ANSI STANDARDS ACTION

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Contents

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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

ISSN 0038-9633

Comment Deadline: May 16, 2004

ASA (ASC S1) (Acoustical Society of America)

Revisions

★ BSR S1.17/Part 1-200x, Microphone Windscreens - Part 1: Measurements and Specification of Insertion Loss in Still or Slightly Moving Air (revision of ANSI S1.17/Part 1-200x)

This standard specifies a test to be used to determine the insertion loss of windscreens for measuring microphones over a defined frequency range. The insertion loss is determined in conditions that reflect performance in still or slightly moving air.

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

Send comments (with copy to BSR) to: Susan Blaeser, ASA (ASC S1); sblaeser@aip.org

Comment Deadline: May 31, 2004

ASAE (American Society of Agricultural Engineers)

Revisions

BSR/ASAE S392.2-MON04, Cotton Module Builder and Transporter Standard (revision and redesignation of ANSI/ASAE S392.1 DEC01)

Provides uniform equipment-size guidelines for manufacturers that produce cotton module builders and transporters. Standardization will allow harvesting equipment, module builders, transporters, and module covers from various manufacturers to be used compatibly throughout the cotton industry and so avoid problems caused by incompatible equipment dimensions. This Standard also promotes consideration of safety in equipment operation and transport, and in the transporting of seed cotton modules on highways.
Single copy price: $40.00

Order from: Carla Miller, ASAE; cmiller@asae.org
Send comments (with copy to BSR) to: Same

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

Revisions

BSR/ASHRAE 64-200x, Methods of Laboratory Testing Remote Mechanical-Draft Evaporative Refrigerant Condensers (revision of ANSI/ASHRAE 64-1995)

This proposed revision modifies the title, purpose, and scope of the standard to made it clear that the standard is intended to be a laboratory method of test. As now modified, the standard prescribes methods of laboratory testing remote mechanical draft evaporative refrigerant condensers. Following this standard, different laboratories should produce equivalent results on the same equipment.

Single copy price: Free. (Available free of charge from ASHRAE website (www.ashrae.org))

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

BSR/ASHRAE 72-200x, Method of Testing Open and Closed Commercial Refrigerators and Freezers (revision and consolidation of ANSI/ASHRAE 72-1998 and ANSI/ASHRAE 117-2002)

Makes independent substantive changes to the previous draft in order to clarify or modify the testing conditions and reporting of results as suggested by commenters. In addition, informative Appendix A is added to show test results typically needed for various rating programs such as performance certifications. In general, this standard combines Standard 72-1998 for open refrigerators and Standard 117-2002 for closed refrigerators.
Single copy price: Free. (Available free of charge from ASHRAE website (www.ashrae.org))

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

Supplements

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

This proposed addendum adds a new Event Log object type, Global Group object type, and Trend Log Multiple object type; enables a device to provide notification that it has restarted, to periodically send time synchronization messages, and to acknowledge alarms (previously restricted to alarm recipients); supports new character sets; allows MS/TP BACnet Data Expecting Reply frames to be broadcast; revises the Clause 5 state machines to handle slow servers; and adds new Error Codes.

Single copy price: Free. (Available free of charge from ASHRAE website (www.ashrae.org))

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

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

As currently defined, the Life Safety Zone and Life Safety Point object types are not adequate for simulating/testing when Out_Of_Service is TRUE (see rationale for details). The proposed solution: make the Tracking_Value of both object types a required property and writable when Out_Of_Service is TRUE. Instead of the Present_Value, the Tracking_Value is decoupled from input(s) or process when Out_Of_Service is TRUE. The Present_Value shall not be writable in out-of-service operation.
Single copy price: Free. (Available free of charge from ASHRAE website (www.ashrae.org))

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

ASME (American Society of Mechanical Engineers)

Revisions

BSR/ASME A17.2-200x, Guide for Inspection of Elevators, Escalators, and Moving Walks (revision of ANSI/ASME A17.2-2001)

Covers recommended inspection and testing procedures for electric and hydraulic elevators, escalators, and moving walks required to conform to the Safety Code for Elevators and Escalators, A17.1-1955 and later editions and the Safety Code for Existing Elevators and Escalators, A17.3. This Guide also addresses some requirements from editions of A17.1 prior to 1955. Note: This Guide may not reflect the latest requirements in the current A17.1 and A17.3 Codes.
Single copy price: $30.00

Order from: Silvana Rodriguez, ASME; rodriguezs@asme.org
Send comments (with copy to BSR) to: Riad Mohamed, M/S 20S2, ASME; MohamedR@asme.org

ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmations

BSR T1.207-2000 (R200x), OAM&P - Terminating Test Line Access and Capabilities (reaffirmation of ANSI T1.207-2000)

Describes types of terminating test lines and their operational functions, and provides numbering plan arrangements to access these capabilities for testing across interconnections in the public switched network.
Single copy price: $96.00

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

BSR T1.218-1999 (R200x), ISDN Management - Data Link and Network Layers (reaffirmation of ANSI T1.218-1999)

Covers maintenance of the layer 2 (data-link-layer) and layer 3 (network-layer) peer relationships between the exchange termination (ET) and customer equipment. The layer 2 and layer 3 peer relationships considered are signaling data on the D-channel, packet data on the D-channel, and packet data on a B-channel.
Single copy price: $96.00

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

BSR T1.221-1995 (R200x), OAM&P - In-Service, Non-Intrusive Measurement Device (INMD) - Voice Service Measurement (reaffirmation of ANSI T1.221-1995 (R2000))

Provides specifications for transmission measurement devices utilized to measure various parameters of importance to voice service transmission maintenance of telecommunications networks.
Single copy price: $151.00

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

BSR T1.234-2000 (R200x), Signalling System No. 7 (SS7) - MTP Levels 2 and 3 Compatibility Testing (reaffirmation of ANSI T1.234-2000)

Provides the testing requirements for internetwork connections employing Common Channel Signalling (CCS) based on Signalling System No. 7 (SS7) protocol used in North America. This standard provides a list of test scripts for testing the compatibility between the interconnecting networks for Message Transfer Part (MTP), level 2 and level 3, of the SS7 protocol. MTP level 1 tests are not included since they are transmission tests and are not related to the SS7 protocol. This standard references material in T1 SS7 protocol standards.
Single copy price: $227.00

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

BSR T1.235-2000 (R200x), Signalling System 7 (SS7) - SCCP Class O Compatibility Testing (reaffirmation of ANSI T1.235-2000)

Addresses the testing required for internetwork connections employing Common Channel Signalling (CCS) based on Signalling System No. 7 (SS7) protocol used in North America. This standard provides a list of test scripts for testing compatibility between the interconnecting networks of the Signalling Connection Control Part (SCCP) Class O of the SS7 protocol. This standard references material in T1 SS7 protocol standards.

Single copy price: $96.00

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

BSR T1.236-2000 (R200x), Signalling System No. 7 (SS7) - ISDN User Part Compatibility Testing (reaffirmation of ANSI T1.236-2000)

Addresses the testing required for internetwork connections employing Common Channel Signalling (CCS) based on Signalling System No. 7 (SS7) protocol used in North America. The internetwork connection may be either within or between North American countries.
Single copy price: $164.00

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

BSR T1.239-1994 (R200x), ISDN Management - User-Network Interfaces Protocol Profile (reaffirmation of ANSI T1.239-1994 (R2000))

Specifies the application protocol and the use of layer 1-3 protocols at the ISDN user-network interface to provide management capabilities. The protocols defined in this standard are suitable for management interactions involving transaction-type information exchanges.
Single copy price: $96.00

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

BSR T1.241-1994 (R200x), ISDN Service-Profile Verification and Service-Profile Management ISDN Interface Management Services (reaffirmation of ANSI T1.241-1994 (R2000))

Service Profile Verification and Service Profile Management (SPV and SPM) are optional ISDN Interface management services. They are provided by the network to the customer to allow some real-time customer network management capabilities and to allow some management across the user-network interface by the network provider.
Single copy price: $96.00

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

Withdrawals

ANSI T1.212-1995 (R1999), Enhanced Telecommunications Charge Card Physical Characteristics and Numbering Structure (withdrawal of ANSI T1.212-1995 (R1999))

Applies to enhanced telecommunication charge cards issued within North America. The determination of elegibility to issue telecommunication charge cards is beyond the scope of this standard.
Single copy price: $58.00

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

ITI (INCITS)

Supplements

BSR INCITS 361-2002 Erratum 200x, Erratum to INCITS 361:2002, Information Technology - AT Attachment with Packet Interface - 6 (ATA/ATAPI-6) (supplement to ANSI INCITS 361-2002)

Specifies the AT Attachment interface between host systems and storage devices. It provides a common attachment interface for systems manufacturers, system integrators, software suppliers, and suppliers of intelligent storage devices.
Single copy price: $18.00 (Electronic)

Order from: Global Engineering Documents; www.global.ihs.com, (800) 854-7179
Send comments (with copy to BSR) to: Barbara Bennett, ITI (INCITS); bbennett@itic.org

NPES (ASC CGATS) (Association for Suppliers of Printing, Publishing and Converting Technologies)

New National Adoptions

★ BSR CGATS ISO 12646-200x, Graphic technology - Displays for colour proofing - Characteristics and viewing conditions (identical national adoption)

Specifies requirements for uniformity, size, resolution, convergence, refresh rate, luminance levels and viewing conditions for a color display used to simulate a hard-copy proofing system.
Single copy price: $50.00

Order from: Mary Abbott, NPES (ASC CGATS); mabbott@npes.org
Send comments (with copy to BSR) to: Same

UL (Underwriters Laboratories, Inc.)

New National Adoptions

BSR/UL 61965-200x, Standard for Mechanical Safety for Cathode Ray Tubes (identical national adoption and revision of ANSI/UL 61965-2002)

Applicable to cathode ray tubes and cathode ray tube assemblies (CRTs) that are intended for use as components in apparatus and that have integral protection with respect to the effects of implosion. These requirements apply to CRTs intended for use in apparatus including electrical and electronic measuring and testing equipment, ITE, medical equipment, telephone equipment, television equipment and other similar electronic apparatus.
Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000
Send comments (with copy to BSR) to: Patricia Sena, UL-NY; Patricia.A.Sena@us.ul.com

Revisions

BSR/UL 25-200x, Meters for Flammable and Combustible Liquids and LP-Gas (Standard dated 1/24/03) (revision of ANSI/UL 25-1997)

Requirements cover positive displacement liquid meters for flammable and combustible liquids of the type and size commonly used in the assembly of motor fuel dispensing devices, and liquefied petroleum gas (LP-Gas) of the type and size commonly used in the assembly of motor fuel dispensing devices and tank trucks. Flammable and combustible liquid meters covered by this standard are for use in accordance with NFPA 30, and NFPA 30A. LP-Gas meters covered by this standard are for use in nonrefrigerated systems in accordance with the NFPA 58.
Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000
Send comments (with copy to BSR) to: Marcia Kawate, UL-CA, Marcia.M.Kawate@us.ul.com

★ BSR/UL 30-200x, Standard for Metal Safety Cans (revision of ANSI/UL 30-1999)

The following items are subject to comment:
(1) Deletion of the Scope paragraph 1.3;
(2) The updating of the Units of Measurement text entity in Section 2.1;
(3) Updating the references to ASTM Standards;
(4) The 9th Edition of the Standard for Safety for Metal Safety Cans, UL 30.
These requirements cover metal safety cans that have nominal capacities of five gallons (18.9 L) or less and that are primarily intended to store and handle flammable and combustible liquids, such as gasoline, naphtha, kerosene, acetone, MEK, and similar liquids in accordance with the Flammable and Combustible Liquids Code, NFPA 30.
Single copy price: Contact comm2000 for pricing and delivery options

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

BSR/UL 32-200x, Standard for Metal Waste Cans (revision of ANSI/UL 32-1999)

The following items are subject to comment:
(1) The deletion of the scope paragraph 1.2;
(2) The updating of text entities in Sections 2.1 and 2.2;
(3) The updating of references to ASTM Standards;
(4) The revision of Marking Requirements in Section 17;
(5) The 5th Edition of the Standard for Metal Waste Cans, UL 32.
These requirements cover metal waste cans intended to be employed in factories, garages, workshops, and other locations where there is need for a receptacle for temporary storage inside buildings of oily waste, rags, and other similar combustible waste materials.

Single copy price: Contact comm2000 for pricing and delivery options

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

BSR/UL 305-200x, Panic Hardware (Standard dated 1/31/97) (revision of ANSI/UL 305-2001)

Requirements cover releasing devices actuated by an actuating bar (crossbar or push pad) for outward-opening doors, designed to facilitate the egress of persons from buildings in the event of panic or other emergency.
Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000
Send comments (with copy to BSR) to: Marcia Kawate, UL-CA, Marcia.M.Kawate@us.ul.com

BSR/UL 859-200x, Household Electric Personal Grooming Appliances (bulletin dated April 5, 2004) (revision of ANSI/UL 859-2002)

To address and resolve the comments received in response to UL's Subject 859 (1727) bulletin dated January 23, 2004, proposing revisions to the 10th Edition of UL 859.
Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000
Send comments (with copy to BSR) to: Michael Hieb, UL-CA, michael.j.hieb@us.ul.com

Comment Deadline: June 15, 2004

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

ASME (American Society of Mechanical Engineers)

New Standards

BSR/ASME A112.19.16M-200x, Terrazzo Plumbing Fixtures (new standard)

Covers the minimum requirements for terrazzo materials that are used to manufacture terrazzo plumbing fixtures for general use. This standard covers material, structural and physical test requirements and marking and identification of fixtures complying with this standard.
Single copy price: $10.00

Order from: Silvana Rodriguez, ASME; rodriguezs@asme.org; ANSIBox@asme.org; JonesG@asme.org
Send comments (with copy to BSR) to: Calvin Gomez, ASME; gomezc@asme.org

BSR/ASME PTC 6.2-200x, Steam Turbines in Combined Cycles (new standard)

This Code may be used for testing steam turbines in combined cycles with or without supplementary firing and in cogeneration applications. Within these categories of combined and cogeneration cycles, this Code is applicable to condensing and to non-condensing steam turbines, to reheat and to non-reheat steam turbines, and to induction/extraction steam turbines.
Single copy price: $50.00

Order from: Silvana Rodriguez, ASME; rodriguezs@asme.org; LinT@asme.org
Send comments (with copy to BSR) to: Jack Karian, ASME; karianj@asme.org

Revisions

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

Establishes material, dimensions, mechanical, and physical (including marking) requirements for socket-type, seam-welded, stainless steel pipe, fittings, joints, and drains for use in plumbing sanitary and storm, drain, waste and vent (DWV), vacuum, and chemical waste systems. Specific chemical application information should be ascertained from the manufacturer. Stainless steel DWV systems and vacuum systems shall be installed in accordance with state and local code requirements.
Single copy price: $10.00

Order from: Silvana Rodriguez, ASME; rodriguezs@asme.org
Send comments (with copy to BSR) to: Calvin Gomez, ASME; gomezc@asme.org

BSR/ASME Y14.100-200x, Engineering Drawing Practices (revision of ANSI/ASME Y14.100-2000)

Establishes the essential requirements and reference documents applicable to the preparation and revision of engineering drawings and associated lists.
Single copy price: $20.00

Order from: Silvana Rodriguez, ASME; rodriguezs@asme.org; CrimiC@asme.org
Send comments (with copy to BSR) to: Calvin Gomez, ASME; gomezc@asme.org

Reaffirmations

BSR/ASME B89.1.5-1998 (R200x), Measurement of Plain External Diameters for Use as Master Discs or Cylindrical Plug Gages (reaffirmation of ANSI/ASME B89.1.5-1998)

Intended to establish uniform practices for the measurement of master discs or cylindrical plug gages to a given tolerance using vertical or horizontal comparators and laser instruments. The Standard includes requirements for geometric qualities of master discs or cylindrical plugs, the important characteristics of the comparison equipment, environmental conditions and the means to assure that measurements are made with an acceptable level of accuracy.
Single copy price: $35.00

Order from: Silvana Rodriguez, ASME; rodriguezs@asme.org; ANSIBox@asme.org; JonesG@asme.org
Send comments (with copy to BSR) to: Mavic Lo, ASME; lom@asme.org

BSR/ASME B89.7.2-1999 (R200x), Dimensional Measurement Planning (reaffirmation of ANSI/ASME B89.7.2-1999)

Ensures correctness and acceptability of dimensional measurements.
Single copy price: $54.00

Order from: Silvana Rodriguez, ASME; rodriguezs@asme.org; ANSIBox@asme.org; JonesG@asme.org
Send comments (with copy to BSR) to: Mavic Lo, ASME; lom@asme.org

BSR/ASME PTC 42-1988 (R200x), Wind Turbines (reaffirmation of ANSI/ASME PTC 42-1988 (R1998))

Specifies the methods, procedures, and instrumentation for the field testing and reporting of wind-turbine performance. These procedures and practices were specifically compiled for wind turbines of 100 kW or more, but are applicable to all sizes.
Single copy price: $50.00

Order from: Silvana Rodriguez, ASME; rodriguezs@asme.org; ANSIBox@asme.org; JonesG@asme.org
Send comments (with copy to BSR) to: George Osolsobe, ASME; osolsobeg@asme.org

Withdrawals

ANSI/ASME Y14.40.3-2002, Graphical Symbols for Diagrams - Part 3: Connections and Related Devices (withdrawal of ANSI/ASME Y14.40.3-2002)

Specifies graphical symbols for functional connections, mechanical links, pipelines and related devices such as connection joints, ISO ports, terminals, quick-release couplings and connectors, in diagrams.

Single copy price: Free

Order from: Silvana Rodriguez, ASME; rodriguezs@asme.org
Send comments (with copy to BSR) to: Calvin Gomez, ASME; gomezc@asme.org

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

Revisions

BSR/Z83.8b-200x, Gas Unit Heaters and Gas-Fired Duct Furnaces (revision of ANSI Z83.8-2002/CSA 2.6-2002 and Z83.8a-2003/CSA 2.6a-2003)

Details test and examination criteria for gas unit heaters and gas-fired duct furnaces for use with nat, mfd. and mixed gases, LP gases, and LP gas-air mixtures. A unit heater may either be suspended or floor-mounted and may be of the low- or high-static pressure type. Duct furnaces are normally installed in distribution ducts of air conditioning systems to supply warm air for heating and depended for air circulation on a blower not furnished as a part of the furnace.
Single copy price: $35.00

Order from: Allen J. Callahan, CSA (ASC Z21/83); al.callahan@csa-america.org
Send comments (with copy to BSR) to: Same

★ BSR Z21.10.1-200x, Gas Water Heaters, Volume I, Storage Water Heaters With Input Ratings of 75,000 Btu Per Hour or Less (same as CSA 4.1) (revision of ANSI Z21.10.1-2001/CSA 4.1-2001, Z21.10.1a-2002/CSA 4.1a-2002 and Z21.10.1b-2004/CSA 4.1b-2004)

Details test and examination criteria for automatic storage water heaters with input ratings of 75,000 Btu per hour (21 980 W) or less for use with natural, manufactured and mixed gases, liquefied petroleum gases, and LP gas-air mixtures.

Single copy price: $50.00

Order from: Allen J. Callahan, CSA (ASC Z21/83); al.callahan@csa-america.org
Send comments (with copy to BSR) to: Same

BSR Z21.10.3-200x, Gas Water Heaters, Volume III, Storage Water Heaters With Input Ratings Above 75,000 Btu Per Hour, Circulating and Instantaneous (Same as CSA 4.3) (revision, redesignation and consolidation of ANSI Z21.10.3-2001/CSA 4.3-2001, Z21.10.3a-2003/CSA 4.3a-2003 and Z21.10.3b-2004/CSA 4.3b-2004)

Details test and examination criteria for automatic storage, with input ratings of 75,000 Btu per hour (21 980 W), circulating and instantaneous water heaters for use with natural, manufactured and mixed gases, liquefied petroleum gases, and LP gas-air mixtures.
Single copy price: $35.00

Order from: Allen J. Callahan, CSA (ASC Z21/83); al.callahan@csa-america.org
Send comments (with copy to BSR) to: Same

★ BSR Z21.13-200x, Gas-Fired Low Pressure Steam and Hot Water Boilers (same as CSA 4.9) (revision, redesignation and consolidation of ANSI Z21.13-2000, ANSI Z21.13a-2002, ANSI Z21.13b-2003)

Details test and examination criteria for Category I, Category II, Category III and Category IV low-pressure steam and hot water boilers for use with natural, manufactured and mixed gases, liquified petroleum gases and LP gas-air mixtures.
Single copy price: $50.00

Order from: Allen Callahan, CSA; al.callahan@csa-america.org; Steve Kazubski [Steve.Kazubski@csa-america.org]
Send comments (with copy to BSR) to: Same

BSR Z21.56b-200x, Gas-Fired Pool Heaters (same as CSA 4.7b) (revision of ANSI Z21.56-2001/CSA 4.7-2001 and Z21.56a-2004/CSA 4.7a-2004)

Details test and examination criteria for pool heaters for use with natural, manufactured and mixed gases, liquefied petroleum gases, and LP gas-air mixtures. Pool heaters are designed to heat non-potable water stored at atmospheric pressure, such as water in swimming pools, spas, hot tubs and similar applications.
Single copy price: $35.00

Order from: Allen J. Callahan, CSA (ASC Z21/83); al.callahan@csa-america.org
Send comments (with copy to BSR) to: Same

BSR Z83.4a-200x, Non-Recirculating Direct Gas-Fired Industrial Air Heaters (same as CSA 3.7a) (revision of ANSI Z83.4-2003)

Details test and examination of criteria for direct gas-fired industrial air heaters of the non-recirculating type, for use with natural, manufactured and mixed gases; LP gases; and LP gas-air mixtures.
Single copy price: $35.00

Order from: Allen J. Callahan, CSA (ASC Z21/83); al.callahan@csa-america.org
Send comments (with copy to BSR) to: Same

BSR Z83.18-200x, Recirculating Direct Gas-Fired Industrial Air Heaters (revision of ANSI Z83.18-2000, Z83.18a-2001 and Z83.18b-2003)

Details test and examination criteria for direct gas-fired industrial air heaters of the Recirculating type, for use with natural, manufactured and mixed gases, liquefied petroleum gases, and LP gas-air mixtures.
Single copy price: $50.00

Order from: Allen J. Callahan, CSA (ASC Z21/83); al.callahan@csa-america.org
Send comments (with copy to BSR) to: Same

NEMA (ASC C136) (National Electrical Manufacturers Association)

New Standards

BSR C136.14-200x, Roadway and Area Lighting Equipment - Elliptically Shaped, Enclosed Side-mounted Luminaires for Horizontal-burning High-intensity Discharge Lamps (new standard)

Covers dimensional, maintenance, and light distribution features that permit the interchange of enclosed side-mounted luminaires for horizontal-burning high-intensity discharge lamps used in roadway and area lighting equipment.
Single copy price: $25.00

Order from: Ronald Runkles, NEMA (ASC C136); ron_runkles@nema.org
Send comments (with copy to BSR) to: Same

Revisions

BSR C136.6-200x, Roadway and Area Lighting Equipment - Metal Heads and Reflector Assemblies - Mechanical and Optical Interchangeability (revision of ANSI C136.6-1996)

This standard covers dimensional features of luminaires with metal heads that permit mechanical and optical interchangeability of both head and reflector assemblies.

Single copy price: $25.00

Order from: Ronald Runkles, NEMA (ASC C136); ron_runkles@nema.org
Send comments (with copy to BSR) to: Same

BSR C136.12-200x, Roadway and Area Lighting Equipment - Mercury Lamps - Guide for Selection (revision of ANSI C136.12-1995)

This is a guide for the selection of mercury lamps recommended for use in roadway lighting equipment.
Single copy price: $25.00

Order from: Ronald Runkles, NEMA (ASC C136); ron_runkles@nema.org
Send comments (with copy to BSR) to: Same

SJI (Steel Joist Institute)

Revisions

BSR/SJI JG-1.0-200x, Specification for Joist Girders (revision of ANSI/SJI JG-1.0-2001)

Specification covers the design, manufacture, and use of Joist Girders. Load and Resistance Factor Design (LRFD) and Allowable Strength Design (ASD) are included in this specification.

Single copy price: $25.00

Order from: Robert Hackworth, SJI; rhackworth@steeljoist.org
Send comments (with copy to BSR) to: Same

BSR/SJI K-1.0-200x, Specification for Open Web Steel Joists, K-Series (revision of ANSI/SJI K-1.0-2001)

Specification covers the design, manufacture, and use of Open Web Steel Joists. K-Series, Load and Resistance Factor Design (LRFD) and Allowable Strength Design (ASD) are included in this specification.
Single copy price: $25.00

Order from: Robert Hackworth, SJI; rhackworth@steeljoist.org
Send comments (with copy to BSR) to: Same

BSR/SJI LH/DLH-1.0-200x, Specification for Longspan Steel Joists, LH-Series and Deep Longspan Steel Joists, DLH-Series (revision of ANSI/SJI LH/DLH-1.0-2001)

Specification covers the design, manufacture, and use of Longspan Steel Joists and Deep Longspan Steel Joists. Load and Resistance Factor Design (LRFD) and Allowable Strength Design (ASD) are included in this specification.
Single copy price: $25.00

Order from: Robert Hackworth, SJI; rhackworth@steeljoist.org
Send comments (with copy to BSR) to: Same

UL (Underwriters Laboratories, Inc.)

Revisions

BSR/UL 496-200x, Standard for Safety for Lampholders (revision of ANSI/UL 496-2002)

UL proposes a new Twelfth Edition of UL 496, Standard for Lampholders. The proposed requirements have been harmonized with the requirements of Canada and reflect changes based on comments received by UL to the material proposed in a Subject 496 (542) bulletin dated October 9, 1998.
Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000
Send comments (with copy to BSR) to: Dixie Stevens, UL-NC; Dixie.W.Stevens@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:

ASC X9 (Accredited Standards Committee X9, Incorporated)

BSR X9.77-200x, Public Key Infrastructure Protocols (new standard)

BSR X9.88-200x, Long Term Non-Repudiation Using Digital Signatures (new standard)

BSR X9.89-200x, Management Protocols for Short Certificates (new standard)

ITI (INCITS)

BSR INCITS 361-200x (Amendment 1), Amendment to Information technology - AT Attachment with Packet Interface - 6 (ATA/ATAPI-6) (supplement to ANSI INCITS 361-2002)

ANSI Technical Reports

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

Comment Deadline: May 16, 2004

AMT (ASC B11) (Association for Manufacturing Technology)

BSR B11 TR1-200x, Ergonomic Guidelines for the Design, Installation and Use of Machine Tools (NOT AN AMERICAN NATIONAL STANDARD) (technical report)

This document provides ergonomic design guidelines intended to improve quality, performance and safety by reducing fatigue and injury associated with manufacturing systems. It is directed towards technicians, engineers, designers, and safety & health practitioners who deal with general ergonomic issues related to machine tools.
Single copy price: $65.00

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

Call for Comment Contact Information

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

Order from:

AMT (ASC B11)
Association for Manufacturing Technology
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McLean, VA 22102-4206
Phone: (703) 827-5266

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ASAE
American Society of Agricultural Engineers
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Web: www.asae.org

ASHRAE
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ATIS
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Fax: (202) 347-7125
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comm2000
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Web: www.comm-2000.com

CSA (ASC Z21/83)
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Cleveland, OH 44131-5575
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Fax: (216) 642-3463
Web: www.csa-international.org

Global Engineering Documents
Global Engineering Documents
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Fax: (303) 379-2740

NEMA
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Rosslyn, VA 22209
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NPES (ASC IT8)
NPES The Association for Suppliers of Printing, Publishing and Converting Technologies
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SJI
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ASA (ASC S1)
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ASHRAE
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Web: www.ashrae.org

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Fax: (216) 642-3463
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ITI (INCITS)
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Web: www.incits.org

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NPES (ASC IT8)
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UL-NC
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UL-NY
Underwriters Laboratories, Inc.
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Phone: (631) 271-6200 ext 22735, or 803-787-1398

Initiation of Canvasses

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

NSPI (National Spa and Pool Institute)

Office: 2111 Eisenhower Avenue
Alexandria, VA 22314

Contact: *Bernice Crenshaw*

Phone: (703) 838-0083 x150

Fax: (703) 549-0493

E-mail: Bcrenshaw@nspi.org

BSR/NSPI 7-200x, Entrapment Avoidance for Pool, Spa & Hot Tub Circulation Systems (new standard)

SJI (Steel Joist Institute)

Office: 3127 10th Avenue North
Myrtle Beach, SC 29577-6760

Contact: *Robert Hackworth*

Phone: (843) 626-1995

Fax: (843) 626-5565

E-mail: rhackworth@steeljoist.org

BSR/SJI JG-1.0-200x, Specification for Joist Girders (revision of ANSI/SJI JG-1.0-2001)

BSR/SJI K-1.0-200x, Specification for Open Web Steel Joists, K-Series (revision of ANSI/SJI K-1.0-2001)

BSR/SJI LH/DLH-1.0-200x, Specification for Longspan Steel Joists, LH-Series and Deep Longspan Steel Joists, DLH-Series (revision of ANSI/SJI LH/DLH-1.0-2001)

Project Initiation Notification System (PINS)

ANSI Procedures require notification of ANSI by ANSI-accredited standards developers of the initiation and scope of activities expected to result in new or revised American National Standards. This information is a key element in planning and coordinating American National Standards. For additional information, see clause 2.4 of the ANSI Essential Requirements: Due Process Requirements for American National Standards (January 2003 edition).

Following is a list of proposed new American National Standards or revisions to existing American National Standards that have been received from ANSI-accredited standards developers that utilize the periodic maintenance option in connection with their standards. Please also review the section entitled "American National Standards Maintained Under Continuous Maintenance" contained in Standards Action for comparable information with regard to standards maintained under the continuous maintenance option. Directly and materially affected interests wishing to receive more information should contact the standards developer directly.

AIAA (American Institute of Aeronautics and Astronautics)

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Suite 500
Reston, VA 20191-4344

Contact: *Craig Day*

Fax: (703) 264-7551

E-mail: craigd@aiaa.org

BSR/AIAA G-003B-200x, Guide to Standard and Reference Atmosphere Models (revision of ANSI/AIAA G-003A-1996)

Stakeholders: All within the aerospace industry having interface actions with earth and planetary atmosphers in their design and operation actions.

Project Need: Five Year Update Action

This standard provides guidelines for selected reference and standard atmosphere models for use in engineering design and scientific research. This standard is intended to assist aircraft and space vehicle designers and developers, geophysicists, meteorologists, and climatologists in understanding available models, comparing sources of data, and interpreting engineering and scientific results based on different atmospheric models.

ASC X9 (Accredited Standards Committee X9, Incorporated)

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Annapolis, MD 21403

Contact: *Isabel Bailey*

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E-mail: Isabel.Bailey@X9.org

BSR X9.100-170-200x, Specifications for the Padlock Icon (revision and redesignation of ANSI X9.51-1998)

Stakeholders: This standard establishes the design and usage requirements of the padlock icon for visually communicating the presence of security features on a check.

Project Need: This standard offers check printers and users of negotiable documents some deterrents to casual fraud.

This standard establishes the design and usage requirements of the padlock icon for visually communicating the presence of security features on a check. The standard specifies characteristics of security features that meet the requirements for use of the padlock icon.

ATIS (Alliance for Telecommunications Industry Solutions)

Office: 1200 G Street NW, Suite 500
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Contact: *Susan Carioti*

Fax: (202) 347-7125

E-mail: scarioti@atis.org; acolon@atis.org

BSR T1.261a-200x, Security for TMN Management Transactions over the TMN Q3 Interface (supplement to ANSI T1.261-1998)

Stakeholders: Telecom and Information Technology

Project Need: To provide the requisite to bring the standard up to date in regards to recent developments related to data encryption.

This standard addresses the security of transaction-oriented TMN management messages exchanged over TMN Q3 interfaces among Network Elements (NE) and Operations Systems (OSs). Offers the following four levels of security: authentication of the association initiator, peer entity authentication, data origin authentication, and access control and whole protocol data unit protection.

AWS (American Welding Society)

Office: 550 N.W. LeJeune Road
Miami, FL 33126

Contact: *Andrew Davis*

Fax: (305) 443-5951

E-mail: adavis@aws.org; roneill@aws.org

BSR/AWS D3.7-200x, Guide for Aluminum Hull Welding (revision of ANSI/AWS D3.7-2004)

Stakeholders: Aluminum vessel construction companies and subcontractors

Project Need: Advances in the practice of aluminum hull construction

Provides information on proven processes, techniques, and procedures for welding aluminum hulls and related ship structures. The information presented applies chiefly to the welding of aluminum hulls that are over 30 ft (9 m) in length and made of sheet and plate 1/8 in. (3.2 mm) thick and greater.

AWWA (American Water Works Association)

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Denver, CO 80235

Contact: *Jim Wailes*

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E-mail: jwailes@awwa.org

BSR/AWWA FXXX-200x, Ozone Treatment of Water (new standard)

Stakeholders: Drinking water treatment and supply industry. Water utilities, consulting engineers, water treatment equipment manufacturers, industrial users, etc.

Project Need: Ozone treatment processes in water supply have gained accepted use for oxidation, taste and odor control, disinfection, pathogen inactivation, and other treatment goals. Ozonation is used with other treatment processes to achieve regulatory and aesthetic water quality goals.

Describes the requirements for ozone water treatment processes and equipment elements used to treat water. Processes, equipment, and elements covered under this standard will include ozone dosage, ozonation equipment, and related appurtenances.

BSR/AWWA FYYY-200x, Ultra-Violet Treatment of Water (new standard)

Stakeholders: Drinking water treatment and supply industry. Water utilities, consulting engineers, water treatment equipment manufacturers, industrial users, etc.

Project Need: Ultra-violet (UV) treatment processes in water supply have gained accepted use for disinfection, pathogen inactivation, oxidation, and other treatment goals. Ultra-violet treatment is used with other treatment processes to achieve regulatory and aesthetic water quality goals.

Describes the requirements for ultra-violet water treatment processes and equipment elements used to treat water. Processes, equipment, and elements covered under this standard will include UV dosage, UV reactors, and related appurtenances.

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

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Cleveland, OH 44131-5575

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E-mail: al.callahan@csa-america.org; Steve Kazubski [Steve.Kazubski@csa-america.org]

BSR Z83.11b-200x, Gas Food Service Equipment (revision of ANSI Z83.11-2002/CSA 1.8-2002, ANSI Z83.11a-2004/CSA 1.8b-2004)

Stakeholders: Consumers, Manufacturers, Gas Suppliers, Certifying Agencies

Project Need: Revise Standard for Safety

Details test and examination criteria for gas food service equipment for use with natural, manufactured and mixed gases, propane, liquefied petroleum gases and LP gas-air mixtures. The standard provides coverage for ranges and unit broilers, baking and roasting ovens, counter appliances, deep fat fryers and kettles, steam cookers and steam generators.

IEEE (Institute of Electrical and Electronics Engineers)

Office:

Contact:

BSR/IEEE 802.15.3b-200x, Amendment to Standard for Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks Specific Requirements - Part 15.3: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Amendment to MAC Sublayer (supplement to ANSI/IEEE 802.15.3-2003)

Stakeholders: Data Communications Industry and Telecom

Project Need: The purpose of this amendment is to improve the ability of IEEE Std 802.15.3 to support emerging wireless multimedia applications; e.g., multimedia streaming, time synchronization, low latency data transfer, and peripheral connectivity.

This amendment contains changes to the IEEE Std 802.15.3 required to improve implementation and interoperability. This will include minor optimizations while preserving backward compatibility. In addition, this amendment will correct errors, clarify ambiguities, and add editorial clarifications.

BSR/IEEE 802.15.4a-200x, Amendment to Standard for Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks Specific Requirements - Part 15.4: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Alternate Physical Layer Extension for Low Rate Wireless Personal Area Networks (WPAN) (supplement to BSR/IEEE 802.15.4-200x)

Stakeholders: Data Communications Industry and Telecom

Project Need: The CFAs responses collected by study group 802.15.SG4a over the past year indicate an evolutionary market developing for a group of applications that are not fully addressed by 802.15.4. In order to strive for a level of coexistence with other wireless systems, especially those in similar market spaces, requirements will be established in 802.15.4a selection criteria.

This project will define an alternative PHY clause for a data communication standard with precision ranging, extended range, enhanced robustness and mobility amendment to standard 802.15.4 (18a).

BSR/IEEE 802.15.4-200x, Standard for Telecommunications and Information Exchange Between Systems - LAN/MAN Specific Requirements - Part 15: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Low Rate Wireless Personal Area Networks (WPAN) (revision of ANSI/IEEE 802.15.4-2003)

Stakeholders: Data Communications Industry and Telecom

Project Need: The purpose of this revision is to extend the market applicability of IEEE 802.15.4-2003 and to remove ambiguities in the standard. Implementations of the current approved standard have revealed potential areas of improvements.

REVb will define enhancements and corrections to the existing standard. The revised standard will be backward compatible with IEEE P802.15.4-2003. The considered enhancements shall be limited to:
- A method for shared time-base distribution.
- Support for new frequency allocations for Europe, China, and Japan.
- Extension of 2.4GHz derivative modulation yielding higher data rates for the lower frequency bands.
- Mechanism for communicating the revision level.
The considered corrections are:
- Resolving ambiguities.
- Removing unnecessary complexity, such as making GTS support optional and eliminating BUSY_RX, BUSY_TX, and FORCE_TRX_OFF from the PHY enumerations.
- Resolving issues such as long association time for non-beacon networks, inflexible security use, adding support for multicast, reducing MAC overhead and MAC header compression.

BSR/IEEE 802.15.5-200x, Recommended practices for mesh topology capability in Wireless Personal Area Networks (WPANs) (new standard)

Stakeholders: Data Communications Industry and Telecom

Project Need: This project facilitates wireless mesh topologies optimized for IEEE 802.15 WPANs. Mesh Topologies provide: (a) Extension of network coverage without increasing the transmit power or the receiver sensitivity; (b) Enhanced reliability via route redundancy; (c) Easier network configuration; (d) Better device battery life.

Provides a recommended practice to provide the architectural framework enabling WPAN devices to promote interoperable, stable, and scaleable wireless mesh topologies and, if needed, to provide the amendment text to the current WPAN standards that is required to implement this recommended practice.

BSR/IEEE 802.16/Conformance04, Standard for Conformance to IEEE 802.16 - Part 4: Protocol Implementation Conformance Statement (PICS) Proforma for Frequencies below 11 GHz (new standard)

Stakeholders: Data Communications Industry and Telecom

Project Need: This document describes the capabilities and options within the air interface specified for frequencies below 11 GHz in IEEE P802.16-REVd. It is to be completed by the supplier of a product claiming to implement the protocol.

This standard represents the Protocol Implementation Conformance Statement (PICS) Proforma, per ISO/IEC Standard 9646-7 (1995) and ITU-T X.296, for conformance specification of base stations and subscriber stations based upon the air interface specified in IEEE P802.16-REVd for frequencies below 11 GHz.

BSR/IEEE 1484.11.3-200x, Standard for Learning Technology eXtensible Markup Language (XML) Schema Binding for Data Model for Content Object Communication (new standard)

Stakeholders: Government, corporate training, higher education, publishers, commercial aviation, medical

Project Need: The purpose of this Standard is to allow the creation of IEEE 1484.11.1 data-model instances in XML. This Standard uses the W3C Schema definition language as the encoding. This allows for interoperability and the exchange of data-model instances between various systems.

This Standard specifies a W3C eXtensible Markup Language (XML) Schema binding of the data model defined in IEEE 1484.11.1, "Standard for Learning Technology Data Model for Content Object Communication." An implementation that conforms with this Standard shall conform to IEEE 1484.11.1.

IEEE (Institute of Electrical and Electronics Engineers)

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BSR/IEEE 1450.4-200x, Standard for Extensions to Standard Test Interface Language (STIL) (IEEE Std. 1450-1999) for Test Flow Specification (new standard)

Stakeholders: Semiconductor manufacturers, Contract test houses providing test generation, EDA (Electronic Design Automation) vendors with automatic test program generation tools, test program generation providers and IC consumers with incoming test/inspection capability.

Project Need: This standard will facilitate the use of STIL on automatic test equipment.

Define structures in STIL for specification of the order of execution of test program components. Define structures in STIL such that test flows are specified in a structured manner to facilitate automated modification or maintenance. Define structures in STIL for specifying a common interface between the flow environment and test program components.

BSR/IEEE 1451.6-200x, Standard for a Smart Transducer Interface for Sensors and Actuators - A High-Speed CANopen-based Transducer Network Interface for Intrinsically Safe and Non-intrinsically Safe Applications (new standard)

Stakeholders: Sensor bus and transducer network users across various industries, in particular, the instrumentation and measurement, and process control industry

Project Need: The specific reason for the standardization project is to create a sensor interface for CANopen-based network incorporating the IEEE 1451 TEDS concept for intrinsically safe and non-intrinsically safe applications.

This project establishes a CANopen-based network for multi-channel transducer modules. The standard defines the mapping of IEEE 1451 Transducer Electronic Data Sheet (TEDS) to the CANopen dictionary entries as well as communication messages, process data, configuration parameter, and diagnosis information. It adopts the CANopen device profile for measuring devices and closed-loop controllers. This project defines an intrinsically safe (IS) CAN physical layer.

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BSR/IEEE 485-200x, Recommended Practice for Sizing Lead-Acid Batteries for Stationary Applications (revision of ANSI/IEEE 485-1997)

Stakeholders: Telecom, Utility, IT, UPS mfgs, Battery mfgs, DC plant and UPS Engineering and Installation (and Maintenance) Service Companies

Project Need: New technologies have led to expanded applications and variations in the standard cell types previously addressed. This revision will provide additional guidance with respect to battery sizing issues in these areas as well as addressing impact and implementing necessary changes due to related documents.

Methods for defining the dc load and for sizing a lead-acid battery to supply that load for stationary battery applications in full float operations are described. Some factors relating to cell selection are provided for consideration.

BSR/IEEE 820-200x, Standard Telephone Loop Performance Characteristics (revision of ANSI/IEEE 820-1984 (R1999))

Stakeholders: Electric utilities

Project Need: The document will be revised to bring it up to date with present methods and newer references will be added.

This standard covers the general parameters and characteristics associated with telephone loops from the subscriber signaling and analog voice frequency interface to the local Class 5 switch interface. It includes only those business and residential lines in the North American public switched network where no special performance requirements are involved. This standard provides common denominators for subscriber line performance, independent of facility types, construction processes or equipment, and circuit provisioning methods.

BSR/IEEE 1656-200x, Trial-Use Guide for Testing the Electrical, Mechanical, and Durability Performance of Wildlife Guards and Deterrents Used on Overhead Power Distribution Systems Rated up to 38 k.V (new standard)

Stakeholders: Utilities and power producers

Project Need: There are currently no test recommendations that the end user can specify regarding wildlife protective products. Failures have occured in field applications therefore end users have specified a need and guidance for test recommendations that may be applicable.

Applicable to wildlife protective products used on overhead electrical distribution systems rated up to and including 38 kV. Provides test recommendations regarding these products that are in direct contact or in the proximity of energized parts and conductors.

BSR/IEEE 1657-200x, Guide for Personnel Qualifications for Installation, Maintenance, and Operation of Stationary Batteries (new standard)

Stakeholders: Telecom, utility, IT, UPS mfgs, Battery mfgs, DC plant and UPS Engineering and Installation (and Maintenance) Services companies, and training providers

Project Need: There is no standardization of materials, qualification or experience of personnel performing various DC-related maintenance and testing tasks. This document seeks to standardize the required level of training and areas that are necessary in the performance various DC-related maintenance and testing.

This document defines the areas of recommended knowledge for installers, maintainers and operators of stationary batteries, and related systems to the extent that they affect the battery. Design of the DC system and sizing of the DC battery charger(s) are beyond the scope of this guide.

BSR/IEEE C37.20.7-200x, Guide for Testing Metal-Enclosed Switchgear Rated 1kV through 38kV for Internal Arc Faults (revision of ANSI/IEEE C37.20.7-2001)

Stakeholders: Industrials, Manufacturers, and Utilities

Project Need: This project is intended to revise the existing C37.20.7 to harmonize with IEC documents, correct inconsistencies in the procedure, and add an application guide as an informative index.

This guide establishes a method by which metal-enclosed switchgear, as dedined by C37.20.2 and C37.20.3, may be tested for resistance to the effects of arcing due to internal fault. This guide applies only to equipment utilizing air as the primary insulating medium and rated above 1000VAC. It applies to both indoor and outdoor equipment.

BSR/IEEE C37.232-200x, Recommended Practice for Naming Time Sequence Data Files (new standard)

Stakeholders: Disturbance Recorder Manufacturers, Protection Relay Manufacturers, Transmission Owners, Generation Owners, Distribution Owners, Reliability Regions, Area Security Coordinators, Third Party Software Providers

Project Need: The practice being considered by the Working Group has been gaining popularity and has so far been adopted by a number of major utilities, independent system operators and manufactures. The National Energy Regulatory Commission (NERC) and the Northeast Power Coordinating Council (NPCC) have recommended the use the practice as well.

The scope of the document is a procedure that is recommended for naming time sequence data (TSD) files, such as, transient records, event sequences and periodic logs. The file names include, among other feature, the key portions of the information contained in the file including, but not limited to, the name of the circuit, substation and recording device, and the date and time of the occurrence.

IEEE (Institute of Electrical and Electronics Engineers)

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E-mail: p.gerdon@ieee.org

BSR/IEEE 1616a-200x, Standard for Motor Vehicle Event Data Recorders (MVEDRs) - Amendment 1: Brake and Electronic Control Unit (ECU) Electronic Fault Code Data Elements (supplement to BSR/IEEE 1616-200x)

Stakeholders: government, automotive industry, medical injury, legal profession, insurance industry, crash reconstructionists and academia researchers.

Project Need: This project has particular emphasis on heavy vehicle Brake and Electronic Control Unit (ECU) fault code data elements. End users of this data include government, automotive industry, medical injury, legal profession, insurance industry, crash reconstructionists and academia researchers.

The scope of this project is to develop an amendment for brake and transmission electronic control units that requires units to store a full history of electronic fault codes that are time stamped using a recognized clock synchronized with other on-board motor vehicle event data recording devices.

NEMA (ASC C78) (National Electrical Manufacturers Association)

Office: 1300 North 17th Street, Suite 1847
Rosslyn, VA 22209

Contact: *Randolph Roy*

Fax: (703) 841-3377

E-mail: ran_roy@nema.org; mat_clark@nema.org

BSR/IEC C78.62035-200x, Discharge Lamps (Excluding Fluorescent Lamps) - Safety Specifications (revision of ANSI/IEC C78.62035-2002)

Stakeholders: Manufacturer

Project Need: This project is needed as a revision of a previously adopted NAIS : ANSI/IEC C78.62035-2002.

This document is a revision of the standard that specifies the safety requirements for discharge lamps (excluding fluorescent lamps) for general lighting purposes and is applicable to low-pressure sodium vapor lamps and to high-intensity discharge (HID) lamps. It is a revision of a previously adopted NAIS: ANSI/IEC C78.62035-2002 with IEC referenced only material that incorporates USA deviations.

NSPI (National Spa and Pool Institute)

Office: 2111 Eisenhower Avenue
Alexandria, VA 22314

Contact: *Bernice Crenshaw*

Fax: (703) 549-0493

E-mail: Bcrenshaw@nspi.org

BSR/NSPI 7-200x, Entrapment Avoidance for Pool, Spa and Hot Tub Circulation Systems (new standard)

Stakeholders: Builders of pools and spas, manufacturers of manufactured suction entrapment devices, state health officials, and building code officials.

Project Need: Incidence reports received from the U.S. CPSC have identified 5 areas of suction entrapment hazards associated with the circulation systems for commercial pools and spas. This proposed standard will address the 5 areas of entrapment and provide performance guidelines for protection against or elimination of these hazards.

This Standard covers design and performance criteria for circulation systems including components, devices and related technology installed to protect against entrapment hazards in residential and public swimming pools, wading pools, spas and hot tubs. hereinafter called "aquatic facility". This standard applies to new and existing installations.

UL (Underwriters Laboratories, Inc.)

Office: 1655 Scott Boulevard
Santa Clara, CA 95050

Contact: *Kristin Andrews*

Fax: (408) 556-6045

E-mail: Kristin.L.Andrews@us.ul.com

BSR/UL 2335-200x, Fire Tests of Storage Pallets (Standard dated 6/18/01) (new standard)

Stakeholders: Manufacturers, warehouse personnel

Project Need: First time ANSI Approval

The standard measures the fire performance of pallets in idle palletized and rack storage arrangements. Variations from the construction or conditions tested are capable of substantially changing the performance characteristics of the pallets. The standard does not measure mechanical or structural properties of pallets. The standard does not measure the hazards from the smoke generated.

UL (Underwriters Laboratories, Inc.)

Office: 12 Laboratory Drive
Research Triangle Park, NC 27709-3995

Contact: *Tori Burnett*

Fax: (919) 316-5629

E-mail: Victoria.Burnett@us.ul.com

BSR/UL 2221-200x, Standard for Fire Resistive Grease Duct Enclosure Assemblies (new standard)

Stakeholders: Fire resistive grease duct assembly manufacturers, grease duct manufacturers, NFPA, grease duct assembly installers

Project Need: Attain a national based standard covering fire resistive grease duct enclosure assemblies.

These requirements cover fire resistive grease duct enclosure assemblies that are intended to be installed in accordance with NFPA 96, Ventilation Control and Fire Protection of Commercial Cooking Operations and the International Mechanical Code. These requirements do not cover proprietary grease ducts, which are covered by the Standard for Grease Ducts, UL 1978.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

To obtain additional information with regard to these standards, such as contact information at the ANSI accredited standards developer, please visit ANSI Online at www.ansi.org, 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 or via fax at 212-840-2298. If you request that information be provided via E-mail, please include your E-mail address; if you request that information be provided via fax, please include your fax number. Thank you.

ISO and IEC Draft International Standards

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

Comments

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

Ordering Instructions

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

ISO Standards

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 18395, Animal and vegetable fats and oils - Determination of monoacylglycerols, diacylglycerols, triacylglycerols and glycerol by high-performance size-exclusion chromatography (HPSEC) - 7/8/2004, $53.00

BUILDING CONSTRUCTION (TC 59)

ISO/DIS 15686-7, Buildings and constructed assets - Service life planning - Part 7: Performance evaluation for feedback of service life data from existing construction works - 7/8/2004, $97.00

ERGONOMICS (TC 159)

ISO/DIS 13732-1, Ergonomics of the thermal environment - Methods for the assessment of human responses to contact with surfaces - Part 1: Hot surfaces - 7/10/2004, $107.00

MACHINE TOOLS (TC 39)

ISO/DIS 3070-1, Test conditions for boring and milling machines with horizontal spindle - Testing of accuracy - Part 1: Table-type machines - 7/10/2004, $113.00

ISO/DIS 3070-2, Test conditions for boring and milling machines with horizontal spindle - Testing of accuracy - Part 2: Floor-type machines with detached, stationary work-holding table - 7/10/2004, $113.00

ISO/DIS 3070-3, Test conditions for boring and milling machines with horizontal spindle - Testing of accuracy - Part 3: Planer-type machines with movable column - 7/10/2004, $113.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 9005, Nuclear energy - Uranium dioxide powder and sintered pellets - Determination of oxygen/uranium atomic ratio by the amperometric method - 7/8/2004, $49.00

PLASTICS (TC 61)

ISO/DIS 291, Plastics - Standard atmospheres for conditioning and testing - 7/10/2004, $43.00

ISO/DIS 483, Plastics - Small enclosures for conditioning and testing using aqueous solutions to maintain the humidity at a constant value - 7/10/2004, $58.00

ISO/DIS 16152, Plastics - Determination of xylene-soluble matter in polypropylene - 7/8/2004, $43.00

PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)

ISO/DIS 21178, Light conveyor belts - Test methods for measurement of the electrical resistances - 7/9/2004, $78.00

ISO/DIS 21179, Light conveyor belts - Test method for the measurement of the electrostatic field generated by a running light conveyor belt - 7/9/2004, $38.00

REFRACTORIES (TC 33)

ISO/DIS 5019-6, Refractory bricks - Dimensions - Part 6: Basic bricks for oxygen steel-making converters - 7/10/2004, $38.00

ROAD VEHICLES (TC 22)

ISO/DIS 16232-1, Road vehicles - Cleanliness of components of fluid circuits - Part 1: Vocabulary - 7/10/2004, $53.00

ISO/DIS 16232-2, Road vehicles - Cleanliness of components of fluid circuits - Part 2: Method of extraction of contaminants by agitation - 7/10/2004, $67.00

ISO/DIS 16232-3, Road vehicles - Cleanliness of components of fluid circuits - Part 3: Method of extraction of contaminants by pressure rinsing - 7/10/2004, $63.00

ISO/DIS 16232-4, Road vehicles - Cleanliness of components of fluid circuits - Part 4: Method of extraction of contaminants by ultrasonic techniques - 7/10/2004, $78.00

ISO/DIS 16232-5, Road vehicles - Cleanliness of components of fluid circuits - Part 5: Method of extraction of contaminants on functional test bench - 7/10/2004, $67.00

ISO/DIS 16232-6, Road vehicles - Cleanliness of components of fluid circuits - Part 6: Gravimetric analysis - 7/10/2004, $43.00

ISO/DIS 16232-7, Road vehicles - Cleanliness of components of fluid circuits - Part 7: Particle sizing and counting by microscopic analysis - 7/10/2004, $67.00

ISO/DIS 16232-8, Road vehicles - Cleanliness of components of fluid circuits - Part 8: Determination of particle nature by microscopic analysis - 7/10/2004, $38.00

ISO/DIS 16232-9, Road vehicles - Cleanliness of components of fluid circuits - Part 9: Particle sizing and counting in liquid samples by automatic light extinction particle counter - 7/10/2004, $67.00

ISO/DIS 16232-10, Road vehicles - Cleanliness of components of fluid circuits - Part 10: Expression of results - 7/10/2004, $63.00

TECHNICAL DRAWINGS, PRODUCT DEFINITION AND RELATED DOCUMENTATION (TC 10)

ISO/DIS 16792, Technical product documentation - Digital product definition data practices - 7/10/2004, $137.00

TEXTILES (TC 38)

ISO/DIS 3071, Textiles - Determination of pH of aqueous extract - 7/8/2004, $38.00

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

ISO/DIS 8871-5, Elastomeric parts for parenterals and for devices for pharmaceutical use - Part 5: Functional requirements and testing - 7/9/2004, $43.00

IEC Standards

1/1932/FDIS, 60050-111 A1 Ed. 2: Amendment 1 to IEC 60050-111:1996, International Electrotechnical Vocabulary (IEV) - Part 111: Physics and chemistry - Time and related concepts, 06/04/2004

3C/1145/FDIS, IEC 60417: Graphical symbols for audiovisual tapes and discs - 5110A Pr: Stop, 06/04/2004

3C/1146/FDIS, IEC 60417: Graphical symbols for audiovisual tapes and discs - 5110B Pr: Stop, 06/04/2004

3C/1147/FDIS, IEC 60417: Graphical symbols for audiovisual tapes and discs - 5111A / 01: Pause; interruption, 06/04/2004

3C/1148/FDIS, IEC 60417: Graphical symbols for audiovisual tapes and discs - 5111B Pr: Pause; interruption, 06/04/2004

3C/1149/FDIS, IEC 60417: Graphical symbols for audiovisual tapes and discs - 5124A / 01: Slow run; slow speed, 06/04/2004

3C/1150/FDIS, IEC 60417: Graphical symbols for audiovisual tapes and discs - 5124B / 02: Slow run; slow speed, 06/04/2004

3C/1151/FDIS, IEC 60417: Graphical symbols for audiovisual tapes and discs - 5125A / 01: Recapitulate, 06/04/2004

3C/1152/FDIS, IEC 60417: Graphical symbols for audiovisual tapes and discs - 5861 Pr: Next; to play next part, 06/04/2004

3C/1153/FDIS, IEC 60417: Graphical symbols for audiovisual tapes and discs - 5862 Pr: Previous; to play previous part, 06/04/2004

49/665/FDIS, IEC 61337-2 Ed.1: Filters using waveguide type dielectric resonators - Part 2: Guide for use, 06/04/2004

CIS/A/517/FDIS, Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-3: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Disturbance power, 06/04/2004

34C/641/FDIS, IEC 60927 Am.2 Ed. 2: Auxiliaries for lamps - Starting devices (other than glow starters) - Performance requirements, 06/11/2004

47E/256/FDIS, IEC 60747-16-4, Ed.1: Discrete semiconductor devices - Part 16-4: Microwave integrated circuits - Switches, 06/11/2004

47E/257/FDIS, IEC 60747-16-10, Ed.1: Semiconductor devices - Part 16-10: Technology Approval Schedule (TAS) for monolithic microwave integrated circuits, 06/11/2004

65C/319A/FDIS, IEC 60488-1: IEEE Standard Digital Interface for Programmable Instrumentation This document supersedes 65C/319/FDIS., 06/11/2004

Newly Published ISO Standards

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

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

CORK (TC 87)

ISO 3813:2004, Resilient floor coverings - Cork floor tiles - Specification, $38.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO 15902:2004, Optics and optical instruments - Diffractive optics - Vocabulary, $72.00

ROAD VEHICLES (TC 22)

ISO 7876-4:2004, Fuel injection equipment - Vocabulary - Part 4: High-pressure pipes and end-connections, $43.00

SMALL TOOLS (TC 29)

ISO 11901-2:2004, Tools for pressing - Gas springs - Part 2: Specification of accessories, $49.00

STEEL (TC 17)

ISO 18286:2004, Hot-rolled stainless steel plates - Tolerances on dimensions and shape, $43.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 5692-1:2004, Agricultural vehicles - Mechanical connections on towed vehicles - Part 1: Dimensions for hitch rings, $38.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 10646:2004, Information technology - Universal Multiple-Octet Coded Character Set (UCS), $270.00

ISO/IEC JTC 1 Technical Reports

ISO/IEC TR 9573-11:2004, Information processing - SGML support facilities - Part 11: Structure descriptions and style specifications for standards document interchange, $88.00

CEN/CENELEC Standards Activity

Competitive Excellence Through Standardization Technology

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

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

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

Ordering Instructions

ENs are currently available via ANSI's ESS (Electronic Standards Store), accessed at www.ansi.org.

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

CEN

European drafts sent for CEN enquiry

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

prEN ISO 4618, Paints and varnishes - Terms and definitions (ISO/DIS 4618: 2004) - 7/18/2004, $28.00

European drafts sent for formal vote (for information)

The following European drafts have been sent to CEN members for formal vote. If the draft is a proposed adoption of an International Standard, it is so noted.

prEN ISO 10052, Acoustics - Field measurements of airborne and impact sound insulation and of service equipment sound - Survey method (ISO/FDIS 10052: 2004)

prEN ISO 17836, Thermal spraying - Determination of the deposition efficiency for thermal spraying (ISO/FDIS 17836: 2004)

prEN ISO/IEC 17011, Conformity assessment - General requirements for accreditation bodies accrediting conformity assessment bodies (ISO/FDIS 17011: 2004)

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

New York State Office for Technology

Organization: New York State Office for Technology
40 North Pearl Street, Floor 6
Albany, NY 12207
Contact: Neil Clasen
PHONE: 518-473-0225; FAX 518-486-7940
E-mail: Neil.Clasen@oft.state.ny.us

Public review: April 7, 2004 to July 6, 2004

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

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

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

Information Concerning

ANSI Accredited Standards Developers

Reaccreditation

Society of Cable Telecommunications Engineers (SCTE)

Comment Deadline: May 17, 2004

The Society of Cable Telecommunications Engineers (SCTE) has submitted revisions to 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 the revised procedures or to offer comments, please contact: Mr. Stephen P. Oksala, Vice President, Standard, SCTE, 140 Phillips Road, Exton, PA 19341; PHONE: (610) 524-1725, ext. 204; FAX: (610) 363-5898; E-mail: soksala@scte.org. Please submit your comments to SCTE by May 17, 2004, with a copy to the Recording Secretary, ExSC in ANSI's New York Office (FAX: (212) 840-2298; E-mail: Jthompso@ANSI.org). As the revisions have been provided electronically, the public review period is 30 days. You may view or download a copy of the revised SCTE procedures from ANSI Online during the public review period at the following URL: http://public.ansi.org/ansionline/Documents/Standards%20Activities/Public%20Review%20and%20Comment/Accreditation%20Actions/.

BSR S1.17-200X - Changes made in draft 2 to resolve comments:

3 Normative references

~~**3.4** ANSI S1.11-1986 (R 1998), *American National Standard Specification for Octave-Band and Fractional Octave-Band Analog and Digital Filters*~~

ANSI S1.11-2004, *American National Standard Specification for Octave-Band and Fractional Octave-Band Analog and Digital Filters*

~~4 Precision and bias~~

~~*4.1 Precision*~~

~~4.1.1 Tests in a reverberation room~~

~~The precision of this test method depends, to a great extent on the size of the artifact. An extensive round robin has shown For any individual laboratory, the uncertainty (twice the standard deviation) will not exceed those in the first column and third column of table 1 (Local) . For uncertainty of all laboratory tests, the uncertainty will not exceed those in the second and fourth columns of table 1 (next page).~~

~~4.1.2 Tests in an anechoic room~~

~~Uncertainty has not been determined.~~

~~*4.2 Bias*~~

~~There is no known bias associated with this test method.~~

4 Uncertainty of measurements of windscreen insertion loss in a reverberation room

4.1 Round-robin tests were performed in reverberation rooms by seven laboratories on as many as47 artifacts of spherical windscreens to determine the insertion loss from the windscreens. (Some of the windscreens tested were of similar design, every laboratory did not test every artifact.) A wideband sound source was used. Signals were analyzed by one-third-octave-band filters with midband frequencies ranging from 125 Hz to 10 kHz. Windscreens had nominal diameters of either 59 mm or 170 mm; all windscreens were made from open-cell foam. The results of the tests were examined to determine the mean values of the insertion losses and the standard deviations of the data. No tests were performed in the free-field environment of an anechoic chamber.

4.2 Measurements of windscreen insertion loss were sorted into two groups depending on the nominal diameter of the windscreen. The variability in the measurements of insertion loss was attributed to differences in the laboratory facilities

and measurement techniques and to factors such as the size of the openings in the porous foam, the porosity of the foam, the type of foam material, and, if present, the coating on the surface of the foam. An important consideration was the depth of the hole in the foam into which the microphone was inserted and how well seated the microphone was at the bottom of the hole.

4.3 Table 1 shows the estimates of expanded uncertainties of measurement of windscreen insertion loss in reverberation rooms. The meaning of "expanded uncertainty of measurement" is that there is a 95 % level of confidence that the true insertion loss lies within the range from M - u to M + u, where M is the mean windscreen insertion loss at a given one-third-octave nominal midband frequency and u is an uncertainty from Table 1. For the purpose of this standard, it was assumed that an expanded uncertainty of measurement at the 95 % confidence level was equal to twice the standard deviation of a set of data that were also assumed to have a normal distribution. Because of this assumption, the data in Table 1 represent the best-available estimates of the expanded uncertainties of measurement of windscreen insertion loss from measurements in reverberation rooms.

NOTE The data in Table 1 are for guidance only. Each individual laboratory should evaluate their uncertainty of measurement. Principles given in the ISO/IEC Guide to the expression of uncertainty in measurement should be followed to determine the expanded uncertainties of measurement.

4.4 In addition to grouping the results into "large" and "smaller" windscreens, the data in Table 1 show the expanded uncertainties for "local" and "global" groupings. The "local" groupings represent the greatest uncertainties from tests conducted by the individual laboratories. The "global" groupings represent the greatest uncertainties observed for all laboratories considered as a single group.