Biological evaluation of medical devices - Part 2: Animal welfare requirements - 1/20/2005, \$58.00

### GLASS IN BUILDING (TC 160)

ISO/DIS 16932, Glass in building - Destructive-windstorm-resistant security glazing - Test and classification - 1/20/2005, \$67.00

ISO/DIS 16933, Glass in building - Explosion-resistant security glazing - Test and classification by arena air-blast loading - 1/20/2005, \$67.00

ISO/DIS 16935, Glass in building - Bullet-resistant security glazing - Test and classification - 1/20/2005, \$58.00

### OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 13697, Optics and photonics - Lasers and laser-related equipment - Test methods for specular reflectance and transmittance of optical laser components - 1/20/2005, \$67.00

### STEEL WIRE ROPES (TC 105)

ISO/DIS 17558, Steel wire ropes - Socketing procedures - Molten metal and resin socketing - 1/27/2005, \$67.00

### SURFACE CHEMICAL ANALYSIS (TC 201)

ISO 18115/DAMd1, Surface chemical analysis - Vocabulary - Amendment 1 - 1/20/2005, \$67.00

### TEXTILES (TC 38)

ISO/DIS 1833-3, Textiles - Quantitative chemical analysis - Part 3: Mixtures of acetate and certain other fibres (method using acetone) - 1/27/2005, \$28.00

ISO/DIS 1833-2, Textiles - Quantitative chemical analysis - Part 2: Ternary fibre mixtures - 1/27/2005, \$63.00

ISO/DIS 1833-7, Textiles - Quantitative chemical analysis - Part 7: Mixtures of polyamide 6 or polyamide 6.6 and certain other fibres (method using formic acid) - 1/27/2005, \$32.00

ISO/DIS 1833-8, Textiles - Quantitative chemical analysis - Part 8: Mixtures of acetate and triacetate fibres (method using acetone) - 1/27/2005, \$28.00

ISO/DIS 1833-9, Textiles - Quantitative chemical analysis - Part 9: Mixtures of acetate and triacetate fibres (method using benzyl alcohol) - 1/27/2005, \$28.00

ISO/DIS 1833-10, Textiles - Quantitative chemical analysis - Part 10: Mixtures of triacetate and certain other fibres (method using dichloromethane) - 1/27/2005, \$28.00

ISO/DIS 1833-11, Textiles - Quantitative chemical analysis - Part 11: Mixtures of cellulose and polyester fibres (method using sulfuric acid) - 1/27/2005, \$28.00

ISO/DIS 1833-12, Textiles - Quantitative chemical analysis - Part 12: Mixtures of acrylic, certain modacrylics or chlorofibres and certain other fibres (method using dimethylformamide) - 1/27/2005, \$32.00

ISO/DIS 1833-21, Textiles - Quantitative chemical analysis - Part 21: Mixtures of chlorofibres, some modacrylics, some elastanes, acetates, triacetates and some other fibres (method using cyclohexanone) - 1/27/2005, \$38.00

## IEC Standards

4/199/FDIS, IEC 60308 Ed. 2.0: Hydraulic turbines - Testing of control systems, 01/07/2005

40/1503/FDIS, IEC 60384-23: Fixed capacitors for use in electronic equipment - Part 23: Sectional specification: Fixed surface mount metallized polyethylene naphthalate film dielectric DC capacitors, 01/07/2005

40/1504/FDIS, IEC 60384-23-1: Fixed capacitors for use in electronic equipment - Part 23-1: Blank detail specification: Fixed surface mount metallized polyethylene naphthalate film dielectric DC capacitors - Assessment level EZ, 01/07/2005

40/1505/FDIS, IEC 62319-1: Polymeric thermistors - Directly heated positive step function temperature coefficient - Part 1: Generic specification, 01/07/2005

40/1506/FDIS, IEC 62319-1-1: Polymeric thermistors - Directly heated positive step function temperature coefficient - Part 1-1: Blank detail specification - Current limiting application, 01/07/2005

61/2788/FDIS, IEC 60335-2-5-A1 Ed 5.0: Household and similar electrical appliances - Safety - Part 2-5: Particular requirements for dishwashers, 01/07/2005

100/870/FDIS, IEC 62345: ID format for 50 mm magneto-optical disc system, 01/07/2005

17B/1388/FDIS, Amendment 1 to IEC 60947-5-3, Ed. 1: Low-voltage switchgear and controlgear - Part 5-3: Control circuit devices and switching elements - Requirements for proximity devices with defined behaviour under fault conditions (PDF), 12/17/2004

17B/1389/FDIS, Amendment 1 to IEC 60947-5-5, Ed. 1: Low-voltage switchgear and controlgear - Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function, 12/17/2004

91/497/FDIS, IEC 61249-2-2, Ed. 1: Materials for printed boards and other interconnecting structures - Part 2-2: Reinforced base materials, clad and unclad - Phenolic cellulose paper reinforced laminated sheets, high electrical grade, copper-clad, 12/17/2004



# Newly Published ISO Standards

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

## AGRICULTURAL FOOD PRODUCTS (TC 34)

- [ISO 1738:2004](#), Butter - Determination of salt content, \$38.00
- [ISO 2920:2004](#), Whey cheese - Determination of dry matter (Reference method), \$32.00
- [ISO 6611:2004](#), Milk and milk products - Enumeration of colony-forming units of yeasts and/or moulds - Colony-count technique at 25 degrees C, \$43.00
- [ISO 18329:2004](#), Milk and milk products - Determination of furosine content - Ion-pair reverse-phase high-performance liquid chromatography method, \$53.00

## FASTENERS (TC 2)

- [ISO 14580/Cor1:2004](#), Hexalobular socket cheese head screws - Corrigendum, FREE
- [ISO 14583/Cor1:2004](#), Hexalobular socket pan head screws - Corrigendum, FREE

## GRAPHICAL SYMBOLS (TC 145)

- [ISO 3864-2:2004](#), Graphical symbols - Safety colours and safety signs - Part 2: Design principles for product safety labels, \$78.00

## MECHANICAL VIBRATION AND SHOCK (TC 108)

- [ISO 18431-2:2004](#), Mechanical vibration and shock - Signal processing - Part 2: Time domain windows for Fourier Transform analysis, \$49.00

## NUCLEAR ENERGY (TC 85)

- [ISO 17873:2004](#), Nuclear facilities - Criteria for the design and operation of ventilation systems for nuclear installations other than nuclear reactors, \$119.00

## PRODUCTS IN FIBRE REINFORCED CEMENT (TC 77)

- [ISO 8336/Amd1:2004](#), Fibre-cement flat sheets - Amendment 1, \$12.00

## ROAD VEHICLES (TC 22)

- [ISO 16247:2004](#), Road vehicles - Detection of exhaust system leaks - Helium test method and detection device specification, \$43.00

## RUBBER AND RUBBER PRODUCTS (TC 45)

- [ISO 706:2004](#), Rubber latex - Determination of coagulum content (sieve residue), \$43.00
- [ISO 4658/Amd1:2004](#), Rubber, acrylonitrile-butadiene (NBR) - Test recipe and evaluation of vulcanization characteristics - Amendment 1, \$12.00

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

- [ISO 11783-7/Cor1:2004](#), Tractors and machinery for agriculture and forestry - Serial control and communications data network - Part 7: Implement messages application layer - Corrigendum, FREE

## ISO Technical Reports

### QUALITY MANAGEMENT AND CORRESPONDING GENERAL ASPECTS FOR MEDICAL DEVICES (TC 210)

- [ISO/TR 14969:2004](#), Medical devices - Quality management systems - Guidance on the application of ISO 13485: 2003, \$137.00

## ISO Technical Specifications

### GEOTECHNICS (TC 182)

- [ISO/TS 17892-1:2004](#), Geotechnical investigation and testing - Laboratory testing of soil - Part 1: Determination of water content, \$38.00
- [ISO/TS 17892-2:2004](#), Geotechnical investigation and testing - Laboratory testing of soil - Part 2: Determination of density of fine-grained soil, \$53.00
- [ISO/TS 17892-3:2004](#), Geotechnical investigation and testing - Laboratory testing of soil - Part 3: Determination of particle density - Pycnometer method, \$43.00
- [ISO/TS 17892-4:2004](#), Geotechnical investigation and testing - Laboratory testing of soil - Part 4: Determination of particle size distribution, \$83.00
- [ISO/TS 17892-5:2004](#), Geotechnical investigation and testing - Laboratory testing of soil - Part 5: Incremental loading oedometer test, \$83.00
- [ISO/TS 17892-6:2004](#), Geotechnical investigation and testing - Laboratory testing of soil - Part 6: Fall cone test, \$43.00
- [ISO/TS 17892-7:2004](#), Geotechnical investigation and testing - Laboratory testing of soil - Part 7: Unconfined compression test on fine-grained soils, \$43.00
- [ISO/TS 17892-8:2004](#), Geotechnical investigation and testing - Laboratory testing of soil - Part 8: Unconsolidated undrained triaxial test, \$49.00
- [ISO/TS 17892-9:2004](#), Geotechnical investigation and testing - Laboratory testing of soil - Part 9: Consolidated triaxial compression tests on water-saturated soils, \$72.00
- [ISO/TS 17892-10:2004](#), Geotechnical investigation and testing - Laboratory testing of soil - Part 10: Direct shear tests, \$53.00
- [ISO/TS 17892-11:2004](#), Geotechnical investigation and testing - Laboratory testing of soil - Part 11: Determination of permeability by constant and falling head, \$63.00

[ISO/TS 17892-12:2004](#), Geotechnical investigation and testing - Laboratory testing of soil - Part 12: Determination of Atterberg limits, \$53.00

## **ISO/IEC JTC 1, Information Technology**

[ISO/IEC 15961:2004](#), Information technology - Radio frequency identification (RFID) for item management - Data protocol: application interface, \$147.00

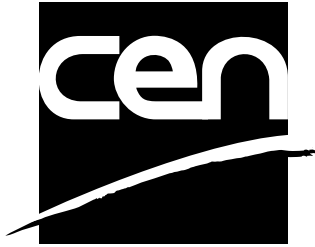
[ISO/IEC 15962:2004](#), Information technology - Radio frequency identification (RFID) for item management - Data protocol: data encoding rules and logical memory functions, \$125.00

[ISO/IEC 21000-7:2004](#), Information technology - Multimedia framework (MPEG-21) - Part 7: Digital Item Adaptation, \$234.00

## **ISO/IEC JTC 1 Technical Reports**

[ISO/IEC TR 18001:2004](#), Information technology - Radio frequency identification for item management - Application requirements profiles, \$147.00

## CEN/CENELEC Standards Activity



**Competitive Excellence Through  
Standardization Technology**

This section provides information on standards activity within CEN - the European Committee for Standardization - and CENELEC - the European Committee for Electrotechnical Standardization. CEN and CENELEC are composed of European member bodies whose countries cooperate within the European Economic Community (Common Market) and the European Free Trade Association (EFTA). Their primary purpose is to develop standards needed to harmonize European interests and prevent technical barriers. Both CEN and CENELEC are committed to adopting standards developed by ISO and IEC wherever possible.

ANSI is publishing this information to give U.S. interests an opportunity to obtain information, and to comment on proposed European Standards and/or Harmonization Documents being circulated for enquiry. Anyone interested in obtaining this information, and/or commenting on proposals should order copies from ANSI.

Comments regarding CEN are to be sent to Henrietta Scully at ANSI's New York offices. Comments regarding CENELEC are to be sent to Charles T. Zegers, also at ANSI's New York offices.

### Ordering Instructions

**ENs are currently available via ANSI's ESS (Electronic Standards Store), accessed at [www.ansi.org](http://www.ansi.org).**

**prENs can be made available via ANSI's ESS "on-demand" via e-mail request. Send your request for a prEN to be made available via the ESS to Customer Service at [sales@ansi.org](mailto:sales@ansi.org) and the document will be posted to the ESS within 3 working days. Please be ready to provide the date of the Standards Action issue in which the prEN document you are requesting appears.**

## CEN

### European drafts sent for CEN enquiry

The following European drafts have been sent to CEN members for enquiry and comment. If the draft is a proposed adoption of an International Standard, it is so noted. The final date for offering comments is listed after each proposal.

- EN 26: 1997/prA3, Gas-fired instantaneous water heaters for sanitary uses production, fitted with atmospheric burners - 2/21/2005, \$43.00
- EN 89: 1999/prA4, Gas fired storage water heaters for the production of domestic hot water - 2/21/2005, \$38.00
- prEN 901, Chemicals used for treatment of water intended for human consumption - Sodium hypochlorite - 2/21/2005, \$102.00
- prEN 1256 REVIEW, Gas welding equipment - Specification for hose assemblies for equipment for welding, cutting and allied processes - 3/21/2005, \$38.00
- prEN 1366-9, Fire resistance tests for service installations - Part 9: Single compartment smoke extraction ducts - 3/21/2005, \$83.00
- prEN 1366-10, Fire resistance tests for service installations - Part 10: Smoke control dampers - 3/21/2005, \$88.00
- prEN 1483 REVIEW, Water quality - Determination of mercury - 3/21/2005, \$49.00
- prEN 12101-9, Smoke and heat control systems - Part 9: Control panels - 3/21/2005, \$119.00
- prEN 14185-2, Non fatty foods - Determination of N-methylcarbamate residues - Part 2: HPLC-method with clean-up on a diatomaceous earth column - 2/21/2005, \$49.00

- prEN 15067-1, Plastics and rubber machines - Welding machines for plastics - Part 1: Safety requirements for film converting machines for bags and sacks - 3/21/2005, \$67.00
- prEN 15068, Gas welding equipment - Laboratory measurement of noise emitted by blowpipes for welding, cutting, heating, brazing and soldering - Measurement method - 2/21/2005, \$32.00
- prEN 15069, Safety gas connection valves for metal hose assemblies used for the connection of domestic appliances using gaseous fuel - 3/21/2005, \$113.00
- prEN 15070, Strip wound flexible safety metallic hose assemblies for the connection of domestic appliances using gaseous fuels - 3/21/2005, \$107.00
- prEN 15072, Chemicals used for treatment of swimming pool water - Sodium dichloroisocyanurate, anhydrous - 2/21/2005, \$38.00
- prEN 15073, Chemicals used for treatment of swimming pool water - Sodium dichloroisocyanurate, dihydrate - 2/21/2005, \$38.00
- prEN 15074, Chemicals used for treatment of swimming pool water - Ozone - 2/21/2005, \$28.00
- prEN 15075, Chemicals used for treatment of swimming pool water - Sodium hydrogen carbonate - 2/21/2005, \$28.00
- prEN 15076, Chemicals used for treatment of swimming pool water - Sodium hydroxide - 2/21/2005, \$32.00
- prEN 15077, Chemicals used for treatment of swimming pool water - Sodium hypochlorite - 2/21/2005, \$38.00
- prEN 15078, Chemicals used for treatment of swimming pool water - Sulfuric acid - 2/21/2005, \$28.00
- prEN 15079, Copper and copper alloys - Analysis by optical emission spectrometry with spark excitation (S-OES) - 3/21/2005, \$43.00
- prEN 15080-1, Extended application of results from fire resistance tests - Part 12: Penetration seals - 3/21/2005, \$53.00
- prEN 15080-8, Extended application of results from fire resistance tests - Part 8: Beams - 3/21/2005, \$102.00



- prEN 15081, Industrial valves - Mounting kits for part-turn valve actuator attachment - 3/21/2005, \$53.00
- prEN ISO 5659-2 REVIEW, Plastics - Smoke generation - Part 2: Determination of optical density by a single-chamber test (ISO/DIS 5659-2: 2004) - 2/14/2005, \$28.00
- prEN ISO 6860 REVIEW, Paints and varnishes - Bend test (conical mandrel) (ISO/DIS 6860: 2004) - 2/14/2005, \$28.00
- prEN ISO 8062-3, Geometrical Product Specifications (GPS) - Dimensional and geometrical tolerances for moulded parts - Part 3: General dimensional and geometrical tolerances and machining allowances for castings (ISO/DIS 8062-3: 2004) - 12/6/2004, \$28.00
- prEN ISO 19432 REVIEW, Building construction machinery and equipment - Portable, hand-held, internal combustion engine driven cut-off machines - Safety requirements and testing (ISO/DIS 19432: 2004) - 2/14/2005, \$28.00
- prEN ISO 21549-7, Health informatics - Patient healthcard data - Part 7: Electronic prescription (medication data) (ISO/DIS 21549-7: 2004) - 2/14/2005, \$28.00
- prEN ISO 22088-1, Plastics - Determination of resistance to environmental stress cracking (ESC) - Part 1: General guidance (ISO/DIS 22088-1: 2004) - 2/14/2005, \$28.00
- prEN ISO 22088-2 REVIEW, Plastics - Determination of resistance to environmental stress cracking (ESC) - Part 2: Constant tensile stress method (ISO/DIS 22088-2: 2004) - 2/14/2005, \$28.00
- prEN ISO 22088-3 REVIEW, Plastics - Determination of resistance to environmental stress cracking (ESC) - Part 3: Bent strip method (ISO/DIS 22088-3: 2004) - 2/14/2005, \$28.00
- prEN ISO 22088-4 REVIEW, Plastics - Determination of resistance to environmental stress cracking (ESC) - Part 4: Pin impression method (ISO/DIS 22088-4: 2004) - 2/14/2005, \$28.00

# 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) 642-4946.

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

### Eugene Water & Electric Board

Organization: Eugene Water and Electric Board  
500 East 4<sup>th</sup> Avenue  
PO Box 10148  
Eugene, OR 97440  
Contact: Mark Ellister  
PHONE: 541-984-4726  
FAX: 541-484-3762  
E-mail: [mark.ellister@eweb.eugene.or.us](mailto:mark.ellister@eweb.eugene.or.us)

Public review: November 3, 2004 to February 1, 2005

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](mailto:ncsci@nist.gov).

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

# Information Concerning

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## ANSI Accredited Standards Developers

### Approval of Accreditation

#### GREENGUARD Environmental Institute (GEI)

The Executive Standards Council has approved the GREENGUARD Environmental Institute (GEI) as an ANSI-Accredited Standards Developer (ASD), using its own operating procedures for documenting consensus on proposed American National Standards, effective October 20, 2004. For additional information, please contact: Mr. John C. Adams, P.E., Managing Director, GREENGUARD Environmental Institute, 1341 Capital Circle, Atlanta, GA 30067; PHONE: (800) 427-9681; FAX: (770) 980-0072; E-mail: jadams@greenguard.org.

## ANSI Accreditation Program for Third Party Product Certification Agencies

### Notices of Accreditation

#### American Society of Sanitary Engineering

American Society of Sanitary Engineering, located in Westlake, OH, has been granted ANSI accreditation of its certification program in the following product area:

- Components of Plumbing and Sanitary Engineering

#### Federated Certification Company, LLC

Federated Certification Company, LLC has been granted ANSI accreditation of its certification program in the following product area:

- Unlicensed Radio Frequency Devices

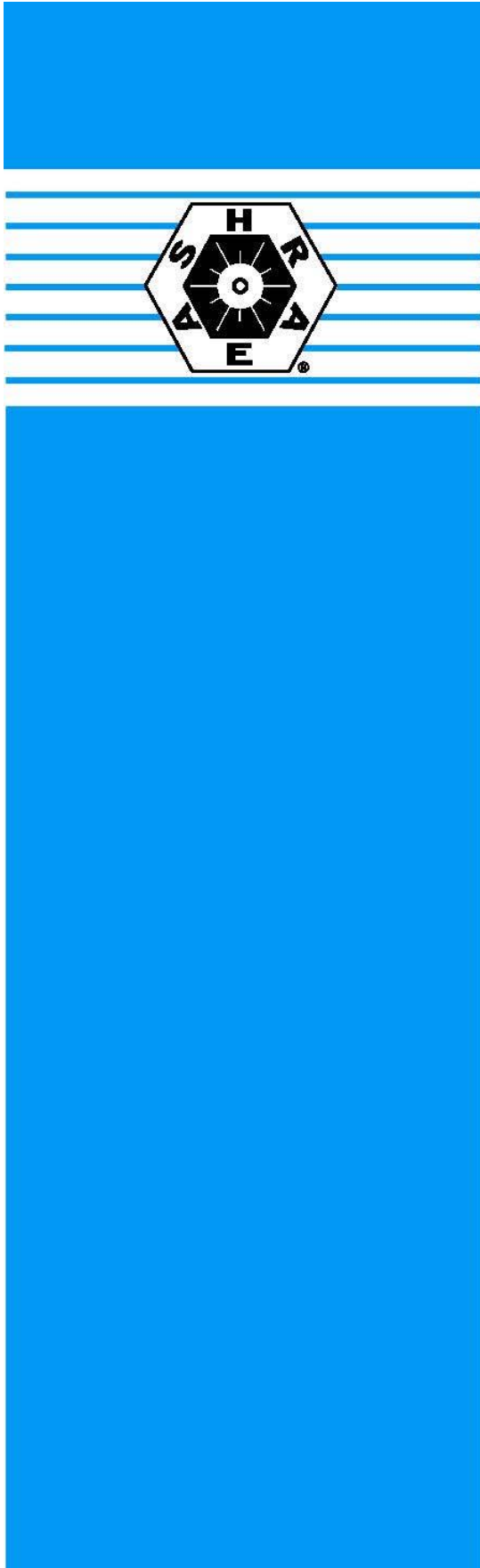
## Meeting Notice

### ARI Appendix C to Standard 700 Meeting

The Air-Conditioning & Refrigeration Institute will be hosting an ARI Appendix C to Standard 700 meeting at ARI offices on November 4, 2004 from 9 am - 3 pm.

For inquiries, please contact: Sunil Nanjundaram, Certification Engineer, Air-Conditioning & Refrigeration Institute, 4100 N. Fairfax Drive, Suite 200, Arlington, Virginia 22203; PHONE: (703) 524-8836, Ext. 329; FAX: (703) 524-9011; E-mail: snanjundaram@ari.org; Web:

<http://www.ari.org>.



BSR/ASHRAE Addendum k  
to ANSI/ASHRAE Standard 34-2004

# Public Review Draft

ASHRAE® Standard

## Proposed Addendum k to Standard 34-2004, *Designation and Safety Classification of Refrigerants*

Second Public Review (October 2004)  
(Draft Shows Proposed Changes to  
Previous Public Review Draft)

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

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

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

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

BSR/ASHRAE Addendum *k* to ANSI/ASHRAE Standard 34-2004, *Designation and Safety Classification of Refrigerants*. Second Public Review Draft (ISC to First Public Review Draft)

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

## FOREWORD

*This addendum had its first public review in December of 2003 as Addendum *k* to Standard 34-2001. This first public review draft added a designation of R-601a for 2-methylbutane (isopentane) and a safety classification of A3. This second public review draft adds a designation of R-601 for pentane.*

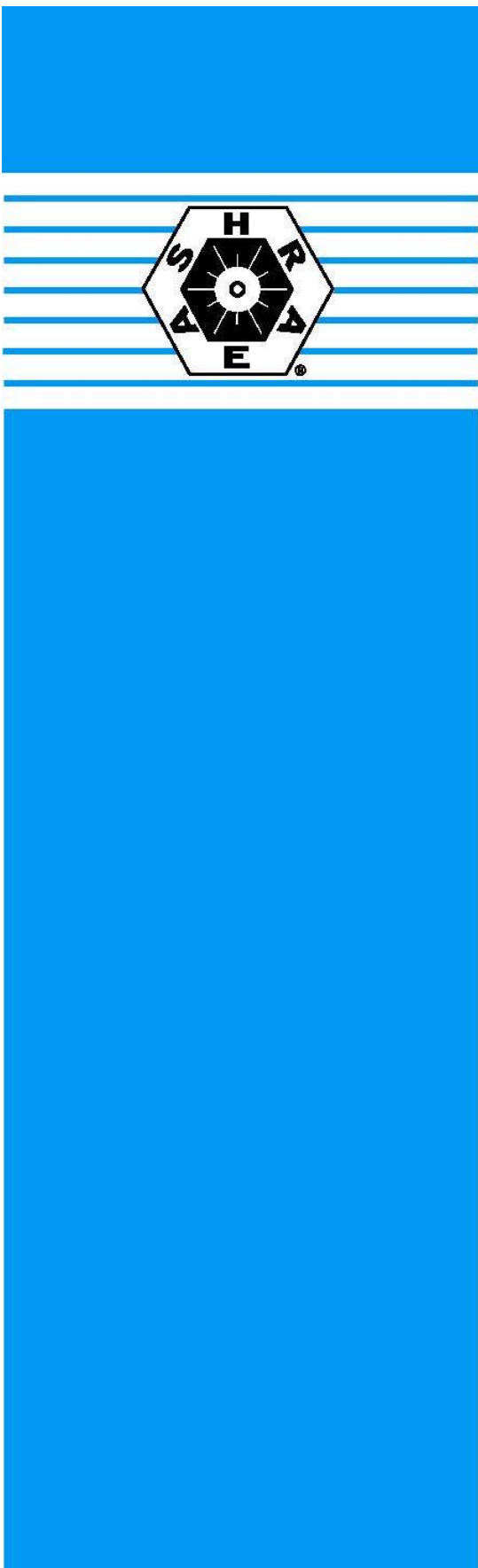
*Note to Reviewers: In this addendum, changes to the previous public review draft are indicated in the text by underlining (for additions) and strikethrough (for deletions) unless the instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.*

## PROPOSED ADDENDUM *k* to ANSI/ASHRAE STANDARD 34-2004

**Add to Table 1 the following entries for R- 601 (the entries for R-601a were added during the first public review and are revised as shown by this second public review draft):**

TABLE 1  
Refrigerant Data and Safety Classifications

Refrigerant Number	Chemical Name <sup>a,b</sup>	Chemical Formula <sup>a</sup>	Molecular Mass <sup>a</sup>	Normal Boiling Point <sup>a</sup>		Safety Group
				(°C)	(F°)	
601	pentane	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub>	72.15	36.1	96.9	---
601a	<u>2-methylbutane</u> (isopentane)	(CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> CH <sub>3</sub>	72.15	<del>28.0</del>	<del>82.0</del>	A3
				<u>27.8</u>	<u>82.1</u>	



BSR/ASHRAE Addendum q  
to ANSI/ASHRAE Standard 34-2004

## Public Review Draft

ASHRAE® Standard

### Proposed Addendum q to Standard 34-2004, *Designation and Safety Classification of Refrigerants*

First Public Review (October 2004)  
(Draft Shows Proposed Changes to  
Current Standard)

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AMERICAN SOCIETY OF HEATING, REFRIGERATING  
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BSR/ASHRAE Addendum *q* to ANSI/ASHRAE Standard 34-2004, *Designation and Safety Classification of Refrigerants*. First Public Review Draft

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## FOREWORD

*This proposed addendum adds a designation of R-422A to the blend R-125/134a/600a (85.1/11.5/3.4) with tolerances of ( $\pm 1.0/\pm 1.0/+0.1, -0.4$ ) and a safety classification of A1.*

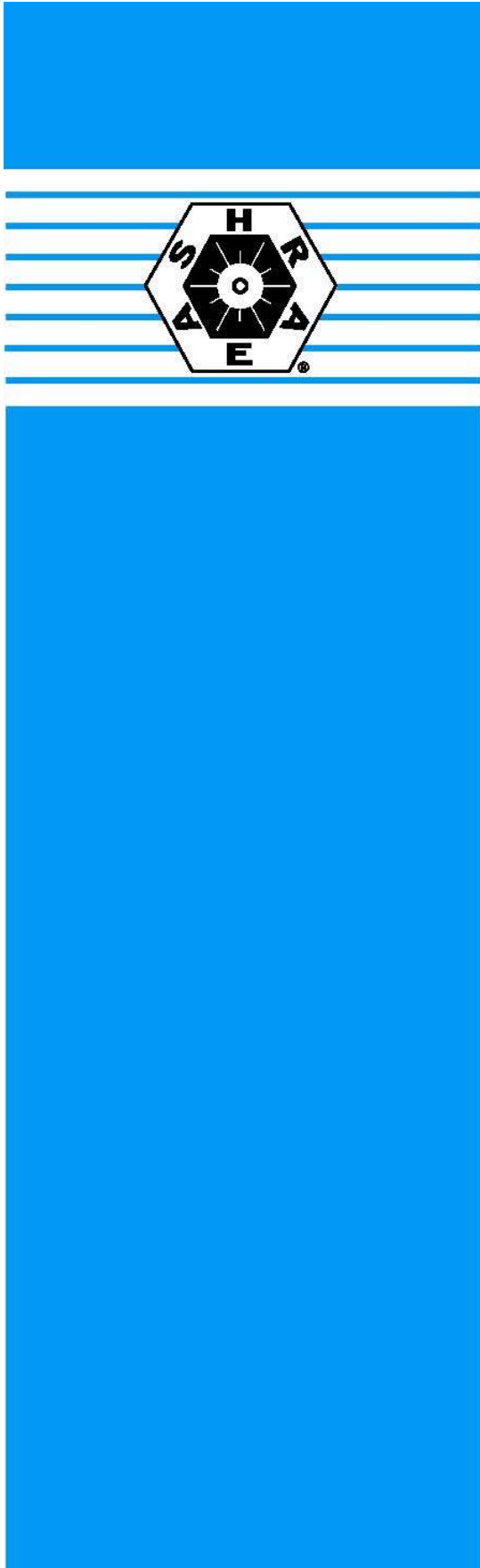
*Note to Reviewers: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and strikethrough (for deletions) unless the instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.*

## PROPOSED ADDENDUM *q* to ANSI/ASHRAE STANDARD 34-2004

Add to Table 2 the following entries for R-422A:

TABLE 2  
Data and Safety Classifications for Refrigerant Blends

Refrigerant Number	Composition (Mass %)	Composition Tolerances	Azeotropic Temperature (°C) (°F)	Molecular Mass <sup>a</sup>	Normal Boiling Point <sup>a</sup> (°C) (F°)	Safety Group
422A	<u>R-125/134a/600a</u>	<u>(85.1/11.5/3.4)</u>				<u>A1</u>



BSR/ASHRAE Addendum r  
to ANSI/ASHRAE Standard 34-2004

# Public Review Draft

ASHRAE® Standard

## Proposed Addendum r to Standard 34-2004, *Designation and Safety Classification of Refrigerants*

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BSR/ASHRAE Addendum *r* to ANSI/ASHRAE Standard 34-2004, *Designation and Safety Classification of Refrigerants*. First Public Review Draft

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## FOREWORD

*This proposed addendum adds a designation of R-421B to the blend R-125/134a (85.0/15.0) with tolerances of ( $\pm 1.0/\pm 1.0$ ) and a safety classification of A1.*

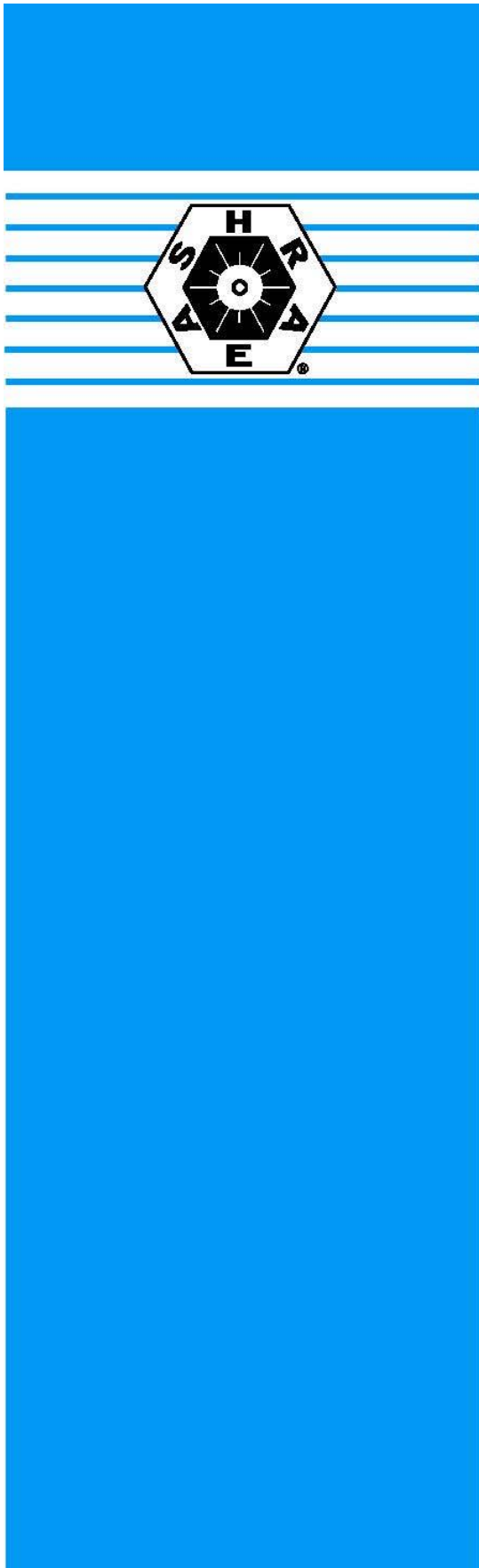
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## PROPOSED ADDENDUM *r* to ANSI/ASHRAE STANDARD 34-2004

**Add to Table 2 the following entries for R-421B:**

TABLE 2  
Data and Safety Classifications for Refrigerant Blends

Refrigerant Number	Composition (Mass %)	Composition Tolerances	Azeotropic		Normal		Safety Group
			Temperature (°C) (°F)	Molecular Mass <sup>a</sup>	Boiling Point <sup>a</sup> (°C) (°F)		
421B	<u>R-125/134a (85.0/15.0)</u>	<u>(<math>\pm 1.0/\pm 1.0</math>)</u>					<u>A1</u>



BSR/ASHRAE Addendum s  
to ANSI/ASHRAE Standard 34-2004

# Public Review Draft

ASHRAE® Standard

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## FOREWORD

*Addendum s adds a designation for R-227ea for 1,1,1,2,3,3,3-heptafluoropropane and a safety classification of A1.*

*Note to Reviewers: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and strikethrough (for deletions) unless the instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.*

## PROPOSED ADDENDUM s to ANSI/ASHRAE STANDARD 34-2004

**Add to Table 1 the following entries for R-227ea:**

TABLE 1  
Refrigerant Data and Safety Classifications

Refrigerant Number	Chemical Name <sup>a,b</sup>	Chemical Formula <sup>a</sup>	Molecular Mass <sup>a</sup>	Normal Boiling Point <sup>a</sup>		Safety Group
				(°C)	(F°)	
R-227ea	1,1,1,2,3,3,3-heptafluoropropane	CF <sub>3</sub> CHF <sub>2</sub> CF <sub>3</sub>	170.03	-15.6	3.9	A1

### **Substantive changes to HMMA 863-04**

**1.05 A.** Two 3 ft. x 7 ft. (914 mm x 2134 mm) doors shall be constructed in accordance with Section 2.01, each with 100 square inch (645.2 cm<sup>2</sup>) ~~vision panel, 4 in. x 25 in. (102 mm x 635 mm)~~ clear opening positioned generally as shown in ASTM F 1450. ~~Figure 1. Two accompanying frames shall be constructed in accordance with Section 2.03. One door and frame assembly shall be equipped with hardware in accordance with ASTM F 1450, Paragraph 6.1.1.3. The other assembly shall be equipped with hardware in accordance with ASTM F 1450, Paragraph 6.1.1.4. Test doors ....~~

**1.05** ~~The following are example applications for grade number openings that can be used as a guide to assign grade numbers to detention hollow metal doors and frames. These are possible examples only and are not intended to be all-inclusive. These and other applications are subject to the evaluation of the Architect and/or Owner. They must determine and specify which grade number assembly is most appropriate for each opening on the project, taking into consideration the type and custody level requirements. For additional assistance in evaluating grade numbers, refer to ASTM F 1450, Table 1, Footnote B.~~

~~Grade #1~~

~~Grade #2~~

~~Grade #3~~

~~Grade #4~~

~~Note: Although four grades of detention hollow metal are available, the use of all four grades on a single project is not always necessary. The use of one or two versus three or four grades and possible locations for commercial hollow metal can be discussed with the detention security hollow metal producer.~~

**1.05 F.1.** Where specified for individual openings, bullet resistance shall be certified by a materials testing laboratory acceptable to the Authority Having Jurisdiction (AHJ), and the doors and frames shall bear the laboratory bullet resistance rating labels the application of a laboratory bullet resistance rating label on the door covering the assembly opening indicating compliance with the testing procedure described in UL Standard 752, and consistent with ASTM F 1450, Section 6, "Specimen Preparation" and Section 7.1, "Bullet Penetration". ~~The bullet resistance rating shall be Level 3.~~

**1.05 G.1.** Fire-labeled Doors, frames, transom frames and side light assemblies ... shall be listed and/or classified, and shall bear the label of a recognized testing agency having a factory inspection service, ratings as determined and scheduled by the Architect. ....

**2.01 A. 4.** For severely corrosive conditions ... Finishes for steel stiffened construction methods and finishes for stainless steel detention doors shall comply with ANSI/NAAMM HMMA 866, required polish not to exceed #4.

**2.03 B.9.a.** ... Where non-templated mortised hardware is to be applied, frames shall be ...

**2.03 B.12.** Grout guards shall ... If pump grout that exhibits slump values of higher than 4 in. (102 mm) is used, additional precautions shall be taken in the field by the contractor to seal grout guards to prevent leakage, and to brace frame sections to prevent deformation. (Ref. HMMA-820 TN01-03, "Grouting of Hollow Metal Frames")

**2.04 A..** ~~Doors —Doors are undersized to fit the frame. Edge clearances are based upon individual door manufacturer's designs. Tolerance on actual door sizes are as follows:~~

d. Bow/flatness +/- 1/16 in. (1.5 mm) ~~1/8 in. (3.2 mm)~~ in 7 ft. (2134 mm)

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**PROPOSED REQUIREMENTS FOR THE SEVENTH EDITION OF THE STANDARD FOR FIRE  
TESTS OF WINDOW ASSEMBLIES, UL 9**

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

**5. Heat flux**

**PROPOSALS**

**5.1A Heat flux**

5.1A.1 The ~~intensity of the~~ radiative heat flux transmitted through the test assembly is to be measured when requested by the test sponsor. The flux measurements are to be recorded at least once every minute.

5.1A.2 The radiative heat flux is to be measured by an instrument capable of measuring ~~both radiant and convective~~ heat flow having a range of 0 to 50 kW/m<sup>2</sup> with an accuracy of  $\pm 5\%$  of the maximum range. The response time of the instrument is to be such that the instrument is capable of recording 64% of the maximum range within 10 seconds. The view angle of the instrument is to be  $180 \pm 5^\circ$ .

5.1A.3 The radiative heat flux is to be measured in a plane parallel, and at a distance of  $39 \pm 3/8$  inches ( $1.0 \pm 0.01$  m) from the unexposed surface of the test assembly.

**PROPOSED ADDITION TO STANDARD FOR SAFETY FOR  
COMMUNICATION CABLES, UL 444**

Add the following subsection:

1.4 In Canada, Type CMUC and cross-connect communication cables are not recognized by the Canadian Electrical Code, Part I.