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## American National Standards

### Call for comment on proposals listed

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

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

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

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

★ Standard for consumer products

## Comment Deadline: October 15, 2006

### IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

#### New Standards

- ★ BSR N42.42-200x, Data Format Standard for Radiation Detectors used for Homeland Security (new standard)

This standard specifies the data format that shall be used for both required and optional data available at the output of radiation instruments for homeland security applications. The performance requirements for these types of instruments are described in other standards; such as, ANSI/IEEE N42.32, ANSI/IEEE N42.33, ANSI/IEEE N42.34, ANSI/IEEE N42.35, and ANSI/IEEE N42.38.

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

Send comments (with copy to BSR) to: William Ash, IEEE;  
w.ash@ieee.org

### UL (Underwriters Laboratories, Inc.)

#### Revisions

BSR/UL 2196-200x, Standard for Tests for Fire Resistive Cables (revision of ANSI/UL 2196-2004)

Revisions to the proposed Electrical Conductor Tensile Strength Test as the result of comments received.

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

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

## Comment Deadline: October 30, 2006

### API (American Petroleum Institute)

#### New National Adoptions

BSR/API 521-200x, Petroleum, Petrochemical, and Natural Gas Industries - Pressure Relieving and Depressuring Systems (identical national adoption)

Applies to pressure-relieving and vapor-depressuring systems. Although intended for use primarily in oil refineries, it is also applicable to petrochemical facilities, gas plants, liquefied natural gas (LNG) facilities and oil and gas production facilities. The information provided is designed to aid in the selection of the system that is most appropriate for the risks and circumstances involved in various installations.

Single copy price: \$192.00

Order from: Valeen Young, API; youngv@api.org

Send comments (with copy to BSR) to: Roland Goodman, API;  
goodmanr@api.org

### ASME (American Society of Mechanical Engineers)

#### Supplements

BSR/ASME NQA-1b-200x, Quality Assurance Requirements for Nuclear Facility Applications (supplement to ANSI/ASME NQA-1-2004)

This Standard reflects industry experience and current understanding of the quality assurance requirements necessary to achieve safe, reliable, and efficient utilization of nuclear energy, and management and processing of radioactive materials. The Standard focuses on the achievement of results, emphasizes the role of the individual and line management in the achievement of quality, and fosters the application of these requirements in a manner consistent with the relative importance of the item or activity.

Single copy price: \$40.00

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

Order from: Mayra Santiago, ASME; ANSIBOX@asme.org

Send comments (with copy to BSR) to: Joanna Berger, ASME;  
bergerj@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: Corice Leonard, ASTM ;  
cleonard@astm.org

For all ASTM standards, send comments (with copy to BSR) to:  
Corice Leonard, ASTM ; cleonard@astm.org

#### New Standards

- ★ BSR/ASTM Z0821Z/D7278-200x, Standard Guide for Prediction of Analyzer Sample System Lag Times (new standard)

This guide covers the application of routine calculations to estimate sample system lag time, in seconds, for gas, liquid, and mixed phase systems.

Single copy price: \$40.00

- ★ BSR/ASTM Z2440Z/D7279-200x, Standard Test Method for the Determination of Kinematic Viscosity of Transparent and Opaque Liquids by Automated Houillon Viscometer (new standard)

This test method covers the measurement of the kinematic viscosity of transparent and opaque liquids such as fresh and used lubricating oils using a Houillon viscometer in automated mode.

Single copy price: \$52.00

- ★ BSR/ASTM Z2755Z/D7280-200x, Standard Test Method for Quinoline-Insoluble (QI) Content of Tar and Pitch by Stainless Steel Crucible Filtration (new standard)

This test method covers the determination of the quinoline-insoluble matter (QI) in tar and pitch using stainless steel filter crucible and a filtration membrane.

Single copy price: \$34.00

- ★ BSR/ASTM Z2943Z/E2502-200x, Standard Guide for Medical Transcription Workstations (new standard)

This guide identifies ways to improve the medical transcription workstation, including, but not limited to, the work environment, which encompasses ergonomics and security issues, equipment, references, and tools.

Single copy price: \$34.00

## ATIS (Alliance for Telecommunications Industry Solutions)

### Reaffirmations

BSR T1.517-1995 (R200x), Integrated Services Digital Network (ISDN) - Performance Parameters and Objectives (reaffirmation of ANSI T1.517-1995 (R2001))

Defines a comprehensive basis for assessing the performance of Integrated Services Digital Networks (ISDNs) providing telecommunication service in accordance with the American National Standards and ITU-T Recommendations identified.

Single copy price: \$175.00

Obtain an electronic copy from: gmarsocci@atis.org

Order from: Gina Marsocci, ATIS; gmarsocci@atis.org

Send comments (with copy to BSR) to: Same

BSR T1.802.01-1996 (R200x), North American Adaptation for Domestic-International Interfaces of ETSI 300 174 Digital Component Television Signals - Interface and Coding Specifications (reaffirmation of ANSI T1.802.01-1996)

This standard is the North American adaptation for Domestic-International interfaces of the ETSI ETS 300 174 standard for the coding and transmission of digital component television signal at a bit rate of 45 mbit/s.

Single copy price: \$227.00

Obtain an electronic copy from: gmarsocci@atis.org

Order from: Gina Marsocci, ATIS; gmarsocci@atis.org

Send comments (with copy to BSR) to: Same

BSR T1.801.01-1995 (R200x), Digital Transport of Video Teleconferencing/Video Telephony Signals - Video Test Scenes for Subjective and Objective Performance Assessment (reaffirmation of ANSI T1.801.01-1995 (R2001))

This standard specifies a collection of test scenes that have been used for subjective assessment and may be used in future objective assessment of Video Teleconferencing/Video Telephony (VTC/VT).

Single copy price: \$108.00

Obtain an electronic copy from: gmarsocci@atis.org

Order from: Gina Marsocci, ATIS; gmarsocci@atis.org

Send comments (with copy to BSR) to: Same

BSR T1.801.02-1996 (R200x), Digital Transport of Video Teleconferencing/Video Telephony Signals - Performance Terms, Definitions, and Examples (reaffirmation of ANSI T1.801.02-1996 (R2001))

This standard covers terms and definitions that are applicable to the digital transport of Video Teleconferencing/Video Telephony Signals (VTC/VT).

Single copy price: \$58.00

Obtain an electronic copy from: gmarsocci@atis.org

Order from: Gina Marsocci, ATIS; gmarsocci@atis.org

Send comments (with copy to BSR) to: Same

## IEST (Institute of Environmental Sciences and Technology)

### New National Adoptions

BSR/IEST/ISO 14644-8-200x, Cleanrooms and associated controlled environments - Part 8: Classification of airborne molecular contamination (identical national adoption)

This part of ISO 14644 covers the classification of airborne molecular contamination (AMC) in cleanrooms and associated controlled environments, in terms of airborne concentrations of specific chemical substances (individual, group or category) and provides a protocol to include test methods, analysis and time weighted factors within the specification for classification. (Full scope as presented in Standard includes additional limitations.)

Single copy price: \$ 77.00

Obtain an electronic copy from: croesslein@iest.org

Order from: Corrie Roesslein, IEST; croesslein@iest.org

Send comments (with copy to BSR) to: Corrie Roesslein, IEST; croesslein@iest.org

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

### Revisions

BSR Z136.1-200x, Safe Use of Lasers (revision of ANSI Z136.1-2000)  
This standard provides recommendations for the safe use of lasers and laser systems that operate at wavelengths between 180 nm and 1 mm.

Single copy price: \$30.00

Obtain an electronic copy from: bsams@laserinstitute.org

Order from: Barbara Sams, LIA (ASC Z136); bsams@laserinstitute.org

Send comments (with copy to BSR) to: Same

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

### Reaffirmations

BSR C78.381-1961 (R200x), Glow Lamps - Method of Designation (reaffirmation of ANSI C78.381-1961 (R2002))

This standard details the method of designation for glow lamps.

Single copy price: \$120.00

Obtain an electronic copy from: Mat\_clark@nema.org

Order from: Randolph Roy, NEMA (ASC C78); ran\_roy@nema.org; mat\_clark@nema.org

Send comments (with copy to BSR) to: Same

BSR C78.385-1961 (R200x), Glow Lamps - Method of Measurement (reaffirmation of ANSI C78.385-1961 (R2002))

This standard details the method of measurement for glow lamps.

Single copy price: \$120.00

Obtain an electronic copy from: Mat\_clark@nema.org

Order from: Randolph Roy, NEMA (ASC C78); ran\_roy@nema.org; mat\_clark@nema.org

Send comments (with copy to BSR) to: Same

## **NEMA (ASC C84) (National Electrical Manufacturers Association)**

### **Revisions**

BSR C84.1-200x, Electric Power Systems and Equipment - Voltage Ratings (60 Hertz) (revision of ANSI C84.1-1995 (R2005))

Establishes nominal voltage ratings and operating tolerances for 60-hertz electric power systems above 100 volts. It also makes recommendations to other standardizing groups with respect to voltage ratings for equipment used on power systems and for utilization devices connected to such systems. This standard includes preferred voltage ratings up to and including 1200 kV maximum system voltage, as defined in the standard.

Single copy price: \$45.00

Obtain an electronic copy from: Vin\_baclawski@nema.org

Order from: Vince Baclawski, NEMA; vin\_baclawski@nema.org

Send comments (with copy to BSR) to: Same

## **TIA (Telecommunications Industry Association)**

### **New Standards**

BSR/TIA 604-5-D-200x, FOCIS 5, Fiber Optic Connector Intermateability Standard, Type MPO (new standard)

FOCIS 5 presents the intermateability standard for connectors with the commercial designation of MPO, and is used as an addendum to TIA/EIA 604, Fiber Optic Connector Intermateability Standards. The provisions of TIA/EIA 604 apply to this document.

Single copy price: \$64.00

Obtain an electronic copy from: global@ihs.com

Order from: Global Engineering Documents; <http://www.global.ihs.com>

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

### **Revisions**

BSR/TIA 810-B-200x, Telecommunications - Telephone Terminal Equipment - Transmission Requirements for Narrowband Digital Telephones (revision of ANSI/TIA 810-A-2000)

Makes the following changes:

- (1) Clause 4.6: Reference Volume Control Setting. Added "unless the manufacturer specifies a different reference volume control setting that also complies with the mandatory low leak RLR requirement in 6.2.3" to help clarify that a manufacturer may specify a setting other than the quietest setting;
- (2) Clause 4.8: Standard Test Position. Replaced ERP and 6N with "a force of 10N", based on the most recent information available; and
- (3) Clause 5: General Technical Requirements. Added a new item, "All Type 3.3 ear simulator measurements shall be transformed from the drum reference point (DRP) to the ear reference point (ERP)."

Single copy price: \$39.00

Obtain an electronic copy from: global@ihs.com

Order from: Global Engineering Documents; <http://www.global.ihs.com>

Send comments (with copy to BSR) to: Ronda Coulter, TIA; rcoulter@tiaonline.org

## **Supplements**

BSR/TIA 222-G-1-200x, Structural Standards for Steel Antenna Towers and Antenna Supporting Structures - Addendum 1 (supplement to ANSI/TIA 222-G-2005)

The objective of this Standard is to provide recognized literature for antenna-supporting structures and antennas pertaining to: (a) minimum load requirements as derived from ASCE 7-02, Minimum Design Loads for Buildings and Other Structures; and (b) design criteria as derived from AISC-LRFD-99, Load and Resistance Factor Design Specification for Structural Steel Buildings, and ACI 318-02, Building Code Requirements for Structural Concrete.

Single copy price: \$74.00

Obtain an electronic copy from: global@ihs.com

Order from: Global Engineering Documents; <http://www.global.ihs.com>

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

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

### **New National Adoptions**

BSR/UL 61010-031-200x, Electrical Equipment for Measurement, Control and Laboratory Use - Part 031: Safety requirements for hand-held probe assemblies for electrical measurement and test (national adoption with modifications)

Provides the proposed first edition of the Standard for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 031: Safety requirements for hand-held probe assemblies for electrical measurement and test, UL 61010-031.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

### **Revisions**

BSR/UL 859-200x, Household Electric Personal Grooming Appliances (Proposals dated 9/15/06) (revision of ANSI/UL 859-2005)

Provides the proposed revision to Section 11.3, Cord-connected appliances, to require a minimum cord size of 18 AWG except for light-weight, hand-held, attended, intermittent duty, low wattage/current products.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Randi Myers, UL-CA; randi.k.myers@us.ul.com

- ★ BSR/UL 1123-200x, Standard for Safety for Marine Buoyant Devices (Bulletin dated August 9, 2005) (revision of ANSI/UL 1123-2005a)

This 9/15/06 proposal bulletin includes revisions to:

- add children's placard requirements;
- delete some of the shifting and bunching of foam construction requirements;
- revise the adjustment of closure requirements in the post-donning ease-of-adjustment test; and
- revise the sample size and sample clamping requirements in the secondary closure attachment-strength test.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

BSR/UL 1180-200x, Standard for Safety for Fully Inflatable Recreational Personal Flotation Devices (revision of ANSI/UL 1180-2005a)

This 9/15/06 proposal bulletin includes revisions to:

- add a definition of white water paddling; and
- revise and clarify secondary closure strength test requirements.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

BSR/UL 1191-200x, Standard for Safety for Components of Personal Flotation Devices (revision of ANSI/UL 1191-2005a)

This 9/15/06 proposal bulletin includes revisions to:

- revise the buoyancy retention factors conditioning requirements for stacking foam; and
- revise the weathering requirements.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

## Comment Deadline: November 14, 2006

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

### AAMI (Association for the Advancement of Medical Instrumentation)

#### New National Adoptions

BSR/AAMI/ISO 10993-13, ed. 2-200x, Biological evaluation of medical devices - Part 13: Identification and quantification of degradation products from polymeric medical devices (identical national adoption and revision of ANSI/AAMI/ISO 10993-13-1999 (R2004))

Provides guidance on general requirements for the design of tests for identifying and quantifying degradation products from finished polymeric medical devices ready for clinical use.

Single copy price: \$20.00/25.00 print (AAMI member/list), \$0/25.00 PDF (AAMI member/list)

Obtain an electronic copy from: <http://marketplace.aami.org>

Order from: Customer Service, AAMI, 1-877-249-8226

Send comments (with copy to BSR) to: Sonia Balboni, AAMI;  
sbalboni@aami.org

### Revisions

BSR/AAMI/ISO 14155-200x, Clinical Investigation of Medical Devices for Human Subjects (revision, redesignation and consolidation of ANSI/AAMI/ISO 14155-1-2003 and ANSI/AAMI/ISO 14155-2-2003)

Addresses the technical aspects of clinical investigations carried out in human subjects to establish the performance and safety of medical devices for regulatory purposes by defining procedures for their design, conduct, recording and reporting.

Single copy price: \$20.00/25.00 print (AAMI member/list), \$0/25.00 PDF (AAMI member/list)

Obtain an electronic copy from: <http://marketplace.aami.org>

Order from: Customer Service, AAMI, 1-877-249-8226

Send comments (with copy to BSR) to: Sonia Balboni, AAMI;  
sbalboni@aami.org

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

#### Revisions

BSR Z21.11.2-200x, American National Standard for Gas-Fired Room Heaters, Volume II, Unvented Room Heaters (revision of ANSI Z21.11.2-2002)

Details test and examination criteria for unvented heaters for use with natural, manufactured and mixed gases, liquefied petroleum gases, and LP gas-air mixtures. Such heaters are limited to Maximum input ratings of 40,000 Btu per hour.

Single copy price: \$175.00

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

Send comments (with copy to BSR) to: Same

BSR Z21.41b-200x, American National Standard/CSA Standard for Quick Disconnect Devices for Use with Gas Fuel Appliances (same as CSA 6.9b) (revision of ANSI Z21.41-2003)

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

Single copy price: \$35.00

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

Send comments (with copy to BSR) to: Same

BSR Z21.50-200x, American National Standard/CSA Standard for Vented Gas Fireplaces (same as CSA 2.22) (revision of ANSI Z21.50-2003/CSA 2.22-2003; ANSI Z21.50a-2003/CSA 2.22a-2003; and ANSI Z21.50b-2005/CSA 2.22b-2005)

Details test and examination criteria for vented gas fireplace for use with natural and propane gases. The only function of a vented gas fireplace lies in the aesthetic effect of the flame; the appliance is not a source of heat.

Single copy price: \$175.00

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

Send comments (with copy to BSR) to: Same

- ★ BSR Z21.58-200x, American National Standard/CSA Standard for Outdoor Cooking Gas Appliances (same as CSA 1.6) (revision of ANSI Z21.58-2005)

Details test and examination criteria for portable or post-mounted outdoor cooking gas appliances having top or surface units or broilers units or combinations thereof, which are:

- (1) for use with natural gas, manufactured gas, mixed gas, liquefied petroleum gases or LP gas-air mixtures on a fixed fuel piping systems; or
- (2) for connection to a self-contained liquefied petroleum gas supply system.

Single copy price: \$444.00

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

Send comments (with copy to BSR) to: Same

BSR Z21.81a-200x, American National Standard/CSA Standard for Cylinder Connection Devices (same as CSA 6.25a) (revision of ANSI Z21.81-2004)

Details test and examination criteria for Type I and Type II cylinder connection devices intended to connect the cylinder valve on portable LP-Gas containers to the inlet of the regulator on outdoor cooking gas appliances. These cylinder connection devices are intended for vapor withdrawal service only.

Single copy price: \$35.00

Order from: Allen Callahan, CSA; al.callahan@csa-america.org

Send comments (with copy to BSR) to: Same

BSR Z21.86b-200x, Second Addenda to American National Standard/CSA Standard for Vented Gas-Fired Space Heating Appliances (same as CSA 2.32b) (revision of ANSI Z21.86-2004/CSA 2.32-2004 and ANSI Z21.86a-2005/CSA 2.32a-2005)

Details test and examination criteria for vented room heaters, direct vent wall furnaces, vented wall furnaces, and gravity and fan type floor furnaces for use with natural, manufactured and mixed gases, liquefied petroleum gases and LP gas-air mixtures.

Single copy price: \$50.00

Order from: Allen Callahan, CSA; al.callahan@csa-america.org

Send comments (with copy to BSR) to: Same

- ★ BSR Z21.88a-200x, First Addenda to American National Standard/CSA Standard for Vented Gas Fireplace Heaters (same as CSA 2.33a) (revision of ANSI Z21.88-2005)

Test and examination criteria for vented gas fireplace heaters for use with natural and liquefied petroleum (propane) gases, which allows the view of flames and provides the simulation of a solid fuel fireplace and furnishes warm air to the space in which it is installed with or without duct connections. A vented gas-fired fireplace heater is designed to comply with minimum thermal efficiency requirements and may be controlled by an automatic thermostat.

Single copy price: \$50.00

Order from: Allen Callahan, CSA; al.callahan@csa-america.org

Send comments (with copy to BSR) to: Same

BSR Z21.89-200x, American National Standard/CSA Standard for Outdoor Cooking Specialty Gas Appliances (same as CSA 1.18) (revision of ANSI Z21.89-2004)

Details test and examination criteria for portable outdoor specialty gas appliances (fryer/boiler, smoker, tabletop grill or any combination). Appliances may be connected to a fixed fuel piping system or self-contained liquefied petroleum gas or propane gas supply system of a single cylinder with a maximum size of 20 pounds (9.1 kg) of fuel.

Single copy price: \$440.00

Order from: Allen Callahan, CSA; al.callahan@csa-america.org

Send comments (with copy to BSR) to: Same

- ★ BSR Z21.91-200x, American National Standard for Ventless Firebox Enclosures for Gas-Fired Unvented Decorative Room Heaters (revision of ANSI Z21.91-2001 (R2005), ANSI Z21.91a-2002 (R2005) and ANSI Z21.91b-2004 (R2005))

Details test and examination criteria for ventless firebox enclosures for unvented decorative room heaters. Fireboxes covered by this standard are intended for use with unvented decorative room heaters that comply with ANSI Z21.11.2 for installation in solid fuel-burning fireplaces.

Single copy price: \$175.00

Order from: Allen Callahan, CSA; al.callahan@csa-america.org

Send comments (with copy to BSR) to: Same

## Reaffirmations

BSR Z21.90-2001 (R200x), Gas Convenience Outlets and Optional Enclosures (same as CSA 6.24) (reaffirmation of ANSI Z21.90-2001)

Details test and examination criteria for gas convenience outlets and optional enclosures, capable of operation at ambient temperatures between 32 F and 200 F (0 C and 93.3 C) if intended for Indoor Use Only, or between -20 F and 200 F (-28.8 C and 93.3 C), if intended for Indoor/Outdoor Use, and at pressures not in excess of 5 psig (34.5 kPa).

Single copy price: \$324.00

Order from: Allen Callahan, CSA; al.callahan@csa-america.org

Send comments (with copy to BSR) to: Same

## UL (Underwriters Laboratories, Inc.)

### Revisions

BSR/UL 467-200x, Standard for Grounding and Bonding Equipment (revision of ANSI/UL 467-2004)

The proposed trinational standard harmonizes UL, CSA and ANCE requirements for grounding and bonding equipment.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Marcia Kawate, UL-CA, Marcia.M.Kawate@us.ul.com

## Projects Withdrawn from Consideration

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

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

BSR S2.XX (S2/WG 95)-199x, Electrical Techniques for the Purposes of Condition Monitoring and Diagnostics of Machines (new standard)

BSR S2.XX (S2/WG 94)-199x, Life Usage Monitoring (new standard)

BSR S2.XX (S2/WG 93)-199x, Condition Monitoring and Diagnostics of Power Transformers (new standard)

BSR S2.XX (S2/WG 92)-199x, Training and Acceleration in the Field of Condition Monitoring and Diagnostics of Machines (new standard)

### ASA (ASC S3) (Acoustical Society of America)

BSR S3.49-200x, Human Response to Repetitive Mechanical Shock (new standard)

### TIA (Telecommunications Industry Association)

BSR/TIA 568-C.3-200x, Optical Fiber Cabling and Components Standard (revision and redesignation of ANSI/TIA 568-B-3-2000)

## Correction

### Correction to Scope - BSR/NAAMM HMMA 861-200x

In the public review announcement in Standards Action on 9/8/2006 for BSR/NAAMM HMMA 861-200x, Guide Specifications for Commercial Hollow Metal Doors and Frames, the first item on the list of substantive changes - 2.01.B.2 - was listed in error. This change will not be made. Please direct inquiries to: Edward Estes, NAAMM; estesassos@cox.net.

# 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:

### AAMI

Association for the Advancement  
of Medical Instrumentation  
(AAMI)  
1110 N Glebe Road  
Suite 220  
Arlington, VA 22201  
Phone: (703) 525-4890 x251  
Fax: (703) 276-0793  
Web: [www.aami.org](http://www.aami.org)

### ANSI

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

### API

American Petroleum Institute  
1220 L Street, NW  
Washington, DC 20005-4070  
Phone: (202) 682-8571  
Fax: (202) 962-4797

### 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)

### ATIS

Alliance for Telecommunications  
Industry Solutions  
1200 G Street NW, Suite 500  
Washington, DC 20005  
Phone: (202) 434-8841  
Fax: (202) 347-7125  
Web: [www.atis.org](http://www.atis.org)

### comm2000

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

### CSA

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

### Global Engineering Documents

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

### IEST

Institute of Environmental Sciences  
and Technology  
5005 Newport Drive Suite 506  
Rolling Meadows, IL 60008-3841  
Phone: (847) 255-1561  
Fax: (847) 255-1669  
Web: [www.iest.org](http://www.iest.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  
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### NEMA

National Electrical Manufacturers  
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### NEMA (ASC C78)

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Web: [www.nema.org](http://www.nema.org)

## Send comments to:

### AAMI

Association for the Advancement  
of Medical Instrumentation  
(AAMI)  
1110 N Glebe Road  
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Arlington, VA 22201  
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### IEEE

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Fax: (732) 562-1571  
Web: www.ieee.org

### IENT

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Fax: (407) 380-5588  
Web: www.laserinstitute.org

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### TIA

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Fax: 703 907-7728  
Web: www.tiaonline.org

### UL-CA

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455 E Trimble Road  
San Jose, CA 95131-1230  
Phone: (408) 754-6500  
Fax: (408) 689-6500

### UL-IL

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Northbrook, IL 60062-2096  
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### UL-NC

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Research Triangle Park, NC  
27709-3995  
Phone: (919) 549-1400 x11896  
Fax: (919) 547-6180



# 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.

## AISI (American Iron and Steel Institute)

### Revisions

ANSI/AISI COFS/PM-2006, Standard for Cold-Formed Steel Framing - Prescriptive Method for One and Two Family Dwellings, 2001 Edition with Supplement 2 (revision of ANSI/AISI COFS/PM-2001): 9/7/2006

## APSP (Association of Pool and Spa Professionals)

### New Standards

- ★ ANSI/APSP 7-2006, Suction Entrapment Avoidance in Swimming Pools, Wading Pools, Spas, Hot Tubs, and Catch Basins (new standard): 9/11/2006

## ASME (American Society of Mechanical Engineers)

### Reaffirmations

ANSI/ASME MFC-2M-1983 (R2006), Measurement Uncertainty for Fluid Flow in Closed Conduits (reaffirmation of ANSI/ASME MFC-2M-1983 (R1998)): 9/8/2006

ANSI/ASME MFC-7M-1987 (R2006), Measurement of Gas Flow by Means of Critical Flow Venturi Nozzles (reaffirmation of ANSI/ASME MFC-7M-1987 (R2001)): 9/8/2006

ANSI/ASME MFC-8M-2001 (R2006), Fluid Flow in Closed Conduits - Connections for Pressure Signal Transmission between Primary and Secondary Devices (reaffirmation of ANSI/ASME MFC-8M-2001): 9/8/2006

ANSI/ASME MFC-9M-1998 (R2006), Measurement of Liquid Flow in Closed Conduits by Weighting Method (reaffirmation of ANSI/ASME MFC-9M-1998 (R2001)): 9/8/2006

ANSI/ASME MFC-10M-2000 (R2006), Method for Establishing Installation Effects on Flowmeters (reaffirmation of ANSI/ASME MFC-10M-2000): 9/8/2006

ANSI/ASME MFC-16M-1995 (R2006), Measurement of Fluid Flow in Closed Conduits by Means of Electromagnetic Flowmeters (reaffirmation of ANSI/ASME MFC-16M-1995 (R2001)): 9/8/2006

### Revisions

ANSI/ASME B1.7-2006, Nomenclature, Definitions, and Letter Symbols for Screw Threads (revision of ANSI/ASME B1.7M-1984 (R2001)): 9/11/2006

ANSI/ASME B20.1-2006, Safety Standard for Conveyors and Related Equipment (revision of ANSI/ASME B20.1-2003): 9/7/2006

## ASSE (ASC A10) (American Society of Safety Engineers)

### Revisions

ANSI/ASSE A10.6-2006, Safety and Health Program Requirements for Demolition Operations (revision and redesignation of ANSI A10.6-1990 (R1998)): 9/11/2006

## ATIS (Alliance for Telecommunications Industry Solutions)

### Reaffirmations

ANSI T1.107-2002 (R2006), Digital Hierarchy - Formats Specifications (reaffirmation of ANSI T1.107-2002): 9/8/2006

ANSI T1.403.03-2002 (R2006), Network and Customer Installation Interfaces - DS1 Physical Layer Interface and Mapping Specifications for ATM Applications (reaffirmation of ANSI T1.403.03-2002): 9/8/2006

ANSI T1.404-2002 (R2006), Network and Customer Installation Interfaces - DS3 Metallic Interface Specification (reaffirmation of ANSI T1.404-2002): 9/8/2006

ANSI T1.404.01-2002 (R2006), Network and Customer Installation Interfaces - DS3 Physical Layer Interface and Mapping Specifications for ATM Applications (reaffirmation of ANSI T1.404.01-2002): 9/8/2006

ANSI T1.405-2002 (R2006), Network-to-Customer Installation Interfaces - Direct Inward Dialing Analog Voicegrade Switched Access Using Loop Reverse-Battery Signaling (reaffirmation of ANSI T1.405-2002): 9/11/2006

ANSI T1.407-2002 (R2006), Network-to-Customer Installation Interfaces - Analog Voicegrade Special Access Lines Using Customer-Installation-Provided Loop-Start Supervision (reaffirmation of ANSI T1.407-2002): 9/11/2006

ANSI T1.409-2002 (R2006), Network-to-Customer Installation Interfaces - Analog Voicegrade Special Access Lines Using E&M Signaling (reaffirmation of ANSI T1.409-2002): 9/8/2006

ANSI T1.411-1995 (R2006), Network-to-Customer Installation Interfaces - analog Voicegrade Enhanced 911 Switched Access using Network-Provided Reverse-Battery Signaling (reaffirmation of ANSI T1.411-1995): 9/8/2006

ANSI T1.418-2002 (R2006), High bit rate Digital Subscriber Line - 2nd Generation (HDSL2/HDSL4) Issue 2 (reaffirmation of ANSI T1.418-2002): 9/8/2006

ANSI T1.421-2001 (R2006), In-Line Filter for Use with Voiceband Terminal Equipment Operating on the Same Wire Pair with High Frequency (up to 12 MHz) Devices (reaffirmation of ANSI T1.421-2001): 9/8/2006

ANSI T1.422-2001 (R2006), Single-Pair High-Speed Digital Subscriber Line (SHDSL) (reaffirmation of ANSI T1.422-2001): 9/8/2006

ANSI T1.423-2001 (R2006), Asymmetric Digital Subscriber Line (ADSL) Transceivers Based on ITU-T Recommendation G.992.1 (reaffirmation of ANSI T1.423-2001): 9/8/2006

### Withdrawals

ANSI T1.419-2000, Splitterless Asymmetric Digital Subscriber (ADSL) Transceivers (withdrawal of ANSI T1.419-2000): 9/8/2006

## AWS (American Welding Society)

### Reaffirmations

ANSI/AWS A5.15-1990 (R2006), Specification for Welding Electrodes and Rods for Cast Iron (reaffirmation of ANSI/AWS A5.15-90 (R1997)): 9/11/2006

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

### Revisions

- ★ ANSI Z21.5.2a-2006, Gas Clothes Dryers, Volume II, Type 2 Clothes Dryers (revision of ANSI Z21.5.2-2005): 9/13/2006

## EIA (Electronic Industries Alliance)

### Revisions

- ★ ANSI/EIA 364-36B-2006, Determination of Gas-Tight Characteristics Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-36A-1995): 9/7/2006

## IEEE (Institute of Electrical and Electronics Engineers)

### New Standards

- ANSI/IEEE 270-2006, Standard Definitions for Selected Quantities, Units, and Related Terms, with Special Attention to the International System of Units (SI) (new standard): 9/6/2006
- ANSI/IEEE 1074-2006, Standard for Developing a Software Project Life Cycle Process (new standard): 9/11/2006
- ANSI/IEEE 1184-2006, Guide for Batteries for Uninterruptible Power Supply Systems (new standard): 9/11/2006

### Reaffirmations

- ANSI/IEEE 638-1992 (R2006), Standard for Qualification of Class 1E Transformers for Nuclear Power Generating Stations (reaffirmation of ANSI/IEEE 638-1992 (R1999)): 9/5/2006
- ANSI/IEEE 1379-2000 (R2006), Recommended Practice for Data Communications Between Remote Terminal Units and Intelligent Electronic Devices in a Substation (reaffirmation of ANSI/IEEE 1379-2000): 9/11/2006
- ANSI/IEEE C57.12.70-2000 (R2006), Standard Terminal Markings and Connections for Distribution and Power Transformers (reaffirmation of ANSI/IEEE C57.12.70-2000): 9/6/2006
- ANSI/IEEE C62.36-2000 (R2006), Standard Test Methods for Surge Protectors Used in Low-Voltage Data, Communications, and Signaling Circuits (reaffirmation of ANSI/IEEE C62.36-2000): 9/5/2006

### Revisions

- ANSI/IEEE 1015-2006, Recommended Practice for Applying Low-Voltage Circuit Breakers Used in Industrial and Commercial Power Systems (revision of ANSI/IEEE 1015-1997): 9/5/2006

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

### New Standards

- ANSI INCITS 409.4-2006, Information Technology - Biometric Performance Testing and Reporting - Part 4: Operational Testing Methodologies (new standard): 9/8/2006

### Reaffirmations

- ANSI INCITS 124.1-1985 (R2006), Information technology - FORTRAN Binding of Graphical Kernel System (GKS) (reaffirmation of ANSI INCITS 124.1-1985 (R2001)): 9/7/2006
- ANSI INCITS 162-1988/TC1-1995 (R2006), Information Systems - Two-Sided, High Density, Unformatted, 5.25 in, 96-tpi, Flexible Disk Cartridge for 13 262 BPR Use - General, Physical and Magnetic Requirements - Technical Corrigendum 1 (reaffirmation of ANSI INCITS 162-1988 (R1999)/TC-1-1995): 9/6/2006
- ANSI INCITS 248-1996 (R2006), Information technology - Abstract Test Suite for FDDI Physical Layer Protocol Conformance Testing (FDDI PHY ATS) (reaffirmation of ANSI INCITS 248-1996 (R2001)): 9/13/2006

- ANSI INCITS 280-1996 (R2006), Information Technology - Data Compression Algorithm Adaptive Lossless Data Compression (ALDC), Algorithm for Information Interchange (reaffirmation of ANSI INCITS 280-1996 (R2001)): 9/13/2006

- ANSI INCITS 282-1996 (R2006), Information Technology - Magnetic Tape Cartridge for Information Interchange, 0.50 in (12.65 mm), Serial Serpentine, 128-Track, 62 500 bpi (2460 bpmm), DLT3 Format (reaffirmation of ANSI INCITS 282-1996 (R2001)): 9/7/2006

- ANSI INCITS 344-2001 (R2006), Information Technology - 12.65 mm Wide Magnetic Tape Format for Information Interchange - Helical Scan Recording - Recorded Instrumentation Format (reaffirmation of ANSI INCITS 344-2001): 9/7/2006

- ANSI INCITS 345-2001 (R2006), Information Technology - Magnetic Tape Cartridge for Information Interchange, 0.5 in (12.65 mm) Serial Serpentine, 208-Track, 98 250 (3868 BPMM), DLT 6 Format (reaffirmation of ANSI INCITS 345-2001): 9/13/2006

- INCITS/ISO/IEC 9293-1994 (R2006), Diskette Labels and File Structure for Information Interchange (reaffirmation of INCITS/ISO/IEC 9293-1994 (R2001)): 9/13/2006

- INCITS/ISO/IEC 9593-1-1990/AM1-1995 (R2006), Information technology - Fortran Binding of PHIGS - Amendment 1 (reaffirmation of INCITS/ISO/IEC 9593-1-1990/AM1-1995 (R2001)): 9/7/2006

- INCITS/ISO/IEC 11571-1994 (R2006), Information technology - Telecommunications and Information Exchange Between Systems - Private Integrated Services Networks - Addressing (reaffirmation of ANSI/ISO/IEC 11571-1994): 9/7/2006

- INCITS/ISO/IEC 11579-1-1994/TC1-1996 (R2006), Information technology - Telecommunications and Information Exchange between Systems - Private Services Network - Part 1: Reference Configuration for PISN Exchanges (PINX) Technical Corrigendum 1 (reaffirmation of INCITS/ISO/IEC 11579-1-1994-TC1-1996): 9/13/2006

- INCITS/ISO/IEC 11581-6-1999 (R2006), Information technology - User system interfaces and symbol - Icon symbols and functions - Part 6: Action Icons (reaffirmation of INCITS/ISO/IEC 11581-6-1999): 9/13/2006

- INCITS/ISO/IEC 12087-3-1995/AM1-1996 (R2006), Information Technology - Computer Graphics and Image Processing - Image Processing and Interchange (IPI) - Functional Specification - Part 3: Image Interchange Facility (IIF): Amendment 1: Type Definition, Scoping and Logical Views for Image Interchange Facility (reaffirmation of INCITS/ISO/IEC 12087-3-1995/AM1-1996 (R2001)): 9/7/2006

- INCITS/ISO/IEC 12088-4-1995 (R2006), Information technology - Computer graphics and image processing - IPI - Application program interface language bindings - Part 4: C (reaffirmation of INCITS/ISO/IEC 12088-4-1995 (R2001)): 9/7/2006

- INCITS/ISO/IEC 17462-2000 (R2006), Information technology - 3,81 mm Wide Magnetic Tape Cartridge for Information Interchange - Helical scan recording - DDS-4 Format (reaffirmation of INCITS/ISO/IEC 17462-2000): 9/7/2006

- INCITS/ISO/IEC 18809-2000 (R2006), Information technology - 8 mm wide magnetic tape cartridge for information interchange - Helical scan recording - AIT-1 with MIC Format (reaffirmation of INCITS/ISO/IEC 18809-2000): 9/13/2006

- INCITS/ISO/IEC 18810-2001 (R2006), Information technology - 8 mm wide magnetic tape cartridge for information interchange - Helical scan recording - AIT-2 with MIC Format (reaffirmation of INCITS/ISO/IEC 18810-2001): 9/7/2006

- INCITS/ISO/IEC 18836-2001 (R2006), Information technology - 8 mm wide magnetic tape cartridge for information interchange - Helical scan recording - Mammoth Type-2 Format (reaffirmation of INCITS/ISO/IEC 18836-2001): 9/7/2006

## NECA (National Electrical Contractors Association)

### New Standards

- ANSI/NECA 101-2006, Standard for Installing Steel Conduits (Rigid, IMC, EMT) (new standard): 9/7/2006

## **NEMA (ASC C57) (National Electrical Manufacturers Association)**

### ***New Standards***

ANSI/IEEE C57.12.40-2006, Standard Requirements for Secondary Network Transformers, Subway and Vault Types (Liquid-Immersed) (new standard): 9/5/2006

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

### ***Reaffirmations***

ANSI C78.1450-1983 (R2006), Incandescent Projection Lamps - Method for Life Testing (reaffirmation of ANSI C78.1450-1983 (R2002)): 9/8/2006

## **NSF (NSF International)**

### ***Revisions***

ANSI/NSF 173-2006 (i15), Dietary Supplements (revision of ANSI/NSF 173-2003): 8/28/2006

★ ANSI/NSF 173-2006 (i17), Dietary Supplements (revision of ANSI/NSF 173-2003): 7/28/2006

★ ANSI/NSF 173-2006 (i19), Dietary Supplements (revision of ANSI/NSF 173-2003): 8/28/2006

## **TIA (Telecommunications Industry Association)**

### ***Supplements***

ANSI/TIA J-STD-025-B-1-2006, Addendum: Support for the Mobile Equipment Identifier (MEID) (supplement to ANSI/TIA J-STD-025-B-2004): 9/8/2006

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

### ***Revisions***

ANSI/UL 268-2006, Standard for Safety for Detectors for Fire Alarm Signaling Systems (Proposal dated May 12, 2006) (revision of ANSI/UL 268-2003): 9/8/2006

ANSI/UL 355-2006, Cord Reels (revision of ANSI/UL 355-2005): 9/1/2006

ANSI/UL 796F-2006, Standard for Safety for Flexible Materials Interconnect Constructions (Proposals dated 6/16/06) (revision of ANSI/UL 796F-2005): 9/1/2006

ANSI/UL 823-2006, Standard for Safety for Electric Heaters for Use in Hazardous (Classified) Locations (revision of ANSI/UL 823-1996): 9/6/2006

ANSI/UL 1839-2006, Standard for Safety for Automotive Battery Booster Cables (revision of ANSI/UL 1839-2005): 9/8/2006

★ ANSI/UL 60745-2-6-2006, Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-6: Particular Requirements for Hammers (revision of ANSI/UL 60745-2-6-2004): 9/1/2006

# Project Initiation Notification System (PINS)

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

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

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

## AAMI (Association for the Advancement of Medical Instrumentation)

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**Contact:** *Cliff Bernier*

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BSR/AAMI RD16-200x, Cardiovascular implants and artificial organs - Haemodialysers, haemodiafilters, haemofilters and haemoconcentrators (identical national adoption and revision of ANSI/AAMI RD16-1996 (R2005))

Stakeholders: Manufacturers of hemodialyzers, hemodiafilters, hemofilters and hemoconcentrators.

Project Need: To revise the current standard and harmonize it with the International Standard.

Specifies requirements for hemodialyzers, hemodiafilters, hemofilters and hemoconcentrators for use for humans; includes biological safety, sterility, nonpyrogenicity, mechanical and performance characteristics, and labeling.

BSR/AAMI RD17-200x, Cardiovascular implants and artificial organs - Extracorporeal blood circuit for haemodialysers, haemodiafilters and haemofilters (national adoption with modifications and revision of ANSI/AAMI RD17-2005)

Stakeholders: Manufacturers and users of single-use extracorporeal blood circuits and non-integral transducer protectors.

Project Need: To revise the current standard and harmonize it with the International Standard.

Specifies requirements for the single-use extracorporeal blood circuit and non-integral transducer protectors that are intended for use in hemodialysis, hemodiafiltration, hemofiltration and hemoconcentration; includes biological safety, sterility, nonpyrogenicity, mechanical and physical characteristics, and labeling.

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

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

**Contact:** *Carla VanGilder*

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

BSR/ASAE S365.8-200x, Braking System Test Procedures and Braking Performance Criteria for Agricultural Field Equipment (new standard)

Stakeholders: Manufacturers of towed equipment, tractors and braking components; agricultural producers.

Project Need: Revision needed to existing ASABE standard (previously not an ANSI standard) to reflect current and future braking systems and to develop a global brake testing standard.

The purpose of this standard is to establish requirements, minimum performance criteria, and performance test procedures for braking systems on agricultural field equipment.

## ASTM (ASTM International)

**Office:** 100 Barr Harbor Drive  
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**Contact:** *Corice Leonard*

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BSR/ASTM Z3116Z E2522-200x, Guide for Quality Indicators for Health (new standard)

Stakeholders: Healthcare Informatics Industry.

Project Need: It is intended to complement and utilize those notions already identified by other national and international standards bodies. This standard explicitly refers only to classifications.

This international standard is intended to document to principal ideas, which are necessary and sufficient to assign value to a classification. The standard will serve as a guide for governments, funding agencies, terminology developers, terminology intergration organizations, and the purchasers and users of classification systems toward improved terminological development and recognition of value in a classification.

## ASTM (ASTM International)

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

BSR/ASTM Z1510Z/WK4979-200x, Standard Terminology Relating to Impact Testing for Sports and Sports Surfaces (new standard)

Stakeholders: Sports Equipment and Facilities Industry.

Project Need: The terms defined in this terminology are appropriate for use by sports equipment and surface manufacturers and by practitioners in matters concerning impact evaluations, test methods, and specifications.

This terminology defines impact testing related terms for use in the development of standard test methods and specifications for sports, sports surfaces, sports equipment, and playgrounds. This terminology includes impact testing that pertains to an athlete impacting a surface and equipment protecting an athlete.

BSR/ASTM Z1539Z/ASG F2608-200x, Standard Test Method for Determining the Change in Room Air Particulate Counts as a Result of the Vacuum Cleaning Process (new standard)

Stakeholders: Vacuum Cleaners Industry.

Project Need: This practice is applicable to all residential/commercial uprights, canister, stickvacs, central vacuum systems, and combination cleaners.

This practice provides a laboratory test for the measurement of particulate generated as a direct result of the vacuuming process.

BSR/ASTM Z2539Z/WK8999-200x, Draft Testing Method for Evaluating Edge Cleaning Effectiveness of Vacuum Cleaners (new standard)

Stakeholders: Vacuum Cleaners Industry.

Project Need: This method is applicable to household types of upright, canister, combination, stick and hand-held vacuum cleaners.

This test procedure provides a quantitative laboratory method for determining the edge-cleaning effectiveness of a vacuum cleaner along walls and baseboards found in the typical American home.

BSR/ASTM Z2975Z/ASG E2523-200x, Standard Terminology for Metalworking Fluids and Operations (new standard)

Stakeholders: Occupational Health and Safety Industry.

Project Need: This standard defines primary metalworking operations, fluid types and other terms germane to the practice of metalworking fluid management.

This standard provides a compilation of ASTM and non-ASTM consensus definitions of terms used in the metalworking industry.

BSR/ASTM Z2982Z/WK10677-200x, Oxidation Characteristics of Environmentally Friendly Lubricating Oils (HETG and HEES) Without the Inclusion of a Water Catalyst (Dry TOST Method) (new standard)

Stakeholders: Petroleum Products and Lubricants Industry.

Project Need: This standard is necessary to evaluate oxidation stability of environmentally friendly fluids and will be included in an ASTM environmentally friendly test specification.

This test method covers the evaluation of the oxidation stability of environmentally friendly (HETG and HEES) lubricating oils in the presence of oxygen and copper and iron metals at an elevated temperature. This test method is limited to a maximum testing time of 10 000 h. This test method is used for testing oils, such as hydraulic oils and circulating oils, that are susceptible to hydrolysis in the presence of water.

BSR/ASTM Z3296Z/ASG F2609-200x, Standard Test Method for Litter-Cleaning Effectiveness of Vacuum Cleaners (new standard)

Stakeholders: Vacuum Cleaners Industry.

Project Need: To provide an indication of the effectiveness of the vacuum cleaner in removing litter from carpet.

This test method provides only a laboratory test for determining the relative carpet litter-cleaning effectiveness of household vacuum cleaners when tested under standard conditions.

BSR/ASTM Z3352Z/ASG F2620-200x, Practice for Heat Fusion Joining of Polyethylene Pipe and Fittings (new standard)

Stakeholders: Plastic Piping Systems.

Project Need: The parameters and procedures are applicable only to joining polyethylene pipe and fittings of related polymer chemistry.

This practice describes procedures for making joints with PE pipe and fittings by means of heat fusion joining in, but not limited to, a field environment. Specific instructions for heat fusion joining are also available from pipe and fitting manufacturers.

BSR/ASTM Z3365Z/WK12567-200x, New Standard Practice for the Set-Up and Operation of Fourier Transform Infrared (FT-IR) Spectrometers for Used Oil Condition Monitoring (new standard)

Stakeholders: Petroleum Products and Lubricants Industry.

Project Need: This practice describes to the end user how to collect the FT-IR spectra of used oil samples for used oil condition monitoring.

This practice describes the instrument set-up and operation parameters for using FT-IR spectrometers for used oil condition monitoring for both direct trend analysis and differential trend analysis approaches.

BSR/ASTM Z15072/ASG D7148-200x, Standard Test Method for Determining the Ionic (Resistivity) (ER) of Alkaline Battery Separator Using a Carbon Electrode in an Electrolyte Bath Measuring System (new standard)

Stakeholders: Electrical and Electronic Insulating Materials Industry.

Project Need: This method detects small changes in ohmic resistance between carbon electrodes immersed in an alkaline electrolyte with and without separator material between the carbon electrodes.

This method covers the pretreatment, test conditions, apparatus, and procedure for the measurement of the ionic electrical resistance, commonly referred as ionic resistivity (ER) of an alkaline battery separator immersed in an electrolyte of 40% potassium hydroxide (KOH).

BSR/ASTM Z1048Z F2607-200x, Standard Test Method for Measuring the Hard Surface Floor-Cleaning Ability of Household/Commercial Vacuum Cleaners (new standard)

Stakeholders: Vacuum Cleaners Industry.

Project Need: This test method is applicable to household/commercial types of upright, canister, combination, and stick vacuum cleaners that use a dry primary dirt receptacle and are intended for cleaning hard surface as a primary or secondary function.

This test method provides only a laboratory test for determining the relative hard surface floor-cleaning ability of household/commercial vacuum cleaners when tested under specified test conditions.

### ATIS (Alliance for Telecommunications Industry Solutions)

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

**Contact:** Susan Carioti

**Fax:** (202) 347-7125

**E-mail:** scarioti@atis.org; acoln@atis.org

BSR ATIS 0500006-200x, EISI (Emergency Information Services Interface) ALI Service (new standard)

Stakeholders: Telecom, Information Technology, Public Safety, and Homeland Security.

Project Need: Describes the Emergency Information Services Interface Implemented with Web Services (in support of the next-generation 911/emergency services).

This is the specification for an ALI Service to be used as an Emergency Information Services Interface service. It specifies features, profiles and interfaces to provide access to location (i.e., ALI) information. The Emergency Information Services Interface is part of the evolution toward the ESNet that provides sophisticated and robust services to the next generation PSAP and other authorized Public Safety agencies through the implementation of web services. The Emergency Information Services Interface supports a future direction toward a next generation emergency services network.

BSR ATIS 0500007-200x, Emergency Information Services Interface (EISI) Implemented with Web Services (new standard)

Stakeholders: Telecom, Information Technology, Public Safety, and Homeland Security.

Project Need: Describes the Emergency Information Services Interface Implemented with Web Services (in support of the next-generation 911/emergency services).

Provides standards for an Emergency Information Services Interface (EISI) in the Emergency Services Network (ESNet). It specifies protocols and message sets for use in the ESNet in order to communicate between Entities Consuming Emergency Services (ECES) and Entities Providing Emergency Services (EPES). The Emergency Information Services Interface is the evolution of the Emergency Service Network that provides sophisticated and robust services to the PSAP and other authorized agencies through the use of web services. The Emergency Information Services Interface supports a future direction toward a next generation emergency services network.

**AWWA (American Water Works Association)**

**Office:** 6666 West Quincy Avenue  
Denver, CO 80235

**Contact:** Jim Wailes

**Fax:** (303) 795-7603

**E-mail:** jwailes@awwa.org

**BSR/AWWA B50Z-200x, Dipotassium Phosphate (new standard)**

Stakeholders: Drinking water treatment and supply industry. Water utilities, consulting engineers.

Project Need: To provide the minimum requirements for dipotassium phosphate, including physical, chemical, sampling, testing, packaging, and shipping requirements.

This standard describes the use of dipotassium phosphate for water supply service application. Dipotassium phosphate is the compound having the formula  $K_2HPO_4$ .

**BSR/AWWA B50X-200x, Dipotassium Phosphate (new standard)**

Stakeholders: Drinking water treatment and supply industry. Water utilities, consulting engineers.

Project Need: To provide the minimum requirements for dipotassium phosphate, including physical, chemical, sampling, testing, packaging, and shipping requirements.

This standard describes the use of dipotassium phosphate for water supply service application. Dipotassium phosphate is the compound having the formula  $K_2HPO_4$ .

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

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

**Contact:** Allen Callahan

**Fax:** (216) 642-3463

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

**BSR Z21.58a-200x, American National Standard/CSA Standard for Outdoor Cooking Gas Appliances (same as CSA 1.6a) (revision of ANSI Z21.58a-2005)**

Stakeholders: Manufacturers, Installers, Gas Suppliers and Certifying Agencies.

Project Need: To revise the safety standard.

Details test and examination criteria for portable or post-mounted outdoor cooking gas appliances having top or surface units or broilers units or combinations thereof, which are:

- (1) for use with natural gas, manufactured gas, mixed gas, liquefied petroleum gases or LP gas-air mixtures on a fixed fuel piping systems; or
- (2) for connection to a self-contained liquefied petroleum gas supply system.

**BSR Z21.89a-200x, American National Standard/CSA Standard for Outdoor Cooking Specialty Gas Appliances (same as CSA 1.18a) (revision of BSR Z21.89a-200x)**

Stakeholders: Manufacturers, Installers, Gas Suppliers and Certifying Agencies.

Project Need: To revise the safety standard.

Details test and examination criteria for portable outdoor specialty gas appliances (fryer/boiler, smoker, tabletop grill or any combination). Appliances may be connected to a fixed fuel piping system or self-contained liquefied petroleum gas or propane gas supply system of a single cylinder with a maximum size of 20 pounds (9.1 kg) of fuel.

**HI (Hydraulic Institute)**

**Office:** 9 Sylvan Way, Suite 160  
Parsippany, NJ 07054-3802

**Contact:** Gregory Romanyszyn

**Fax:** (973) 267-9055

**E-mail:** gromanyshyn@pumps.org

**BSR/Hi 7.6-200x, Controlled-Volume Metering Pump Tests (new standard)**

Stakeholders: Pump specifiers, purchasers, users, and CVMP manufacturers.

Project Need: To assist pump purchasers and manufacturers in determining the appropriate test requirements for Controlled Volume Metering Pumps.

This standard is applicable to Controlled Volume Metering Pumps (CVMP) (also known as metering pumps, proportioning pumps, chemical injection/feed pumps, or dosing pumps), which are driven by power from an outside source. The standard applies to the mechanical pump performance test, NPSH test, and the recording of the test results for CVMP.

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

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

**Contact:** Kirsten Newman

**Fax:** 610-363-7133

**E-mail:** knewman@scte.org

**BSR/SCTE 30-200x, Digital Program Insertion Splicing Application Program Interface (revision of ANSI/SCTE 30-2006)**

Stakeholders: Cable Telecommunications Industry.

Project Need: To provide numerous enhancements.

This Application Program Interface (API) creates a standardized method for communication between Servers and Splicers for the insertion of content into any MPEG-2 Output Multiplex in the Splicer. The proposed revision provides numerous enhancements.

**BSR/SCTE 38-4-200x, SCTE-HMS-PS-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-4-2002)**

Stakeholders: Cable Telecommunications Industry.

Project Need: To make changes to the description fields.

This document defines information commonly available from HFC power supplies. The revision proposal is to make changes to the description fields.

**BSR/SCTE 38-6-200x, Hybrid Fiber/Coax Outside Plant Status Monitoring - SCTE-HMS-GEN-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-6-2005)**

Stakeholders: Cable Telecommunications Industry.

Project Need: To make changes to the description fields.

This document provides the branch object identifiers for each of the MIBs within the SCTE HMS Tree. The revision proposal is to make changes to the description fields.

**BSR/SCTE 118-2-200x, Program Specific Ad Insertion-Network/Program Provider to Traffic System Communication (new standard)**

Stakeholders: Cable Telecommunications Industry.

Project Need: To address the need for a standard file format.

This document describes the information that is required to communicate the program and avail structure from a Network to an Affiliate's SCTE 35 compliant Traffic System. The revision proposal is to enhance the document by addressing the need for a standard file format, methods for communicating standard files from programmers to traffic systems, among others.

**TIA (Telecommunications Industry Association)**

**Office:** 2500 Wilson Blvd., Suite 300  
Arlington, VA 22201

**Contact:** Marianna Kramarikova

**Fax:** 703-907-7728

**E-mail:** mkramarikova@tiaonline.org

BSR/TIA 455-12B-200x, FOTP-12, Fluid Immersion Test for Fiber Optic Components (new standard)

Stakeholders: Telecommunications Industry Association.

Project Need: To revise and update of ANSI/EIA/TIA 455-12A.

Provides a revision and an update of EIA/TIA 455-12A.

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

**Office:** 455 E Trimble Road  
San Jose, CA 95131-1230

**Contact:** Linda Phinney

**Fax:** (408) 689-6500

**E-mail:** Linda.L.Phinney@us.ul.com

BSR/UL 1642-200x, Lithium Batteries (new standard)

Stakeholders: Manufacturers of lithium batteries and laptop/notebook computers; consumers.

Project Need: To receive ANSI approval.

Requirements cover primary (nonrechargeable) and secondary (rechargeable) lithium batteries for use as power sources in products. These batteries contain metallic lithium, lithium alloy, or lithium ion, and may consist of a single electrochemical cell or two or more cells connected in series, parallel, or both, that convert chemical energy into electrical energy by chemical reaction. The requirements are intended to reduce the risk of fire or explosion when lithium batteries are used in a product. The proper use of lithium batteries in a particular application is dependent on their use in a complete product complying with the requirements applicable to such a product.

BSR/UL 2054-200x, Household and Commercial Batteries (new standard)

Stakeholders: Manufacturers of lithium batteries and laptop/notebook computers; consumers.

Project Need: To receive ANSI approval.

The requirements cover portable primary (nonrechargeable) and secondary (rechargeable) batteries, other than lithium chemistries, for use as power sources in products. These batteries consist of either a single electrochemical cell or two or more cells connected in series, parallel, or both, that convert chemical energy into electrical energy by chemical reaction. The requirements are intended to reduce the risk of fire or explosion when batteries are used in a product.

# 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, Inc
- ASC B109 (AGA)
- ASHRAE
- ASME
- ASTM
- MHI (ASC MH10)
- NCPDP
- 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

**ISO and IEC Drafts can be made available via ANSI's ESS "on-demand" service. Please e-mail your request for an ISO or IEC Draft to Customer Service at [sales@ansi.org](mailto:sales@ansi.org). The document will be posted to the ESS within 3 working days of the request. When making your request, please provide the date of the Standards Action issue in which the draft document you are requesting appears.**

## ISO Standards

### **EARTH-MOVING MACHINERY (TC 127)**

ISO/DIS 6016, Earth-moving machinery - Methods of measuring the masses of whole machines, their equipment and components - 12/16/2006, \$62.00

### **GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)**

ISO/DIS 6709, Standard representation of geographic point location by coordinates - 12/17/2006, \$93.00

### **PAPER, BOARD AND PULPS (TC 6)**

ISO/DIS 5630-5, Paper and board - Accelerated ageing - Part 5: Exposure to elevated temperature at 100 degrees C - 12/21/2006, \$53.00

ISO/DIS 5630-6, Paper and board - Accelerated ageing - Part 6: Exposure to atmospheric pollution - 12/21/2006, \$53.00

### **SMALL TOOLS (TC 29)**

ISO/DIS 5415, Reduction sleeves with 7/24 external and Morse internal taper and incorporated screw - 12/17/2006, \$33.00

### **TRANSFUSION, INFUSION AND INJECTION EQUIPMENT FOR MEDICAL USE (TC 76)**

ISO/DIS 8362-5, Injection containers and accessories - Part 5: Freeze drying closures for injection vials - 12/17/2006, \$58.00

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

ISO/DIS 15011-3, Health and safety in welding and allied processes - Laboratory method for sampling fume and gases - Part 3: Determination of ozone emission rate - 12/16/2006, \$67.00

61/3143/FDIS, IEC 60335-2-13-A2 Ed 5.0: Household and similar electrical appliances - Safety - Part 13: Particular requirements for deep fat fryers, frying pans and similar appliances, 11/10/2006

62A/550/FDIS, IEC 60601-1-6 Ed.2: Medical electrical equipment - Part 1-6: General requirements for basic safety and essential performance - Collateral standard: Usability, 11/10/2006

25/330/FDIS, IEC 60027-4 Ed.2: Letter symbols to be used in electrical technology - Part 4: Rotating electric machines, 11/03/2006

25/331/FDIS, IEC 60027-6 Ed.1: Letter symbols to be used in electrical technology - Part 6: Control technology, 11/03/2006

34B/1259/FDIS, IEC 60061: Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps - Amendment 38, 11/03/2006

34B/1260/FDIS, IEC 60061: Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 2: Lampholders - Amendment 35, 11/03/2006

34B/1261/FDIS, IEC 60061: Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 3: Gauges - Amendment 37, 11/03/2006

46/194F/FDIS, IEC 62153-4-8: Metallic communication cable test methods - Part 4-8: Electromagnetic Compatibility (EMC) - Capacitive coupling admittance

65D/130/FDIS, IEC 62339-1: Modular component interfaces for surface-mount fluid distribution components - Part 1: Elastomeric seals, 11/03/2006

## IEC Standards

35/1244/FDIS, IEC 60086-1 Ed. 10.0: Primary batteries - Part 1: General, 11/10/2006

35/1245/FDIS, IEC 60086-2 Ed. 11.0: Primary batteries - Part 2: Physical and electrical specifications, 11/10/2006





# 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 6886:2006](#), Animal and vegetable fats and oils - Determination of oxidative stability (accelerated oxidation test), \$66.00

[ISO 21543:2006](#), Milk products - Guidelines for the application of near infrared spectrometry, \$92.00

[ISO 23391:2006](#), Dried rosehips - Specification and test methods, \$54.00

[ISO 23392:2006](#), Fresh and quick-frozen maize and peas - Determination of alcohol-insoluble solids content, \$35.00

[ISO 23393:2006](#), Pomegranate fruit - Specification and test methods, \$54.00

[ISO 23394:2006](#), Dried oleaster - Specification and test methods, \$61.00

## CORROSION OF METALS AND ALLOYS (TC 156)

[ISO 12732:2006](#), Corrosion of metals and alloys - Electrochemical potentiokinetic reactivation measurement using the double loop method (based on Cihals method), \$66.00

## FIRE SAFETY (TC 92)

[ISO 14934-3:2006](#), Fire tests - Calibration and use of heat flux meters - Part 3: Secondary calibration method, \$66.00

## FLOOR COVERINGS (TC 219)

[ISO 24342:2006](#), Resilient floor-covering tiles - Determination of side length, edge straightness and squareness, \$54.00

## FLUID POWER SYSTEMS (TC 131)

[ISO 6301-2:2006](#), Pneumatic fluid power - Compressed-air lubricators - Part 2: Test methods to determine the main characteristics to be included in suppliers literature, \$41.00

## GAS CYLINDERS (TC 58)

[ISO 24431:2006](#), Gas cylinders - Cylinders for compressed and liquefied gases (excluding acetylene) - Inspection at time of filling, \$61.00

## GEARS (TC 60)

[ISO 6336-1:2006](#), Calculation of load capacity of spur and helical gears - Part 1: Basic principles, introduction and general influence factors, \$170.00

[ISO 6336-2:2006](#), Calculation of load capacity of spur and helical gears - Part 2: Calculation of surface durability (pitting), \$107.00

[ISO 6336-3:2006](#), Calculation of load capacity of spur and helical gears - Part 3: Calculation of tooth bending strength, \$117.00

[ISO 23509:2006](#), Bevel and hypoid gear geometry, \$180.00

## MACHINE TOOLS (TC 39)

[ISO 3408-1:2006](#), Ball screws - Part 1: Vocabulary and designation, \$82.00

[ISO 3408-4:2006](#), Ball screws - Part 4: Static axial rigidity, \$77.00

[ISO 3408-5:2006](#), Ball screws - Part 5: Static and dynamic axial load ratings and operational life, \$66.00

## MECHANICAL TESTING OF METALS (TC 164)

[ISO 10113:2006](#), Metallic materials - Sheet and strip - Determination of plastic strain ratio, \$54.00

## OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO 11979-9:2006](#), Ophthalmic implants - Intraocular lenses - Part 9: Multifocal intraocular lenses, \$82.00

## ROAD VEHICLES (TC 22)

[ISO 11486:2006](#), Motorcycles - Methods for setting running resistance on a chassis dynamometer, \$87.00

[ISO 12161:2006](#), Road vehicles - Endurance braking systems of motor vehicles and towed vehicles - Test procedures, \$92.00

[ISO 21308-2:2006](#), Road vehicles - Product data exchange between chassis and bodywork manufacturers (BEP) - Part 2: Dimensional bodywork exchange parameters, \$139.00

## RUBBER AND RUBBER PRODUCTS (TC 45)

[ISO 1307:2006](#), Rubber and plastics hoses - Hose sizes, minimum and maximum inside diameters, and tolerances on cut-to-length hoses, \$35.00

## SHIPS AND MARINE TECHNOLOGY (TC 8)

[ISO 11674:2006](#), Ships and marine technology - Heading control systems, \$66.00

## SOLID MINERAL FUELS (TC 27)

[ISO 18283:2006](#), Hard coal and coke - Manual sampling, \$150.00

## SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

[ISO 22264:2006](#), Telemark ski-boots for adults - Interface with Telemark ski-bindings - Requirements and test methods, \$61.00

## STEEL (TC 17)

[ISO 17577:2006](#), Steel - Ultrasonic testing for steel flat products of thickness equal to or greater than 6 mm, \$61.00

## STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

[ISO 13408-3:2006](#), Aseptic processing of health care products - Part 3: Lyophilization, \$61.00

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

[ISO 22763:2006](#), Equipment for crop protection - Sprayers - Demonstration track for field crop sprayers, \$54.00

## WELDING AND ALLIED PROCESSES (TC 44)

[ISO 17660-1:2006](#), Welding - Welding of reinforcing steel - Part 1: Load-bearing welded joints, \$112.00

ISO 17660-2:2006, Welding - Welding of reinforcing steel - Part 2: Non load-bearing welded joints, \$71.00

## **ZINC AND ZINC ALLOYS (TC 18)**

ISO 301:2006, Zinc alloy ingots intended for castings, \$48.00

## **ISO Technical Specifications**

### **AGRICULTURAL FOOD PRODUCTS (TC 34)**

ISO/TS 17996:2006, Cheese - Determination of rheological properties by uniaxial compression at constant displacement rate, \$77.00

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

ISO/TS 22028-3:2006, Photography and graphic technology - Extended colour encodings for digital image storage, manipulation and interchange - Part 3: Reference input medium metric RGB colour image encoding (RIMM RGB), \$77.00

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

ISO/IEC 9995-1:2006, Information technology - Keyboard layouts for text and office systems - Part 1: General principles governing keyboard layouts, \$66.00

ISO/IEC 9995-5:2006, Information technology - Keyboard layouts for text and office systems - Part 5: Editing section, \$48.00

ISO/IEC 9995-6:2006, Information technology - Keyboard layouts for text and office systems - Part 6: Function section, \$30.00

ISO/IEC 9995-8:2006, Information technology - Keyboard layouts for text and office systems - Part 8: Allocation of letters to the keys of a numeric keypad, \$35.00

ISO/IEC 13250-2:2006, Information technology - Topic Maps - Part 2: Data model, \$87.00

ISO/IEC 13818-2/Cor2:2006, Information technology - Generic coding of moving pictures and associated audio information: Video - Corrigendum, FREE

ISO/IEC 14443-3/Amd1/Cor1:2006, Identification cards - Contactless integrated circuit(s) cards - Proximity cards - Part 3: Initialization and anticollision - Amendment 1 - Corrigendum, FREE

ISO/IEC 14496-1/Cor1:2006, Extended BIFS - Corrigendum, FREE

ISO/IEC 16022:2006, Information technology - Automatic identification and data capture techniques - Data Matrix bar code symbology specification, \$180.00

ISO/IEC 18004:2006, Information technology - Automatic identification and data capture techniques - QR Code 2005 bar code symbology specification, \$170.00

### **OTHER**

ISO/IEC 17021:2006, Conformity assessment - Requirements for bodies providing audit and certification of management systems, \$54.00

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

ISO/IEC TR 18015:2006, Information technology - Programming languages, their environments and system software interfaces - Technical Report on C++ Performance, \$201.00

# 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

Cook

Public Review: July 7 to October 5, 2006

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

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

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

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

# Information Concerning

## American National Standards

### Correction to PINS Notice

#### BSR/AISI COFS/PM

In the September 8, 2006 issue of Standards Action, there was an error in the PINS listing for BSR/AISI COFS/PM-200x, Standard for Cold-Formed Steel Framing - Prescriptive Method for One and Two Family Dwellings, 2007 Edition. The project should have been listed as a revision of ANSI/AISI COFS/PM-2006 which was approved on September 8, 2006.

## ANSI Accredited Standards Developers

### Administrative Reaccreditation

#### Building and Institutional Furniture Manufacturers Association (BIFMA)

The Building and Institutional Furniture Manufacturers Association (BIFMA) has been administratively reaccredited at the direction of the Executive Standards Council, under operating procedures revised to bring the document into compliance with the 2006 version of the ANSI Essential Requirements, effective August 24, 2006. For additional information, please contact: Mr. Richard Driscoll, Manager of Administration, BIFMA International, 2680 Horizon Drive, S.E., Suite 1-A, Grand Rapids, MI 49546; PHONE: (616) 285-3963; FAX: (616) 285-3765; E-mail: [rdriscoll@bifma.org](mailto:rdriscoll@bifma.org).

### Reaccreditation

#### American Gear Manufacturers Association (AGMA)

##### Comment Deadline: October 16, 2006

The American Gear Manufacturers Association (AGMA) has submitted revisions to the operating procedures under which it was originally accredited. As these revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of AGMA's revised operating procedures, or to offer comments, please contact: Mr. William Bradley, Manager, Technical Division, AGMA, 500 Montgomery Street, Suite 350, Alexandria, VA 22314-1560; PHONE: (703) 684-0211; FAX: (703) 684-0242; E-mail: [bill@agma.org](mailto:bill@agma.org). Please submit your comments to AGMA by October 16, 2006. You may view/download a copy of the revisions during the public review period at the following URL:

<http://publicsp.ansi.org:8080/sites/apdl/Documents/Forms/AllItems.aspx?RootFolder=%2fsites%2fapdl%2fDocuments%2fStandards%20Activities%2fPublic%20Review%20and%20Comment%2fAccreditation%20Actions%2fSeptember%2015%20%2d%20October%2016%2c%202006%20Public%20Review%20Period&View=%7b21C60355%2dAB17%2d4CD7%2dA090%2dBABEEC5D7C60%7d>.

Please submit your comments to AGMA by October 16, 2006, with a copy to the Recording Secretary, ExSC in ANSI's New York Office (FAX: (212) 840-2298; E-mail: [jthompson@ANSI.org](mailto:jthompson@ANSI.org)).

## International Organization for Standardization (ISO)

### Call for International (ISO) Secretariat

#### ISO/TC 8 – Ships and marine technology

ANSI has been advised that Japan (JISC) no longer wishes to serve as Secretariat for this Technical Committee.

The scope of ISO/TC 8 as follows:

Standardization of design, construction, structural elements, outfitting parts, equipment, methods and technology, and marine environmental matters, used in shipbuilding and the operation of ships, comprising sea-going ships, vessels for inland navigation, offshore structures, ship-to-shore interface and all other marine structures subject to IMO requirements.

Excluded:

- electrical and electronic equipment on board ships and marine structures (IEC/TC 18 and IEC/TC 80);
- internal combustion engines (ISO/TC 70);
- offshore structures for petroleum and natural gas industries, including procedures for assessment of the site specific application of mobile offshore drilling and accommodation units for the petroleum and natural gas industry (ISO/TC 67/SC 7);
- steel and aluminum structures (ISO/TC 167);
- equipment and construction details of recreational craft and other small craft (not being lifeboats and lifesaving equipment) less than 24 meters in overall length (ISO/TC 188);
- sea bed mining;
- equipment which is not specific for use on board ships and marine structures (e.g., pipes, steel wire ropes, etc.) and falling within the scope of particular ISO technical committees with which a regular mutual liaison must be maintained.

Anyone wishing the United States to assume the role of International Secretariat for this TC, please contact Henrietta Scully via e-mail: [hscully@ansi.org](mailto:hscully@ansi.org); mail: c/o ANSI, 25 West 43rd Street, New York, NY 10036; or fax to (212) 730-1346.

### ISO Technical Management Board (TMB)

#### Three ISO/IEC Draft Guides

##### Comment Deadline: November 3, 2006

ISO has submitted for Member Body vote three ISO/IEC Draft Guides developed under the ISO Technical Management Board (TMB) as follows:

#### 1) ISO/IEC DGuide 77-1 Guide for specification of product properties and classes – Part 1: Fundamental benefits

The scope of which is:

This Guide provides general advice and guidance for the description of products and their properties for the creation of compute- processible product libraries, catalogues and data dictionaries. This description will provide the details of the products and their properties in an unambiguous manner capable of computer communication in a form that is independent from any proprietary application software. The term, product, is taken to include devices, processes, systems, installations, etc. The Guide is intended to assist the objective of enabling the flow of technical information between internal and external business partners in a cost effective and timely manner.

The guidance in Part 1 of the Guide is intended to assist the following groups:

- Convenors and members of ISO Technical Committees;
- Managers and technical experts in manufacturing industry.

The intention of Part 1 of this Guide is to provide an overview of the needs and benefits and the process of creating product libraries, catalogues and data dictionaries.

The following items are within the scope of this part of the Guide:

- Product data in the supply chain;
- Business context of product data management;
- International standard activities;
- Benefits of International standards;
- Procedure for creating data dictionaries;
- Resources required;
- Assessment of savings;
- Sources of information and expertise.

The following items are out of the scope of this Part of the Guide:

- Technical guidance for the creation of product libraries and dictionaries;

NOTE 1: Technical guidance for the creation of product libraries and dictionaries is provided in Part 2 of the Guide.

- Case studies from the experiences of the creation of dictionaries of product information in industrial practice.

NOTE 2: Case studies from the experiences of the creation of product libraries and dictionaries is provided in Part 3 of this Guide.

## **2) ISO/IEC DGuide 77-2 Guide for specification of product properties and classes – Part 2: Technical principles and guidance**

The scope of which is:

This Guide provides general advice and guidance for the description of products and their characteristics by the use of ISO 13584 and IEC 61360 for the creation of computer-processable reference dictionaries. This description will provide the details of the products and their properties in an unambiguous manner capable of computer communication in a form that is independent from any proprietary application software. The term, product, is taken to include devices, processes, systems, installations, etc. The Guide is intended to assist the objective of enabling the flow of technical information between internal and external business partners in a cost-effective and timely manner.

The guidance in Part 2 of this Guide is intended to assist the following groups:

- Technical experts contributing their knowledge to the development of standard reference dictionaries,
- Information experts responsible for the generation of applications of ISO 13584 and IEC 61360.

The intention of Part 2 of the Guide is to support the achievement of industrial benefits of applications of the ISO/IEC model.

The following are within the scope of Part 2 of the Guide:

- General principles of product description and characterization;
- Presentation of the concepts of product characterization classes, product properties, product ontology and reference dictionaries for products;

- Universal identification of classes and properties;- Presentation of the modeling constructs that may be used for building reference dictionary conforming to the ISO/IEC model;
- Rules and principles for developing standard reference dictionaries;
- Rules and principles for connecting standard reference dictionaries to avoid duplication and overlap;
- Rules and principles for developing user-defined reference dictionaries and for connecting user-defined reference dictionaries to standard reference dictionaries;
- Formats and mechanisms for exchanging reference dictionaries.
- Mechanisms for connecting reference dictionaries to classification systems.

The following are out of the scope of Part 2 of the Guide:

- An overview for ISO Technical Committees and industrial managers for the development of computer-processable product libraries, reference dictionaries and catalogues;

NOTE 1: An overview of the development of computer-processable product libraries, reference dictionaries and catalogues is provided in Part 1 of the Guide.

## **3) ISO/IEC DGuide 77-3 Guide for specification of product properties and classes – Part 3: Case studies**

The scope of which is:

This Guide provides general advice and guidance for the description of products and their characteristics by the use of ISO 13584 and IEC 61360 for the creation of computer-processable product libraries, catalogues and reference dictionaries. This description will provide the details of the products and their properties in an unambiguous manner capable of computer communication in a form that is independent from any proprietary application software. The term, product, is taken to include devices, processes, systems, installations, etc. The Guide is intended to assist the objective of enabling the flow of technical information between internal and external business partners in a cost effective and timely manner.

The guidance in Part 3 of the Guide is intended to assist the following groups:

- Convenors and members of ISO Technical Committees;
- Managers and technical experts in manufacturing industry.
- Technical experts contributing their knowledge to the development of reference dictionaries, data bases and product libraries;
- Information experts responsible for the generation of applications of ISO 13584.

The intention of Part 3 of the Guide is provide practical information of the experience gained in the successful creation of product reference dictionaries within ISO and IEC. The following are within the scope of this Part:

- Experience of developing a reference dictionary for cutting tools;
- Experience of developing a reference dictionary for electronic components;
- Experience of creating a system for the maintenance of a reference dictionary for measuring instruments;
- Experience of developing a reference dictionary for fasteners.

The following are out of the scope of this Part:

- An overview for ISO Technical Committees and industrial managers for the development of computer-processible product libraries, reference dictionaries and catalogues;

NOTE 1: An overview of the development of computer-processible product libraries, reference dictionaries and catalogues is provided in Part 1 the Guide.

- Technical guidance for the creation of product libraries and dictionaries.

NOTE 2: Technical guidance for the creation of product libraries and dictionaries is provided in Part 2 of the Guide.

A copy of each of the proposals can be obtained for review by contacting Henrietta Scully via email at [hscully@ansi.org](mailto:hscully@ansi.org). Comments on these Draft Guides should be submitted by Friday, November 3rd, 2006 to Steven Cornish via e-mail: [scornish@ansi.org](mailto:scornish@ansi.org).

## Call for Editorial Comments

### Final Draft Revision of the International Vocabulary of Basic and General Terms in Metrology

#### Comment Deadline: September 22, 2006

ANSI has been advised this final draft revision is available for comment. The scope of which is:

In this Vocabulary, a set of definitions and associated terms is given, in English and French, for a system of basic and general concepts used in metrology, together with concept diagrams to demonstrate their relations. Additional information is given in the form of examples and notes under many definitions.

This Vocabulary is meant to be a common reference for scientists and engineers, including physicists, chemists, medical scientists, as well as for both teachers and practitioners, involved in planning or performing measurements, irrespective of the level of measurement uncertainty and irrespective of the field of application. It is also meant to be a reference for governmental and inter-governmental bodies, trade associations, accreditation bodies, regulators, and professional societies.

Concepts used in different approaches to describe measurement are presented together. The member organizations of the JCGM can select the concepts and definitions in accordance with their respective terminologies. Nevertheless, this Vocabulary is intended to promote global harmonization of terminology used in metrology.

Anyone wishing to obtain a copy of the draft for review please send an email to Henrietta Scully at: [hscully@ansi.org](mailto:hscully@ansi.org). Comments need to be submitted, using the template provided, by September 22nd to Emil Hazarian, Chairman of the Glossary Committee of the National Conference of Standards Laboratories International (NCSLI), at e-mail: [emil.hazarian@navy.mil](mailto:emil.hazarian@navy.mil).

## Fast-Track Processing of Three Standards on Self-Adhesive Tapes

### EN 1939, EN 1943, and EN 14410

#### Comment Deadline: September 22, 2006

AFNOR (France) has submitted to ISO a proposal to explore the possibility of ISO adopting the following three standards developed by CEN/TC 253, Self adhesive tapes:

- EN 1939, Self adhesive tapes – Determination of peel adhesion properties
- EN 1943, Self adhesive tapes – Measurement of static shear adhesion
- EN 14410, Self adhesive tapes – Measurement of breaking strength and elongation at break

It is proposed that the standards be fast-tracked directly under the authority of the ISO Technical Management Board (TMB) since the scopes of these standards are not covered by existing technical committees.

Anyone wishing to receive the complete proposal should contact Henrietta Scully ([hscully@ansi.org](mailto:hscully@ansi.org)). Submission of the recommended US position should be made no later than Friday, September 22, 2006 to Steven Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) ANSI's representative on the TMB.

## U.S. Technical Advisory Groups

### Transfer of TAG Administrator

#### ISO/TC 204

#### Comment Deadline: October 16, 2006

The U.S. Technical Advisory Groups (TAG) to ISO/TC 204 has approved the transfer of TAG Administrator responsibilities from the Intelligent Transportation Standards Association (ITSA) to the Telecommunications Industry Association (TIA). The TAG will continue to use its currently accredited procedures.

Please forward any comments on this action to Mr. David Thompson, Telecommunications Industry Association, 2500 Wilson Boulevard, Suite 300, Arlington, VA 22201; PHONE: (703) 907-7700; FAX: (703) 907-7727; E-mail: [DThompson@TIAonline.org](mailto:DThompson@TIAonline.org) by October 16, 2006 with a copy to the Recording Secretary, ExSC in ANSI's New York Office (E-mail: [jthompson@ansi.org](mailto:jthompson@ansi.org); FAX: (212) 840-2298).

## Meeting Notice

### ISO TC 184 SC4 ECCMA Meeting

The Electronic Commerce Code Management Association (ECCMA) is hosting the 50th meeting of ISO TC184/SC4 in Hershey, Pennsylvania from October 22nd through October 27th 2006 at the Hotel Hershey (see [www.eccma.org](http://www.eccma.org)). ECCMA is also holding its annual conference from October 25th through October 26th at the Hotel Hershey. There is a full agenda for the appointed representatives of ISO covering the application of ISO 10303 (STEP) in building and construction, oil, gas, process and power, as well as in manufacturing, shipbuilding, engineering analysis and furniture. Also, the ISO Member delegates will discuss the new work on ISO 8000. The ECCMA conference is focused on industry implementations of the ECCMA Open Technical Dictionary (eOTD) as an open multilingual metadata registry.

## Changes to ANSI N42.42

In section 4.2.26 the following was added:

- CalibrationSpectrumID (optional): data type *IDREF*, specifies the ID of the <Spectrum> element that is to be used to energy calibrate this spectrum; the ID of the calibration spectrum is specified via the ID attribute of the calibration spectrum's <Spectrum> element.

If CalibrationSpectrumID is not specified, then the calibration spectrum may be associated with the spectrum by being included in the same <Measurement> element; background spectra have a <SourceType> value of "Calibration". This technique shall be used only when there can be no ambiguity in the association of the calibration spectrum with the measurement spectra to which they apply; i.e., it shall not be used when there are spectra from multiple detectors present in the same <Measurement> element.

- SampleNumber (optional): data type *positiveInteger*, is used when the <Spectrum> element is contained in a <SpectrumMeasurement> parent element and indicates which sample this spectrum corresponds to; the first sample is number 1.

In section 4.2.34 the following was added:

- Compression (optional): data type *enumSpectrumCompressionType*, indicates the algorithm, if any, by which the channel data has been compressed. If this attribute is omitted, the data has not been compressed. The types of data compression are:

- None: the data is not compressed. The number of values in the <ChannelData> element is equal to the number of channels of data represented by the element.
- CountedZeroes: the data has been compressed by the removal of repeated zero values. When a "0" value appears in the <ChannelData> contents, the next value is the number of consecutive zero-value channels beginning with the first zero-value in the sequence. For example, the following 18 channels of uncompressed data

22 5 0 2 1 0 0 3 4 0 0 0 0 0 0 0 1

would be represented in compressed form by

22 5 0 1 2 1 0 2 3 4 0 8 1

The italicized values in the list show cases where one, two, and eight zeroes have been compressed.

In section 4.2.35 the following line was added to explain what is expected:

For spectral calibrations, the value of X shall be referenced such that the value of X at the left-most boundary of the first channel in the spectrum is 0.



**In section 4.2.35 some attributes were changed from optional to required:**

- Attributes:
  - ID (optional): data type *ID*, uniquely identifies the instance of this element within the XML file. The value of this attribute is used in the <CalibrationID> element to indicate the calibration element to be used.
  - Type: data type enumeration *enumCalibrationType*, the type of calibration:
    - “Energy”: the relationship between energy to channels;  $\text{Energy} = f(\text{Channel})$
    - “AbsoluteEfficiency”: the relationship between the absolute detection efficiency of the system and energy;  $\text{Absolute Efficiency} = f(\text{Energy})$ . Absolute efficiency is expressed as a ratio.
    - “IntrinsicFullEnergyPeakEfficiency” and “IntrinsicTotalEfficiency”: the relationship between the intrinsic full energy peak or total detection efficiency of the gamma detector and energy;  $\text{Intrinsic Efficiency} = f(\text{Energy})$ . Intrinsic efficiency is expressed as a ratio.
    - “FWHM”: the relationship between detector peak shape (FWHM) and energy;  $\text{FWHM} = f(\text{Energy})$
    - “CountstoDose”: the relationship of observed counts (or count rate) to dose;  $\text{Dose} = f(\text{Counts})$
    - “CountstoAbsorbedDose”: the relationship of observed counts to absorbed dose;  $\text{Absorbed Dose} = f(\text{Counts})$
    - “CountstoExposure”: the relationship of observed counts to exposure;  $\text{Exposure} = f(\text{Counts})$
- 
- The units of the types of calibrations listed above shall be indicated via the appropriate attribute:
- 
- EnergyUnits (required if applicable): data type enumeration *enumEnergyUnits*, the units in which energy is expressed.
- FWHMUnits (required if applicable): data type enumeration *enumFWHMUnits*, the units in which FWHM is expressed.
- CountRateUnits (required if applicable): data type enumeration *enumCountRateUnits*, the units in which count rate is expressed.
- DoseUnits (required if applicable): data type enumeration *enumDoseUnits*, the units in which dose or dose rate is expressed.
- AbsorbedDoseUnits (required if applicable): data type enumeration *enumAbsorbedDoseUnits*, the units in which absorbed dose is expressed.
- ExposureUnits (required if applicable): data type enumeration *enumExposureUnits*, the units in which exposure is expressed

**In section 4.2.45 <SampleLiveTime> was removed from the children list**

**In section 4.2.48 <GrossCountMeasurement> was added as a parent**

**In section 4.2.53 <SampleLiveTime> was added to the children list and for EnergyUnits added (required if either WindowStart or WindowEnd are specified)**

**In section 4.2.68 the following was added**

- Detector (optional): data type *string*, a description of the detector.
- DetectorType (optional): data type enumeration *enumGrossCountDetectorType*, the type of the detector.



**In Annex B a typing mistake was fixed**

**The Schema was changed to reflect the changes listed above**

## Standard for Tests for Fire Resistive Cables, UL 2196

### 18A Electrical Conductor Tensile Strength Test

#### 18A.1 General

18A.1.1 This test is to evaluate the tensile strength of an electrical conductor intended for use in conduit, during fire exposure, to determine the maximum allowable length between supports in vertical runs.

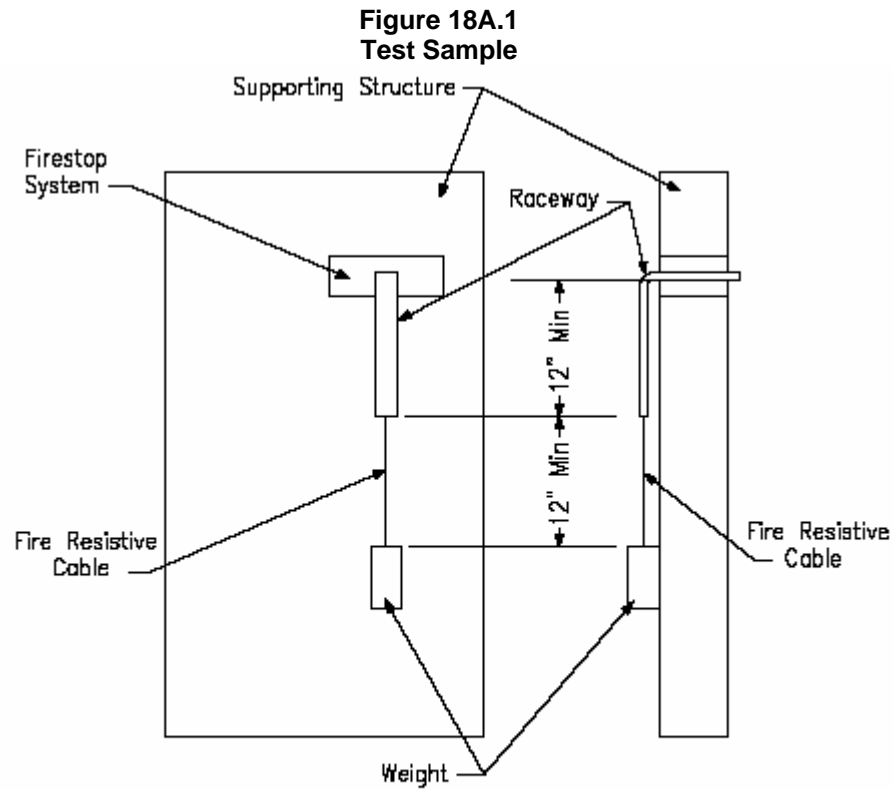
18A.1.2 Spacing of supports for conductors for use in a vertical raceway shall be as specified by the manufacturer, but shall not exceed those specified in Section 300.19 of the National Electrical Code. Section 300.19 of the National Electrical Code specifies spacing of supports for conductors in vertical raceways. A different spacing, and therefore a different unsupported cable length, may be selected for qualification in the test by the test sponsor.

#### 18A.2 Sample

18A.2.1 In a range of cable sizes of a particular design, the cable selected for test shall be that in which the ratio of weight per unit length, divided by total conductor cross section area, is a maximum.

18A.2.2 Each type of conductor alloy shall be tested.

18A.2.3 The test sample shall be as shown in Figure 18A.1. The minimum length of cable in the raceway, in the furnace, and the minimum length of cable exposed directly to the fire condition, shall be 12 inches (305 mm).



1. Weight shall be attached to the electrical conductor.
2. Raceway secured to supporting structure.

55316

18A.2.4 The weight of the steel object secured to the bottom of the electrical conductor(s) shall be the weight of the unsupported cable length being represented (less the length of the cable exposed to the fire).

Note: The weight and connection used to secure weight to the conductor(s) shall be capable of withstanding exposure to anticipated furnace temperatures.

18A.2.5 The sponsor of the test will determine the maximum vertical distance to be allowed between supports, based on the weight used.

### 18A.3 Method

18A.3.1 The test sample shall be subjected to the fire exposure described in either 7.1 or 7.2 for at least the fire endurance rating period.

### 18A.4 Performance

18A.4.1 The conductor(s) shall support the applied weight without any conductors breaking, or dropping of the weight, during the entire fire endurance rating period.