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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, in accordance with the developer's procedures.

#### 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

## Comment Deadline: February 8, 2009

### NSF (NSF International)

#### Revisions

BSR/NSF 50-200x (i62), Equipment for Swimming Pools, Spas, Hot Tubs and other Recreational Water Facilities (revision of ANSI/NSF 50-2008)

Issue 62 - Updates Annex N with the appropriate standard methods.

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

Send comments (with copy to BSR) to: Mindy Costello, (734) 827-6819, [mcostello@nsf.org](mailto:mcostello@nsf.org)

## Comment Deadline: February 23, 2009

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

#### Reaffirmations

BSR/AAMI/ISO 13485-2003 (R200x), Medical devices - Quality management systems - Requirements for regulatory purposes (reaffirmation of ANSI/AAMI/ISO 13485-2003)

Specifies requirements for a quality management system for medical devices where an organization needs to demonstrate its ability to provide product that consistently meets customer and applicable regulatory requirements.

Single copy price: \$95.00

Obtain an electronic copy from: AAMI

Order from: AAMI

Send comments (with copy to BSR) to: Hillary Woehrle, (703) 525-4890 x215, [hwoehrle@aami.org](mailto:hwoehrle@aami.org)

### ABYC (American Boat and Yacht Council)

#### New Standards

BSR/ABYC E-1107-200x, DC Battery Switches for Use on Boats (new standard)

Provides a guide for the design, construction, testing, and installation of marine battery switches used on boats.

Single copy price: \$ 50.00

Obtain an electronic copy from: [comments@abycinc.org](mailto:comments@abycinc.org)

Order from: Sandy Brown, (410) 990-4460, [sbrown@abycinc.org](mailto:sbrown@abycinc.org)

Send comments (with copy to BSR) to: John Adey, (410) 990-4460, [jadey@abycinc.org](mailto:jadey@abycinc.org)

### ESTA (Entertainment Services and Technology Association)

#### New Standards

BSR E1.18-1-200x, Standard for the selection, installation, and use of single-conductor portable power feeder cable systems for use at 600 volts nominal or less for the distribution of electrical energy in the entertainment and live-event industries (new standard)

Offers guidance on the selection, installation, and safe use of single-conductor portable power feeder cable systems used in the entertainment and live-event industries. This part, E1.18-1, contains the majority of the recommendations, suitable for most common portable power distribution installations.

Single copy price: Free

Obtain an electronic copy from:

[http://www.esta.org/tsp/documents/public\\_review\\_docs.php](http://www.esta.org/tsp/documents/public_review_docs.php)

Order from: Karl Ruling, (212) 244-1505, [standards@esta.org](mailto:standards@esta.org)

Send comments (with copy to BSR) to: Same

### HPS (ASC N13) (Health Physics Society)

#### New Standards

BSR N13.53-200x, Control and Release of Technologically Enhanced Naturally Occurring Radioactive Material (TENORM) (new standard)

Provides general guidance and normative criteria for the control and release of technologically enhanced naturally occurring radioactive material. The activities considered by this standard include mining and beneficiation of ores; processing of ore material, gangue, and wastes; feedstock used in the manufacture of consumer and industrial products; and distribution of products containing TENORM.

Single copy price: \$10.00

Obtain an electronic copy from: [njohnson@burkinc.com](mailto:njohnson@burkinc.com)

Order from: Nancy Johnson, (703) 790-1745, [njohnson@burkinc.com](mailto:njohnson@burkinc.com)

Send comments (with copy to BSR) to: Same

### NECA (National Electrical Contractors Association)

#### New Standards

BSR/NECA 169-200x, Standard for Installing and Maintaining Arc-Fault Circuit Interrupters (AFCIs) and Ground-Fault Circuit Interrupters (GFCIs) (new standard)

Describes the installation and maintenance procedures for arc-fault circuit interrupters (AFCIs) and ground-fault circuit interrupters (GFCIs).

Single copy price: \$10.00

Order from: Nicholas Daly, (301) 657-3110, [nick.daly@necanet.org](mailto:nick.daly@necanet.org)

Send comments (with copy to BSR) to: Same

### NGA (National Glass Association)

#### Revisions

BSR/NGA R1.1-200x, Repair of Laminated Automotive Glass Standard (ROLAGS) (revision of ANSI/NGA R1.1-2007)

Defines:

- Repairable damages;
- The process of windshield repair; and
- The performance criteria for repaired laminated glass.

This standard shall also provide best practices for the training of a repair technician.

Single copy price: N/A

Obtain an electronic copy from: download at [www.rolags.com](http://www.rolags.com)

Send comments (with copy to BSR) to: Margaret Stroka, (717) 932-6885, [pegs@glass.org](mailto:pegs@glass.org)

### SCTE (Society of Cable Telecommunications Engineers)

#### New Standards

BSR/SCTE 154-1-200x, Digital Video Common MIB (new standard)

Provides the branch object identifiers for each of the MIBs within the SCTE HMS DIGITAL VIDEO COMMON MIB tree. The HMS DIGITAL COMMON MIB provides standard common MIB definitions for all HMS inside plant digital devices.

Single copy price: \$50.00

Obtain an electronic copy from: [Standards@scte.org](mailto:Standards@scte.org)

Order from: Global Engineering Documents, (800) 854-7179, [www.global.ihs.com](http://www.global.ihs.com)

Send comments (with copy to BSR) to: Stephen Oksala, (610) 524-1725 x204, [soksala@scte.org](mailto:soksala@scte.org)

**BSR/SCTE 154-2-200x, SCTE-HMS-QAM-MIB (new standard)**

Provides the definition for MIB objects within the SCTE-HMS-QAMMIB Tree.

Single copy price: \$50.00

Obtain an electronic copy from: [Standards@scte.org](mailto:Standards@scte.org)

Order from: Global Engineering Documents, (800) 854-7179,  
[www.global.ihs.com](http://www.global.ihs.com)

Send comments (with copy to BSR) to: Stephen Oksala, (610) 524-1725  
x204, [soksala@scte.org](mailto:soksala@scte.org)

**BSR/SCTE 154-3-200x, Encoder MIB (new standard)**

Provides the branch object identifiers for each of the MIBs within the SCTE HMS HEADENDIDENT Tree.

Single copy price: \$50.00

Obtain an electronic copy from: [Standards@scte.org](mailto:Standards@scte.org)

Order from: Global Engineering Documents, (800) 854-7179,  
[www.global.ihs.com](http://www.global.ihs.com)

Send comments (with copy to BSR) to: Stephen Oksala, (610) 524-1725  
x204, [soksala@scte.org](mailto:soksala@scte.org)

**BSR/SCTE 154-4-200x, MPEG Management Information Base  
SCTE-HMS-MPEG MIB (new standard)**

Provides the definition for MIB objects within the SCTE HMS MPEG MIB Tree.

Single copy price: \$50.00

Obtain an electronic copy from: [Standards@scte.org](mailto:Standards@scte.org)

Order from: Global Engineering Documents, (800) 854-7179,  
[www.global.ihs.com](http://www.global.ihs.com)

Send comments (with copy to BSR) to: Stephen Oksala, (610) 524-1725  
x204, [soksala@scte.org](mailto:soksala@scte.org)

**BSR/SCTE 154-5-200x, SCTE-HMS-HEADENDIDENT Textual  
Conventions MIB (new standard)**

Provides the branch object identifiers for each of the MIBs within the SCTE HMS DIGITAL VIDEO MIBs (DVM) in the Digital branch of the SCTE MIBs. The SCTE HMS HEADENDIDENT-TC MIB provides standard common MIB text syntax for all HMS devices.

Single copy price: \$50.00

Obtain an electronic copy from: [Standards@scte.org](mailto:Standards@scte.org)

Order from: Global Engineering Documents, (800) 854-7179,  
[www.global.ihs.com](http://www.global.ihs.com)

Send comments (with copy to BSR) to: Stephen Oksala, (610) 524-1725  
x204, [soksala@scte.org](mailto:soksala@scte.org)

**UL (Underwriters Laboratories, Inc.)****Revisions****BSR/UL 1017-200x, Vacuum Cleaners, Blower Cleaners, and  
Household Floor Finishing Machines (revision of ANSI/UL 1017-2006)**

Provides the proposed eighth edition of UL 1017.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: [www.comm-2000.com](http://www.comm-2000.com)

Order from: comm2000

Send comments (with copy to BSR) to: Megan VanHeirseele, (847)  
664-2881, [Megan.M.VanHeirseele@us.ul.com](mailto:Megan.M.VanHeirseele@us.ul.com)

**BSR/UL 1696-200x, Standard for Safety for Nonmetallic Mechanical  
Protection Tubing (NMPT) (Proposal dated 1-9-09) (revision of  
ANSI/UL 1696-2005)**

Proposes to revise the dimensional requirements for NMPT products and remove references to trade sizes and metric designators (since NMPT fittings and tubing are intended for use as a system and evaluated as such).

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: [www.comm-2000.com](http://www.comm-2000.com)

Order from: comm2000

Send comments (with copy to BSR) to: Paul Lloret, (408) 754-6500,  
[Paul.E.Lloret@us.ul.com](mailto:Paul.E.Lloret@us.ul.com)

**Reaffirmations****BSR/UL 568-2004 (R200x), Standard for Safety for Nonmetallic Cable  
Tray Systems (Proposal dated 1-9-09) (reaffirmation of ANSI/UL  
568-2004)**

Specifies the requirements for nonmetallic cable trays and associated fittings designed for use in accordance with the Canadian Electrical Code (CEC) Part 1, and the National Electrical Code (R) (NEC).

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: Paul Lloret, (408) 754-6500,  
[Paul.E.Lloret@us.ul.com](mailto:Paul.E.Lloret@us.ul.com)

**Comment Deadline: March 10, 2009**

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

**ASME (American Society of Mechanical Engineers)****Revisions****BSR/ASME B16.12-200x, Cast Iron Threaded Drainage Fittings  
(revision of ANSI/ASME B16.12-1998 (R2006))**

Covers:

- (a) sizes and method of designating openings in reducing fittings;
- (b) marking;
- (c) material;
- (d) dimensions and tolerances;
- (e) threading;
- (f) ribs;
- (g) coatings; and
- (h) face bevel.

Single copy price: \$40.00

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

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

Send comments (with copy to BSR) to: Colleen O'Brien, (212) 591-7881,  
[obrienc@asme.org](mailto:obrienc@asme.org)

**IEEE (Institute of Electrical and Electronics  
Engineers)****New Standards****BSR/IEEE 605-200x, Guide for Bus Design in Air Insulated Substations  
(new standard)**

Integrates the electrical, mechanical, and structural considerations of substation rigid and strain bus structure design into one document. Special considerations are given to fault current-force calculations. Factors considered include: the decrement of the fault current, the flexibility of supports, and the natural frequency of the bus.

Single copy price: N/A

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809,  
[m.patterson@ieee.org](mailto:m.patterson@ieee.org)

**BSR/IEEE 1363.1-200x, Standard Specification for Public-Key Cryptographic Techniques Based on Hard Problems over Lattices (new standard)**

Provides specifications of common public-key cryptographic techniques based on hard problems over lattices supplemental to those considered in IEEE 1363 and IEEE P1363a, including mathematical primitives for secret value (key) derivation, public-key encryption, identification and digital signatures, and cryptographic schemes based on those primitives.

Single copy price: N/A

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Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

**BSR/IEEE 1597.1-200x, Standard for Validation of Computational Electromagnetics Computer Modeling and Simulations (new standard)**

Defines a method to validate computational electromagnetics (CEM) computer modeling and simulation (M&S) techniques, codes, and models. This standard is applicable to a wide variety of electromagnetic (EM) applications including but not limited to the fields of electromagnetic compatibility (EMC), radar cross section (RCS), signal integrity (SI), and antennas.

Single copy price: N/A

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

**BSR/IEEE 1652-200x, Standard for the Application of Free Field Acoustic Reference to Telephony Measurements (new standard)**

Provides the techniques and rationale for referencing acoustic telephony measurements to the free field. This standard applies to ear-related measurements such as receive, sidetone and overall.

Single copy price: N/A

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

**BSR/IEEE 11073-10404-200x, Standard for Health Informatics - Personal Health Device Communication - Device Specialization - Pulse Oximeter (new standard)**

Within the context of the 11073 family of standards for device communication, this standard establishes a normative definition of communication between personal telehealth pulse oximeter devices and compute engines (e.g., cell phones, personal computers, personal health appliances, set top boxes) in a manner that enables plug-and-play interoperability. It is intended to submit this standard to ISO for consideration.

Single copy price: N/A

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

**BSR/IEEE 11073-10407-200x, Standard for Health Informatics - Personal Health Device Communication - Device Specialization - Blood Pressure Monitor (new standard)**

Within the context of the 11073 family of standards for device communication, this standard establishes a normative definition of communication between personal telehealth blood pressure monitor devices and compute engines (e.g., cell phones, personal computers, personal health appliances, set top boxes) in a manner that enables plug-and-play interoperability. It is intended to submit this standard to ISO for consideration.

Single copy price: N/A

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Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

**BSR/IEEE C37.12-200x, Guide for Specifications of High Voltage Circuit Breakers (Over 1000 Volts) (new standard)**

Provides a guide for use in developing specifications for ac high-voltage circuit breakers. This guide is for specifications that apply to all indoor and outdoor types of ac high-voltage circuit breakers rated above 1000 volts.

Single copy price: N/A

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

**BSR/IEEE C37.13-200x, Standard for Low-Voltage AC Power Circuit Breakers Used in Enclosures (new standard)**

Deals with service conditions, ratings, functional components, temperature limitations and classifications of insulating materials, insulation (dielectric) withstand voltage requirements, test procedures, and application.

Single copy price: N/A

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

**BSR/IEEE C37.27-200x, Application Guide for Low-Voltage AC Power Circuit Breakers Applied with Separately Mounted Current-Limiting Fuses (new standard)**

Provides information to assist in selection of current-limiting fuses for use with low-voltage ac power circuit breakers with separately mounted current-limiting fuses.

Single copy price: N/A

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

**New National Adoptions**

**BSR/IEEE 15939-200x, Standard for Systems and Software Engineering - Measurement Process (national adoption with modifications of ISO/IEC 15939)**

Identifies the activities and tasks that are necessary to successfully identify, define, select, apply, and improve measurement within an overall project or organizational measurement structure. This standard also provides definitions for measurement terms commonly used within the system and software industries.

Single copy price: N/A

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

## Supplements

BSR/IEEE 802.1ap-200x, Standard for Local and Metropolitan Area Networks: Virtual Bridged Local Area Networks - Amendment 9: Management Information Base (MIB) Definitions for VLAN Bridges (supplement to ANSI/IEEE 802.1Q-1999 (R2004))

This standard includes management information base (MIB) definitions in IEEE Std 802.1Q.

Single copy price: \$77.00 (IEEE Members); \$99.00 (Non-members)

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

BSR/IEEE C37.04b-200x, Rating Structure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis - Amendment to Change the Description of Transient Recovery Voltage for Harmonization with IEC 62271-100 (supplement to ANSI/IEEE C37.04-1999 (R2007))

Changes the descriptions of the standard transient recovery voltage (TRV) envelope and ratings.

Single copy price: N/A

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

## Reaffirmations

BSR/IEEE 149-2003 (R200x), Standard Test Procedures for Antennas (reaffirmation of ANSI/IEEE 149-2003)

Comprises test procedures for the measurement of antenna properties.

Single copy price: \$64.00 (IEEE Members); \$79.00 (Non-members)

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

BSR/IEEE 383-2003 (R200x), Standard for Qualifying Class 1E Electric Cables and Field Splices for Nuclear Power Generating Stations (reaffirmation of ANSI/IEEE 383-2003)

Provides general requirements, direction, and methods for qualifying Class 1E electric cables, field splices, factory splices, and factory rework for service in nuclear power generating stations. Categories of cables covered are those used for power, control, and instrumentation services, including signal and communication cables.

Single copy price: \$50.00 (IEEE Members); \$61.00 (Non-members)

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

BSR/IEEE 484-2002 (R200x), Recommended Practice for Installation Design and Installation of Vented Lead-Acid Batteries for Stationary Applications (reaffirmation of ANSI/IEEE 484-2002)

Provides recommended design practices and procedures for storage, location, mounting, ventilation, instrumentation, preassembly, assembly, and charging of vented lead-acid batteries. Required safety practices are also included. These recommended practices are applicable to all stationary applications.

Single copy price: \$57.00 (IEEE Members); \$72.00 (Non-members)

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

BSR/IEEE 620-1997 (R200x), Guide for the Presentation of Thermal Limit Curves for Squirrel Cage Induction Machines (reaffirmation of ANSI/IEEE 620-1997 (R2003))

Defines thermal limit curves for induction machines, establishes a standard procedure for the presentation of these curves, and provides guidance for the interpretation and use of these curves for machine thermal protection. This standard applies to three-phase squirrel-cage induction machines, 250 hp (200 kW) and above.

Single copy price: \$77.00 (IEEE Members); \$96.00 (Non-members)

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

BSR/IEEE 671-1985 (R200x), Standard Specification Format Guide and Test Procedure for Nongyroscopic Inertial Angular Sensors: Jerk, Acceleration, Velocity, and Displacement (reaffirmation of ANSI/IEEE 671-1985 (R2003))

Defines the requirements and test procedures for a [single, multi-] axis nongyroscopic angular [jerk, acceleration, velocity, displacement] sensor. The output is [an analog electrical signal, a digital electrical pulse train] proportional to angular [jerk, acceleration, velocity, displacement].

Single copy price: \$73.00 (IEEE Members); \$91.00 (Non-members)

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

BSR/IEEE 952-1997 (R200x), Standard Specification Format Guide and Test Procedure for Single-Axis Interferometric Fiber Optic Gyros (reaffirmation of ANSI/IEEE 952-1997 (R2003))

Provides specification and test requirements for a single-axis interferometric fiber optic gyro (IFOG) for use as a sensor in attitude control systems, angular displacement measuring systems, and angular rate measuring systems. A standard specification format guide for the preparation of a single-axis IFOG is provided.

Single copy price: \$90.00 (IEEE Members); \$112.00 (Non-members)

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

BSR/IEEE 1293-2003 (R200x), Standard Specification Format Guide and Test Procedure for Linear, Single-Axis, Nongyroscopic Accelerometers (reaffirmation of ANSI/IEEE 1293-2003)

Defines the specification and test requirements for a linear, single-axis, nongyroscopic accelerometer for use in inertial navigation, guidance, and leveling systems. A standard specification format guide and a compilation of recommended test procedures for such accelerometers are provided.

Single copy price: \$111.00 (IEEE Members); \$139.00 (Non-members)

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

BSR/IEEE 1394.3-2003 (R200x), Standard for a High Performance Serial Bus Peer-to-Peer Data Transport Protocol (PPDT) (reaffirmation of ANSI/IEEE 1394.3-2003)

Defines a peer-to-peer data transport (PPDT) protocol between Serial Bus devices that implement Serial Bus Protocol 2 (SBP-2). The facilities specified include device and service discovery, self-configurable (plug and play) binding, and connection management.

Single copy price: \$61.00 (IEEE Members); \$77.00 (Non-members)

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

BSR/IEEE 1402-2000 (R200x), Guide for Electric Power Substation Physical and Electronic Security (reaffirmation of ANSI/IEEE 1402-2000)

Identifies and discusses security issues related to human intervention during the construction, operation (except for natural disasters), and maintenance of electric power supply substations. This standard also documents methods and designs to mitigate intrusions.

Single copy price: \$68.00 (IEEE Members); \$85.00 (Non-members)

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

BSR/IEEE 1474.2-2003 (R200x), Standard for User Interface Requirements in Communications-Based Train Control (CBTC) Systems (reaffirmation of ANSI/IEEE 1474.2-2003)

Establishes user interface requirements in CBTC systems.

Single copy price: \$55.00 (IEEE Members); \$72.00 (Non-members)

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

BSR/IEEE 1515-2000 (R200x), Recommended Practice for Electronic Power Subsystems: Parameter Definitions, Test Conditions, and Test Methods (reaffirmation of ANSI/IEEE 1515-2000)

Provides a standard specification language for common parameters used to characterize the performance of electronic power distribution subsystem elements. Specifically, these are parameters relating to the integration of power supplies into electronic power distribution subsystems.

Single copy price: \$78.00 (IEEE Members); \$98.00 (Non-members)

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

BSR/IEEE 1536-2002 (R200x), Standard for Rail Transit Vehicle Battery Physical Interface (reaffirmation of ANSI/IEEE 1536-2002)

Prescribes the maximum dimensional requirements of each battery tray for a specific number of cells and battery capacity or performance rating. The battery hardware requirement and battery compartment are also prescribed in this standard.

Single copy price: \$68.00 (IEEE Members); \$85.00 (Non-members)

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

BSR/IEEE 1570-2002 (R200x), Standard for the Interface between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection (reaffirmation of ANSI/IEEE 1570-2002)

Defines the logical and physical interfaces and the performance attributes for the interface between the rail subsystem and the highway subsystem at a highway-rail intersection.

Single copy price: \$79.00 (IEEE Members); \$99.00 (Non-members)

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

BSR/IEEE C62.41.1-2002 (R200x), Guide on the Surge Environment in Low-Voltage (1000 V and Less) AC Power Circuits (reaffirmation of ANSI/IEEE C62.41.1-2002)

Describes the surge voltage, surge current, and temporary overvoltages (TOV) environment in low-voltage [up to 1000 V root mean square (rms)] ac power circuits. This scope does not include other power disturbances, such as notches, sags, and noise.

Single copy price: \$106.00 (IEEE Members); \$123.00 (Non-members)

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

BSR/IEEE C62.45-2002 (R200x), Recommended Practice on Surge Testing for Equipment Connected to Low-Voltage (1000 V and Less) AC Power Circuits (reaffirmation of ANSI/IEEE C62.45-2002)

Describes the performance of surge testing on electrical and electronic equipment connected to low-voltage ac power circuits, specifically using the recommended test waveforms defined in IEEE Std C62.41.299-2002.1 Nevertheless, these recommendations are applicable to any surge testing, regardless of the specific surges that may be applied.

Single copy price: \$81.00 (IEEE Members); \$102.00 (Non-members)

Order from: IEEE Customer Service; Phone: +1-800-678-4333;  
Fax: +1-732-981-9667; Online: <http://shop.ieee.org/ieeestore/>

Send comments (with copy to BSR) to: Moira Patterson, (732) 562-3809, [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

## 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:

### UL (Underwriters Laboratories, Inc.)

BSR/UL 2255-200x, Standard for Safety for Receptacle Closures (revision of ANSI/UL 2255-2006)

## Technical Reports Registered with ANSI

Technical Reports Registered with ANSI are not consensus documents. Rather, all material contained in Technical Reports Registered with ANSI 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.

Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to the PSA Center, American National Standards Institute, 25 West 43rd Street, New York, NY 10036 or E-Mail to [psa@ansi.org](mailto:psa@ansi.org).

### **Comment Deadline: February 8, 2009**

#### **ASC X9 (Accredited Standards Committee X9, Incorporated)**

BSR X9 TR-31 Supplement-200x, Supplement - Interoperable Secure Key Exchange Key Block Specification for Symmetric Algorithms (TECHNICAL REPORT) (technical report)

Contains clarifications to the proper usage of keys utilized to protect the key block defined in TR-31. TR-31 should be read with these clarifications taken into account.

Single copy price: Free

Order from: Janet Busch, ASC X9; [janet.busch@x9.org](mailto:janet.busch@x9.org)

Send comments (with copy to BSR) to: Same

# Call for Comment Contact Information

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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  
1110 N Glebe Road  
Suite 220  
Arlington, VA 22201  
Phone: (703) 525-4890, x215  
Fax: (703) 276-0793  
Web: [www.aami.org](http://www.aami.org)

### **ABYC**

American Boat and Yacht Council  
613 Third Street  
Suite 10  
Annapolis, MD 21403  
Phone: (410) 990-4460  
Fax: (410) 990-4466  
Web: [www.abycinc.org/index.cfm](http://www.abycinc.org/index.cfm)

### **ASC X9**

Accredited Standards Committee  
X9, Incorporated  
1212 West Street, Suite 200  
Annapolis, MD 21401  
Phone: (410) 267-7707  
Fax: (410) 267-0961  
Web: [www.x9.org](http://www.x9.org)

### **ASME**

American Society of Mechanical  
Engineers  
3 Park Avenue, 20th Floor (20N2)  
New York, NY 10016  
Phone: (212) 591-8521  
Fax: (212) 591-8501

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

### **BICSI**

NECA  
3 Bethesda Metro Center  
Bethesda, MD 20814  
Phone: (301) 657-3110  
Fax: (301) 215-4500

### **comm2000**

1414 Brook Drive  
Downers Grove, IL 60515

### **ESTA**

Entertainment Services and  
Technology Association  
875 Sixth Avenue, Suite 1005  
New York, NY 10001  
Phone: (212) 244-1505  
Fax: (212) 244-1502  
Web: [www.esta.org](http://www.esta.org)

### **Global Engineering Documents**

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

### **HPS (ASC N13)**

Health Physics Society  
1313 Dolley Madison Blvd  
Suite 402  
McLean, VA 22101  
Phone: (703) 790-1745  
Fax: (703) 790-2672  
Web:  
[www.hps.org/hpspublications/standards.html](http://www.hps.org/hpspublications/standards.html)

### **IEEE**

Institute of Electrical and  
Electronics Engineers (IEEE)  
445 Hoes Lane, P.O. Box 1331  
Piscataway, NJ 08855-1331  
Phone: (732) 562-3809  
Fax: (732) 796-6966  
Web: [www.ieee.org](http://www.ieee.org)



## Send comments to:

### AAMI

Association for the Advancement  
of Medical Instrumentation  
1110 N Glebe Road  
Suite 220  
Arlington, VA 22201  
Phone: (703) 525-4890, x215  
Fax: (703) 276-0793  
Web: [www.aami.org](http://www.aami.org)

### ABYC

American Boat and Yacht Council  
613 Third Street, Suite 10  
Annapolis, MD 21403  
Phone: (410) 990-4460  
Fax: (410) 990-4466  
Web: [www.abycinc.org/index.cfm](http://www.abycinc.org/index.cfm)

### ASC X9

Accredited Standards Committee  
X9, Incorporated  
1212 West Street, Suite 200  
Annapolis, MD 21401  
Phone: (410) 267-7707  
Fax: (410) 267-0961  
Web: [www.x9.org](http://www.x9.org)

### ASME

American Society of Mechanical  
Engineers (ASME)  
3 Park Avenue, 20th Floor  
New York, NY 10016  
Phone: (212) 591-7881  
Fax: (212) 591-8501  
Web: [www.asme.org](http://www.asme.org)

### BICSI

NECA  
3 Bethesda Metro Center  
Bethesda, MD 20814  
Phone: (301) 657-3110  
Fax: (301) 215-4500

### ESTA

Entertainment Services and  
Technology Association  
875 Sixth Avenue, Suite 1005  
New York, NY 10001  
Phone: (212) 244-1505  
Fax: (212) 244-1502  
Web: [www.esta.org](http://www.esta.org)

### HPS (ASC N13)

Health Physics Society  
1313 Dolley Madison Blvd  
Suite 402  
McLean, VA 22101  
Phone: (703) 790-1745  
Fax: (703) 790-2672  
Web:  
[www.hps.org/hpspublications/  
standards.html](http://www.hps.org/hpspublications/standards.html)

### IEEE

Institute of Electrical and  
Electronics Engineers (IEEE)  
445 Hoes Lane, P.O. Box 1331  
Piscataway, NJ 08855-1331  
Phone: (732) 562-3809  
Fax: (732) 796-6966  
Web: [www.ieee.org](http://www.ieee.org)

### NGA

National Glass Association  
8200 Greensboro Dr., Ste. 302  
McLean, VA 22102  
Phone: (717) 932-6885  
Fax: (717) 932-6885  
Web: [www.glass.org](http://www.glass.org)

### NSF

NSF International  
789 Dixboro Road  
Ann Arbor, MI 48105  
Phone: (734) 827-6819  
Fax: (734) 827-7875  
Web: [www.nsf.org](http://www.nsf.org)

### SCTE

Society of Cable  
Telecommunications Engineers  
140 Phillips Road  
Exton, PA 19341  
Phone: (610) 524-1725, x204  
Fax: (610) 363-5898  
Web: [www.scte.org](http://www.scte.org)

### UL

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

### UL-CA

Underwriters Laboratories, Inc.  
455 E Trimble Road  
San Jose, CA 95131-1230  
Phone: (408) 754-6618  
Fax: (408) 689-6618

# Call for Members (ANS Consensus Bodies)

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

---

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

**Office:** 1110 N Glebe Road  
Suite 220  
Arlington, VA 22201

**Contact:** *Hillary Woehrle*

**Phone:** (703) 525-4890 x215

**Fax:** (703) 276-0793

**E-mail:** hwoehrle@aami.org

BSR/AAMI/ISO 13485-2003 (R200x), Medical devices - Quality management systems - Requirements for regulatory purposes (reaffirmation of ANSI/AAMI/ISO 13485-2003)

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

**Office:** 1250 Eye Street, NW  
Suite 200  
Washington, DC 20005-3922

**Contact:** *Deborah Spittle*

**Phone:** (202) 626-5746

**Fax:** (202) 638-4922

**E-mail:** dspittle@itic.org

BSR/INCITS/ISO/IEC 14496-10-200x, Information technology - Coding of audio-visual objects - Part 10: Advanced video coding (identical national adoption of ISO/IEC 14496-10:2008)

## **NECA (National Electrical Contractors Association)**

**Office:** 3 Bethesda Metro Center  
Bethesda, MD 20814

**Contact:** *Nicholas Daly*

**Phone:** (301) 657-3110

**Fax:** (301) 215-4500

**E-mail:** nick.daly@necanet.org

BSR/NECA 169-200x, Standard for Installing and Maintaining Arc-Fault Circuit Interrupters (AFCIs) and Ground-Fault Circuit Interrupters (GFCIs) (new standard)

## **SSFI (Scaffolding, Shoring & Forming Institute)**

**Office:** 1300 Sumner Avenue  
Cleveland, OH 44115-2851

**Contact:** *Christopher Johnson*

**Phone:** (216) 241-7333

**Fax:** (216) 241-0105

**E-mail:** cjohnson@thomasamc.com; jboyle@thomasamc.com

BSR/SSFI SPS 1.1-200x, Standard Requirements and Test Methods for Testing and Rating Portable Rigging Devices for Suspended Scaffold (revision of ANSI/SSFI SPS 1.1-2003)

BSR/SSFI SPS 2.1-200x, Standard Requirements for Testing and Rating Multiple Point Suspended Scaffold Platforms with Hinged Connections (new standard)

BSR/SSFI SPS 3.1-200x, Standard Requirements for Testing of Corner Sections Used with Suspended Platforms (new standard)

BSR/SSFI SC 100-200x, Standards for Testing and Rating Scaffold Assemblies and Components (revision of ANSI/SSFI SC 100-2005)

# 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.

## Corrections

### Incorrect Designation

#### INCITS/ISO/IEC 14496-1-2004

In the Final Actions section of the July 13, 2007 issue of Standards Action, INCITS/ISO/IEC 14496-1-2004 was listed with an incorrect designation. The correct listing is as follows:

INCITS/ISO/IEC 14496-1-2004, Information technology - Coding of audio-visual objects - Part 1: Systems (adoption of an identical international standard and revision of INCITS/ISO/IEC 14496-1-2001, INCITS/ISO/IEC 14496-1-2001/AM1-2001, and INCITS/ISO/IEC 14496-1-2001 AMENDMENT 4-2003)

### Incorrect Designation and Status

#### ANSI/UL 1478-2004 (R2008)

In the Final Actions section of the December 12, 2008 issue of Standards Action, ANSI/UL 1478-2004 (R2008) had an incorrect designation and an incorrect status statement. The correct listing is as follows:

ANSI/UL 1478-2004 (R2008), Fire Pump Relief Valves (Proposal dated August 15, 2008) (reaffirmation of ANSI/UL 1478-2004): 10/30/2008

### Incorrect Designations and Status

#### ANSI/ABMA 12.1 and ANSI/ABMA 12.2

In the Final Actions section of the December 26, 2008 issue of Standards Action, ANSI/ABMA 12.1 and ANSI/ABMA 12.2 were listed as reaffirmations of 1992 standards. However, the 1992 standards had already been administratively withdrawn and the standards should have been designated and listed as new standards. The correct listings are as follows:

ANSI/ABMA 12.1-2008, Instrument Ball Bearings - Metric Design (new standard): 12/17/2008

ANSI/ABMA 12.2-2008, Instrument Ball Bearings - Inch Design (new standard): 12/17/2008

# Project Initiation Notification System (PINS)

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

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

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

## ASTM (ASTM International)

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

**Contact:** Jeff Richardson

**Fax:** (610) 834-7067

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

BSR/ASTM WK11237-200x, New Standard Specification for Polyethylene (PE) Corrugated Wall Chambers for Use in Drainage and Wastewater Disposal Absorption Fields (new standard)  
Stakeholders: Plastic piping systems industry.

Project Need:  
<http://www.astm.org/DATABASE.CART/WORKITEMS/WK11237.htm>

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK11237.htm>

BSR/ASTM WK21465-200x, New Test Method for Measurement of Antioxidant Content in Medium to High Temperature Greases by Linear Sweep Voltammetry (new standard)  
Stakeholders: Petroleum products and lubricants industry.

Project Need:  
<http://www.astm.org/DATABASE.CART/WORKITEMS/WK21465.htm>

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK21465.htm>

## CGA (Compressed Gas Association)

**Office:** 4221 Walney Rd., 5th Floor  
Chantilly, VA 20151

**Contact:** Christopher Carnahan

**Fax:** (703) 961-1831

**E-mail:** [ccarnahan@cganet.com](mailto:ccarnahan@cganet.com)

BSR/CGA G-2.1-200x, Safety Requirements for the Storage and Handling of Anhydrous Ammonia (ANSI K61.1) (revision and redesignation of ANSI K61.1 (CGA G-2.1)-1999)

Stakeholders: Ammonia producers, ammonia equipment suppliers, ammonia distributors and repackagers, users.

Project Need: To update ANSI/CGA G-2.1-1999 to include anhydrous ammonia storage requirements.

Includes standards for the location, design, construction, and operation of anhydrous ammonia systems. Sections on refrigerated storage systems, systems mounted on farm vehicles, tank motor vehicles, and tank railcars for transportation purposes are included. This standard does not apply to ammonia manufacturing plants or refrigerating or air-conditioning systems.

## IEEE (Institute of Electrical and Electronics Engineers)

**Office:** 445 Hoes Lane, P.O.Box 1331  
Piscataway, NJ 08855-1331

**Contact:** Moira Patterson

**Fax:** (732) 796-6966

**E-mail:** [m.patterson@ieee.org](mailto:m.patterson@ieee.org)

BSR/IEEE 1003.1-200x, Information Technology - Portable Operating System Interface (POSIX (R)) (revision of ANSI/IEEE 1003.1-2002)  
Stakeholders: The IT industry at large, as these are foundation standards for many operating systems.

Project Need: To address problems identified during the lifetime of the current document.

Defines a standard operating system interface and environment, including a command interpreter (or "shell"), and common utility programs to support applications portability at the source code level.

BSR/IEEE 1625-200x, Standard for Rechargeable Batteries for Multi-Cell Mobile Computing Devices (revision of ANSI/IEEE 1625-2004)

Stakeholders: Designers/manufacturers/suppliers of the portable computing battery subsystems.

Project Need: To enable consistent battery cell, battery pack, and host device design methodology so that the risk of field failures is minimized; resulting in greater end-user satisfaction and reliability of products.

Establishes criteria for design analysis for qualification, quality, and reliability of rechargeable battery systems for multi-cell mobile computing devices. This standard also provides methods for

quantifying the operational performance of these batteries and their associated management and control systems including considerations for end-user notification.

BSR/IEEE C57.12.51-200x, Standard for Ventilated Dry-Type Power Transformers, 501 kVA and Larger, Three-Phase, with High-Voltage 601 to 34500 Volts; Low-Voltage 208Y/120 to 4160 Volts - General Requirements (new standard)

Stakeholders: Consultants and engineers preparing specifications for end users, and equipment manufacturers.

Project Need: To update references and cited editions and to make any editorial and technical corrections and additions, as required.

Sets forth characteristics relating to performance, limited electrical and mechanical interchangeability, and safety of the equipment described, and assists in the proper selection of such equipment.

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

**Office:** 1250 Eye Street, NW  
Suite 200  
Washington, DC 20005-3922

**Contact:** *Deborah Spittle*

**Fax:** (202) 638-4922

**E-mail:** [dspittle@itic.org](mailto:dspittle@itic.org)

BSR/INCITS/ISO/IEC 14496-10-200x, Information technology - Coding of audio-visual objects - Part 10: Advanced video coding (identical national adoption of ISO/IEC 14496-10:2008)

Stakeholders: ICT industry.

Project Need: To adopt this International Standard, which will be beneficial to the ICT Industry.

Specifies advanced video coding for the coding of audio-visual objects.

**ITSDF (Industrial Truck Standards Development Foundation, Inc.)**

**Office:** 1750 K Street NW Suite 460  
Washington, DC 20006

**Contact:** *Chris Merther*

**Fax:** (202) 478-7599

**E-mail:** [cmerther@earthlink.net](mailto:cmerther@earthlink.net)

BSR/ITSDF B56.11.1-200x, Double Race or Bi-Level Swivel and Rigid Industrial Casters (revision of ANSI/ITSDF B56.11.1-2005)

Stakeholders: Users and manufacturers of powered industrial trucks.

Project Need: To update the current standard.

Establishes dimensional standards for double race or bi-level swivel and rigid industrial casters in order to provide for the overall interchangeability of a complete caster.

**SSFI (Scaffolding, Shoring & Forming Institute)**

**Office:** 1300 Sumner Avenue  
Cleveland, OH 44115-2851

**Contact:** *Christopher Johnson*

**Fax:** (216) 241-0105

**E-mail:** [cjohnson@thomasamc.com](mailto:cjohnson@thomasamc.com); [jboyle@thomasamc.com](mailto:jboyle@thomasamc.com)

BSR/SSFI SPS 1.1-200x, Standard Requirements and Test Methods for Testing and Rating Portable Rigging Devices for Suspended Scaffold (revision of ANSI/SSFI SPS 1.1-2003)

Stakeholders: Manufacturers, purchasers, and users of portable rigging devices for suspended scaffolds.

Project Need: To update information and include new test methods.

Establishes methods for testing and rating portable rigging devices used to support transportable suspended scaffolds for construction, alteration, demolition, and maintenance of buildings or structures.

BSR/SSFI SPS 2.1-200x, Standard Requirements for Testing and Rating Multiple Point Suspended Scaffold Platforms with Hinged Connections (new standard)

Stakeholders: Manufacturers, purchasers, and users.

Project Need: These products are not currently addressed in another standard, and interested parties will benefit through standardized means of testing and rating.

Covers platforms and modular stage platforms used for suspended scaffolds with more than two suspension points arranged in a straight line. Platforms are in accordance with ANSI/UL 1322.

BSR/SSFI SPS 3.1-200x, Standard Requirements for Testing of Corner Sections Used with Suspended Platforms (new standard)

Stakeholders: Manufacturers, purchasers, and users of corner sections used with suspended platforms.

Project Need: These products are not currently addressed in another standard, and interested parties will benefit through standardized means of testing and rating.

Contains procedures for testing corner adapters that are typically used in a variety of platform configurations including two-legged "L"-shaped platforms, "U"-shaped platforms, and different circular platforms for use inside or outside of tanks

BSR/SSFI SC 100-200x, Standards for Testing and Rating Scaffold Assemblies and Components (revision of ANSI/SSFI SC 100-2005)

Stakeholders: Manufacturers, purchasers, and users of scaffold assemblies and components.

Project Need: To update information and include new test methods.

Contains procedures for testing and rating scaffold components and assemblies.

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

**Office:** 333 Pfingsten Road  
Northbrook, IL 60062-2096

**Contact:** *Beth Northcott*

**Fax:** (847) 313-3198

**E-mail:** [Elizabeth.Northcott@us.ul.com](mailto:Elizabeth.Northcott@us.ul.com)

BSR/UL 60745-2-16-200x, Hand-Held Motor-Operated Electric Tools - Safety - Part 2-16: Particular Requirements Tackers (new standard)

Stakeholders: Tool industry, tacker industry, consumers.

Project Need: To establish an ANSI-approved standard for tackers.

Applies to tackers intended for general use. This standard does not apply to tackers intended for industrial production applications.

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

**Office:** 455 E. Trimble Rd.  
San Jose, CA 95131

**Contact:** *Derrick Martin*

**Fax:** (408) 689-6656

**E-mail:** [Derrick.L.Martin@us.ul.com](mailto:Derrick.L.Martin@us.ul.com)

BSR/UL 203A-200x, Standard for Safety for Sway Brace Devices for System Sprinkler Piping (new standard)

Stakeholders: Authorities having jurisdiction, building contractors, building inspectors, fire sprinkler system contractors.

Project Need: To obtain national recognition of a standard covering sway brace devices for system sprinkler piping.

Covers sway brace devices intended to protect sprinkler system piping in locations subject to earthquakes. These devices are intended for installation in accordance with the Standard for Installation of Sprinkler Systems, NFPA 13.

# American National Standards Maintained Under Continuous Maintenance

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

Continuous maintenance is defined as follows:

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

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

- AAMI
- AAMVA
- AGA
- AGRSS, Inc.
- ASHRAE
- ASME
- ASTM
- GEIA
- MHI (ASC MH10)
- NBBPVI
- NCPDP
- NISO
- NSF
- TIA
- Underwriters Laboratories, Inc. (UL)

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

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



# ISO Draft International Standards

This section lists proposed standards that the International Organization for Standardization (ISO) is considering for approval. The proposals have received substantial support within the technical committees or subcommittees that developed them and are now being circulated to ISO 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. The final date for offering comments is listed after each draft.

## Ordering Instructions

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

### **APPLICATIONS OF STATISTICAL METHODS (TC 69)**

ISO 3951-2/DAmD1, Sampling procedures for inspection by variables - Part 2: General specification for single sampling plans indexed by acceptance quality limit (AQL) for lot-by-lot inspection of independent quality characteristics - Amendment 1 - 3/20/2009, \$29.00

### **BUILDING CONSTRUCTION (TC 59)**

ISO/DIS 29481-1, Building information models - Information delivery manual - Part 1: Methodology and format - 3/23/2009, \$102.00

### **LABORATORY GLASSWARE AND RELATED APPARATUS (TC 48)**

ISO/DIS 4787, Laboratory glassware - Volumetric instruments - Methods for testing of capacity and for use - 3/19/2009, \$82.00

### **MECHANICAL VIBRATION AND SHOCK (TC 108)**

ISO 10816-1/DAmD1, Mechanical vibration - Evaluation of machine vibration by measurements on non-rotating parts - Part 1: General guidelines - Amendment 1 - 3/23/2009, \$33.00

### **PLASTICS (TC 61)**

ISO/DIS 1043-1, Plastics - Symbols and abbreviated terms - Part 1: Basic polymers and their special characteristics - 3/19/2009, \$71.00

ISO/DIS 1043-2, Plastics - Symbols and abbreviated terms - Part 2: Fillers and reinforcing materials - 3/19/2009, \$33.00

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

ISO/DIS 11237, Rubber hoses and hose assemblies - Compact wire-braid-reinforced hydraulic types for oil-based or water-based fluids - Specification - 3/23/2009, \$58.00

### **SAFETY OF MACHINERY (TC 199)**

ISO 11161/DAmD1, Safety of machinery - Integrated manufacturing systems - Basic requirements - Amendment 1 - 3/19/2009, \$33.00

### **TECHNICAL SYSTEMS AND AIDS FOR DISABLED OR HANDICAPPED PERSONS (TC 173)**

ISO/DIS 7176-9, Wheelchairs - Part 9: Climatic tests for electric wheelchairs - 3/23/2009, \$53.00

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

ISO/IEC DIS 19500-2, Information technology - Open distributed processing - Common Object Request Broker Architecture (CORBA) specification - Part 2: Interoperability - 4/23/2009, \$215.00

ISO/IEC DIS 19500-1, Information technology - Open distributed processing - Common Object Request Broker Architecture (CORBA) specification - Part 1: CORBA interfaces - 4/23/2009, \$281.00

ISO/IEC DIS 19500-3, Information technology - Open distributed processing - Common Object Request Broker Architecture (CORBA) specification - Part 3: Components - 4/23/2009, \$245.00

# Proposed Foreign Government Regulations

## Call for Comment

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

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

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

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



# Information Concerning

## American National Standards

### INCITS Executive Board

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

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

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

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

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

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

## Tentative Interim Amendments

### ANSI/IAPMO UPC 1-2009, Uniform Plumbing Code

#### Comment Deadline: Friday, January 9, 2009

The following Tentative Interim Amendments to the Uniform Plumbing Code, UPC 1-2009, are available for public review:

1. TIA UPC 001-09 revises text in Sections 211.0, and 405.2
2. TIA UPC 003-09 revises text in IAPMO Installation Standard 07-2008

Copies may be obtained from:

Lynne Simnick  
Director of Code Development,  
IAPMO  
5001 E. Philadelphia Street  
Ontario, CA 91761  
Phone: (909) 472-4110  
E-mail: [lynne.simnick@iapmo.org](mailto:lynne.simnick@iapmo.org)

## ANSI Accredited Standards Developers

### Application for Accreditation

#### National Marine Electronics Association (NMEA)

#### Comment Deadline: February 9, 2009

The National Marine Electronics Association (NMEA), a new ANSI Organizational Member in 2008, has submitted an application for accreditation as an ANSI Accredited Standards Developer and proposed operating procedures for documenting consensus on proposed American National Standards. NMEA's proposed new scope of standards activity is as follows:

National Marine Electronics Association (NMEA) is a 50 year old membership driven association. The association began with marine electronic dealers collaborating to trade information, technical installation techniques and to discuss new and innovative technical products. Now, NMEA has over 500 members worldwide comprised of diverse stakeholders directly and indirectly involved in marine electronics. This diverse group includes marine electronic dealers/retailers, marine industry distributors, manufacturers, boat builders, trade, government entities and associates of the marine electronics industry.

The National Marine Electronics Association is the unifying force behind the entire marine electronics industry worldwide, bringing together all aspects of the industry for the manufacture and operational safety of electronics devices for the boating public both recreationally and commercially with the creation, production and distribution of international communication standards and installation standards. NMEA further enhances the industry with educational programming for the trade and opportunities for the boating public.

The NMEA develops voluntary industry standards recommending technical installation practices, communication protocols of marine electronic devices and educational materials which ultimately provide a high level of safety to the boating consumer in the recreational and commercial markets, worldwide. NMEA Standards are designed to establish a minimum level of quality for marine electronic devices on vessels.

To obtain a copy of NMEA's proposed operating procedures, or to offer comments, please contact: Mr. Steve Spitzer, Technical Director, National Marine Electronics Association, 7 Riggs Avenue, Severna Park, MD 21146; PHONE: (410) 975-9425; FAX: (410) 975-9450; E-mail: [sspitzer@nmea.org](mailto:sspitzer@nmea.org). Please submit your comments to NMEA by February 9, 2009, with a copy to the Recording Secretary, ExSC in ANSI's New York Office (FAX: (212) 840-2298; E-mail: [jthompso@ANSI.org](mailto:jthompso@ANSI.org)). As the proposed procedures are available electronically, the public review period is 30 days. You may view or download a copy of NMEA's proposed operating procedures from ANSI Online during the public review period at the following URL:

<http://publicaa.ansi.org/sites/apdl/Documents/Forms/AllItems.aspx?RootFolder=%2fsites%2fapdl%2fDocuments%2fStandards%20Activities%2fPublic%20Review%20and%20Comments%2fANSI%20Accreditation%20Actions&View=%7b21C60355%2dAB17%2d4CD7%2dA090%2dBABEEC5D7C60%7d>.

## Call for Members

### NSF International

NSF is seeking experts to serve on various NSF Joint Committees. Members provide technical guidance, review and vote on revisions to NSF/ANSI Standards, and address public health and safety issues. Members are needed to represent Users, Public Health and Safety/Regulatory and Industry stakeholders; and are defined below.

**User** is a person outside the manufacturing sector who purchases, uses, or specifies materials, products, systems, or services covered in the various scopes of the NSF/ANSI Standards.

**Public Health and Safety/Regulatory** is a person from a public agency (local, regional, state, federal, or international) or represents a professional public/environmental health/safety organization, academia, or a model code organization.

**Industry** is a person who produces, assembles, distributes, or sells materials, products, systems, or services covered in the scope of the standard. Industry trade association representatives are included in this membership classification.

There are currently openings on the following committees:

- User, and Public Health and Safety/Regulatory members for the NSF Joint Committee on Resilient Flooring, NSF/Draft Standard 332.

Interested parties should contact Mindy Costello, NSF International, at (734) 827-6819 or [mcostello@nsf.org](mailto:mcostello@nsf.org). Joint Committee members need only fit the interest categories, and membership is not limited to NSF or ANSI members.

### Steel Joist Institute

The Steel Joist Institute is seeking Consensus Committee members to review the upcoming revised ANSI standards SJI K-1.1, SJI LH/DLH-1.1, SJI JG 1.1, SJI CJ 1.0, SJI COSP 1.0, and SJI CJCOSP 1.0, as announced in Standards Action, July 20, 2007. The revised standards are scheduled for Public Review during the first half of 2009, and SJI is seeking interested parties to participate in review and balloting for ANSI accreditation.

#### Scope of Standards

General Revisions to existing standards K 1.1-2004, LH/DLH 1.1-2005, JG 1.1-2005, CJ 1.0-2006, CJCOSP-1.0-2006, and creation of a new Standard COSP-1.0-200x

#### Description of the Standards

This standard covers the design, manufacture and use of Shortspan K-Series joists, Longspan LH/DLH-Series joists, Joist Girders JG-Series, and Composite Joists CJ-Series, and the Code of Standard Practice for all series.

For further information, please contact Robert R. Hackworth, Managing Director, Steel Joist Institute, 1173 B London Links Drive, Forest, VA 24551, (434) 525-7377 or FAX (434) 525-7747, E-mail: [sji@steeljoist.org](mailto:sji@steeljoist.org).

## Reaccreditation

### National Fire Protection Association (NFPA)

#### Comment Deadline: February 2, 2009

The National Fire Protection Association (NFPA), an ANSI Organizational Member, has submitted limited revisions to its Regulations Governing Committee Projects, under which it was last reaccredited in 2008. As these revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of NFPA's revised regulations, or to offer comments, please contact: Ms. Amy Beasley Spencer, Division Manager, Codes and Standards Administration and Secretary, Standards Council, NFPA, One Batterymarch Park, Quincy, MA 02169-7471; PHONE: (617) 770-3000; E-mail: [mmaynard@nfpa.org](mailto:mmaynard@nfpa.org). You may view/download a copy of the revisions during the public review period at the following URL:

<http://publicaa.ansi.org/sites/apdl/Documents/Forms/AllItems.aspx?RootFolder=%2fsites%2fapdl%2fDocuments%2fStandards%20Activities%2fPublic%20Review%20and%20Comments%2fANSI%20Accreditation%20Actions&View=%7b21C60355%2dAB17%2d4CD7%2dA090%2dBABEEC5D7C60%7d>. As these revisions are available electronically, the public review period is 30 days. Please submit your comments to NFPA by February 9, 2009, 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 212 – Clinical Laboratory Testing and in vitro Diagnostic Test Systems

ANSI has been informed by the Clinical and Laboratory Standards Institute (CLSI), the ANSI delegated Secretariat of ISO/TC 212, Clinical Laboratory testing and in vitro diagnostic test systems, that they wish to relinquish the delegation of the secretariat of the ISO Technical Committee.

The scope of ISO/TC 212 is as follows:

Standardization and guidance in the field of laboratory medicine and in vitro diagnostic test systems. This includes, for example, quality management, pre- and post-analytical procedures, analytical performance, laboratory safety, reference systems and quality assurance.

#### Excluded:

- generic quality management standards dealt with by ISO/TC 176;
- quality management standards for medical devices dealt with by ISO/TC 210;
- reference materials guidelines dealt with by the ISO Committee on Reference Materials (REMCO);
- conformity assessment guidelines dealt with by the ISO Committee on Conformity assessment (CASCO).

Information concerning the United States retaining the role of international secretariat may be obtained by contacting Rachel Howenstine, ANSI, [rhowenstine@ansi.org](mailto:rhowenstine@ansi.org), for further information.

## Relinquishment of International (ISO) Secretariat

**Comment Deadline: January 22, 2009**

### ISO/TC 67 - Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries

ANSI has been advised by the American Petroleum Institute (API), that they no longer wish to serve as delegated secretariat for ISO/TC 67.

The scope of the ISO/TC 67 is as follows:

Standardization of the materials, equipment and offshore structures used in the drilling, production, transport by pipelines and processing of liquid and gaseous hydrocarbons within the petroleum, petrochemical and natural gas industries.

Excluded: aspects of offshore structures subject to IMO requirements (ISO/TC 8).

Should Henrietta Scully at ANSI ([hscully@ansi.org](mailto:hscully@ansi.org)) not receive any requests for the US retaining this International Secretariat by January 22, 2009, ANSI will advise ISO that the United States is relinquishing the secretariat of ISO/TC 67.

## Meeting Notices

### Review of recent ballot on AHRI Draft Standard 1230

The section's Engineering Committee will meet at AHRI beginning at 10:00 a.m. January 14, 2009. The purpose of the meeting is to review/resolve the comments received on the standard during the balloting which ended December 23, 2008. The vote tally was 9 in favor, 4 against.

For those who cannot attend at AHRI, you are encouraged to call in: Call (719) 785-1714 and enter the pass code 53237# when prompted.

### Meeting of the Ductless Equipment Section Engineering Committee

January 14, 2009

10:00 a.m. EST

AHRI

2111 Wilson Blvd.

Arlington, VA 22201

Room: TBA

For additional information, contact James Walters at [JWalters@ahrinet.org](mailto:JWalters@ahrinet.org).

### Spring ADA standards meetings in Chicago and Miami

#### ADA Standards Committee on Dental Informatics

The ADA Standards Committee on Dental Informatics will hold its next meetings Feb. 25 and March 2-3 at ADA Headquarters in Chicago. SCDI Working Group 12.1 for Application of the DICOM Standard to Dentistry will meet on February 25 and March 2. Other SCDI working groups will meet on March 2, and the SCDI plenary session will take place on March 3. For more information on this series of meetings, contact Paul Bralower at 1-312-587-4129, or e-mail [bralowerp@ada.org](mailto:bralowerp@ada.org).

#### ADA Standards Committee on Dental Products and the U.S. sub-TAGs for ISO TC 106 – Dentistry

The ADA Standards Committee on Dental Products and the U.S. Sub-TAGs for ISO TC 106 (Dentistry) will hold annual meetings on March 30-Apr. 1 at the Loews Miami Beach Hotel. Highlights will include the new member orientation session from 12 PM to 1 PM on March 30. The group will host a working lunch featuring the presentation of ADA SCDP/Sub-TAG 3 terminology agenda materials on March 31 from 12 p.m.-2 p.m. For more information on the ADA SCDP/U.S. Sub-TAG meetings, contact Becky Sarwate at 1-312-440-2533, or e-mail [sarwate@ada.org](mailto:sarwate@ada.org).

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Issue 62, Draft 1 (December 2008)

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## NSF/ANSI 50-2008

### Recreational Water Facilities

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## Annex N (normative)

### N.1 Test method for WQTDs

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#### N.1.1.3 Synthetic Pool Water Characteristics

Unless otherwise noted, testing at the following water conditions must be conducted due to specific water chemistry parameters and product related variables having an impact on results.

Note- These specifications only apply to parameters that are not being varied for test purposes.

- Alkalinity: 80-120 ppm as  $\text{CaCO}_3$  (Adjusted with  $\text{NaHCO}_3$ ) (Standard Method 2320B)
- Ca Hardness: 200-250 ppm  $\text{CaCO}_3$  (Adjusted with  $\text{CaCl}_2 \cdot \text{H}_2\text{O}$ ) (Standard Method 2340B)
- TDS: 1000-1500 ppm (Adjusted to this level with NaCl) (Standard Method 2540C)
- pH: 7.4-7.6 (Adjusted with acids or bases typically used in the industry) (Standard Method 4500H)

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### N.2 Stock Solution Preparation

1. Sodium Bicarbonate Solution: Dissolve 16.8 g of  $\text{NaHCO}_3$  in about 500 ml DI water and dilute to one liter. 10 ml of this solution added to one liter will result in alkalinity of 100 ppm as  $\text{CaCO}_3$ , *prior to pH adjustment*.
2. Calcium Chloride Solution: Dissolve 14.7 g  $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$  in about 500 ml DI water and dilute to one liter. 10 ml of this solution added to one liter will result in Ca hardness of 100 ppm as  $\text{CaCO}_3$ .
3. Sodium Chloride Solution: Dissolve 100 g NaCl in 500 ml DI water and dilute to one liter. Each ml added to one liter will increase TDS by 100 ppm.
4. Chlorine Stock Solution: Dilute 1 ml of Clorox bleach to 100 ml. Determine actual Chlorine concentration by dilution and amperometric titration or DPD methods (Standard Method 4500 CLG).
5. Ammonium Chloride solution-Dissolve 0.1 g  $\text{NH}_4\text{Cl}$  in 100 ml DI water.

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### N.3.2 pH Test Water

Add about 1 liter DI water to a two-liter volumetric flask. Add 20 ml  $\text{NaHCO}_3$  solution, 44 ml  $\text{CaCl}_2 \cdot \text{H}_2\text{O}$  solution and 14 ml NaCl solution and dilute to 2 liters. This solution will have approximately the following characteristics:

- Alkalinity-100 ppm as  $\text{CaCO}_3$  (Standard Method 2320B)
- Calcium Hardness-220 ppm as  $\text{CaCO}_3$  (Standard Method 2340B)
- TDS-1100 ppm (Standard Method 2540C)
- pH-8.3 (Standard Method 4500H)

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### N.4 Test Procedure- Free Chlorine

- Prepare two liters of test water. Adjust pH to 7.5 with 0.1 N HCl. Experimentally determine the amount of 1:100 bleach (sodium hypochlorite) solution that will provide free chlorine concentrations at the desired test levels in the test water.
- For each chlorine concentration to be tested (i.e. 2, 4, 5 ppm), prepare enough test solution to test the WQTD and verify the free chlorine content with either of the following Standard methods (4500 CLF or CLG):
  1. Spectrophotometer for use at a wavelength of 515 nm and providing a light path of 1 cm (0.4 in) or longer
  2. Filter Photometer equipped with a filter having maximum transmission in the wavelength range of 490 to 530 nm and providing a light path of 1 cm (0.4 in) or longer
- Record results from the above device and WQTD.
- Assess the results of testing based upon the resolution of the device.

### N.5 Test Procedure-Combined Chlorine

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- Use the Standard Method 4500 CLG or CLF method Hach Free Chlorine Accuvac vials to verify free Cl is less than 0.05 ppm. Use Standard Method 4500 CLG or CLF method Hach Total Chlorine Accuvac vials to confirm total chlorine concentration. Use the WQTD to determine combined chlorine and record both the Standard Method 4500 CLG or CLF method DR2000 (or equivalent method) results and the WQTD result.
- Assess the results of testing based upon the resolution of the device.

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## 2009 STANDARDS ACTION PUBLISHING SCHEDULE—VOLUME NO. 40

VOL. 40	Developer Submits Data to PSA Between these Dates		2009 Standards Action Date & Public Review Comment Deadline			
	Submit start (Tuesday)	Submit end (Monday)	SA Published (Friday)	30-day PR ends	45-day PR ends	60-day PR ends
1	12/16/2008	12/22/2008	<b>2-Jan</b>	2/1/2009	2/16/2009	3/3/2009
2	12/23/2008	12/29/2008	<b>9-Jan</b>	2/8/2009	2/23/2009	3/10/2009
3	12/30/2008	1/5/2009	<b>16-Jan</b>	2/15/2009	3/2/2009	3/17/2009
4	1/6/2009	1/12/2009	<b>23-Jan</b>	2/22/2009	3/9/2009	3/24/2009
5	1/13/2009	1/19/2009	<b>30-Jan</b>	3/1/2009	3/16/2009	3/31/2009
6	1/20/2009	1/26/2009	<b>6-Feb</b>	3/8/2009	3/23/2009	4/7/2009
7	1/27/2009	2/2/2009	<b>13-Feb</b>	3/15/2009	3/30/2009	4/14/2009
8	2/3/2009	2/9/2009	<b>20-Feb</b>	3/22/2009	4/6/2009	4/21/2009
9	2/10/2009	2/16/2009	<b>27-Feb</b>	3/29/2009	4/13/2009	4/28/2009
10	2/17/2009	2/23/2009	<b>6-Mar</b>	4/5/2009	4/20/2009	5/5/2009
11	2/24/2009	3/2/2009	<b>13-Mar</b>	4/12/2009	4/27/2009	5/12/2009
12	3/3/2009	3/9/2009	<b>20-Mar</b>	4/19/2009	5/4/2009	5/19/2009
13	3/10/2009	3/16/2009	<b>27-Mar</b>	4/26/2009	5/11/2009	5/26/2009
14	3/17/2009	3/23/2009	<b>3-Apr</b>	5/3/2009	5/18/2009	6/2/2009
15	3/24/2009	3/30/2009	<b>10-Apr</b>	5/10/2009	5/25/2009	6/9/2009
16	3/31/2009	4/6/2009	<b>17-Apr</b>	5/17/2009	6/1/2009	6/16/2009
17	4/7/2009	4/13/2009	<b>24-Apr</b>	5/24/2009	6/8/2009	6/23/2009
18	4/14/2009	4/20/2009	<b>1-May</b>	5/31/2009	6/15/2009	6/30/2009
19	4/21/2009	4/27/2009	<b>8-May</b>	6/7/2009	6/22/2009	7/7/2009
20	4/28/2009	5/4/2009	<b>15-May</b>	6/14/2009	6/29/2009	7/14/2009
21	5/5/2009	5/11/2009	<b>22-May</b>	6/21/2009	7/6/2009	7/21/2009
22	5/12/2009	5/18/2009	<b>29-May</b>	6/28/2009	7/13/2009	7/28/2009
23	5/19/2009	5/25/2009	<b>5-Jun</b>	7/5/2009	7/20/2009	8/4/2009
24	5/26/2009	6/1/2009	<b>12-Jun</b>	7/12/2009	7/27/2009	8/11/2009
25	6/2/2009	6/8/2009	<b>19-Jun</b>	7/19/2009	8/3/2009	8/18/2009
26	6/9/2009	6/15/2009	<b>26-Jun</b>	7/26/2009	8/10/2009	8/25/2009
27	6/16/2009	6/22/2009	<b>3-Jul</b>	8/2/2009	8/17/2009	9/1/2009
28	6/23/2009	6/29/2009	<b>10-Jul</b>	8/9/2009	8/24/2009	9/8/2009

## 2009 STANDARDS ACTION PUBLISHING SCHEDULE—VOLUME NO. 40

VOL. 40	Developer Submits Data to PSA Between these Dates		2009 Standards Action Date & Public Review Comment Deadline			
	Submit start (Tuesday)	Submit end (Monday)	SA Published (Friday)	30-day PR ends	45-day PR ends	60-day PR ends
29	6/30/2009	7/6/2009	<b>17-Jul</b>	8/16/2009	8/31/2009	9/15/2009
30	7/7/2009	7/13/2009	<b>24-Jul</b>	8/23/2009	9/7/2009	9/22/2009
31	7/14/2009	7/20/2009	<b>31-Jul</b>	8/30/2009	9/14/2009	9/29/2009
32	7/21/2009	7/27/2009	<b>7-Aug</b>	9/6/2009	9/21/2009	10/6/2009
33	7/28/2009	8/3/2009	<b>14-Aug</b>	9/13/2009	9/28/2009	10/13/2009
34	8/4/2009	8/10/2009	<b>21-Aug</b>	9/20/2009	10/5/2009	10/20/2009
35	8/11/2009	8/17/2009	<b>28-Aug</b>	9/27/2009	10/12/2009	10/27/2009
36	8/18/2009	8/24/2009	<b>4-Sep</b>	10/4/2009	10/19/2009	11/3/2009
37	8/25/2009	8/31/2009	<b>11-Sep</b>	10/11/2009	10/26/2009	11/10/2009
38	9/1/2009	9/7/2009	<b>18-Sep</b>	10/18/2009	11/2/2009	11/17/2009
39	9/8/2009	9/14/2009	<b>25-Sep</b>	10/25/2009	11/9/2009	11/24/2009
40	9/15/2009	9/21/2009	<b>2-Oct</b>	11/1/2009	11/16/2009	12/1/2009
41	9/22/2009	9/28/2009	<b>9-Oct</b>	11/8/2009	11/23/2009	12/8/2009
42	9/29/2009	10/5/2009	<b>16-Oct</b>	11/15/2009	11/30/2009	12/15/2009
43	10/6/2009	10/12/2009	<b>23-Oct</b>	11/22/2009	12/7/2009	12/22/2009
44	10/13/2009	10/19/2009	<b>30-Oct</b>	11/29/2009	12/14/2009	12/29/2009
45	10/20/2009	10/26/2009	<b>6-Nov</b>	12/6/2009	12/21/2009	1/5/2010
46	10/27/2009	11/2/2009	<b>13-Nov</b>	12/13/2009	12/28/2009	1/12/2010
47	11/3/2009	11/9/2009	<b>20-Nov</b>	12/20/2009	1/4/2010	1/19/2010
48	11/10/2009	11/16/2009	<b>27-Nov</b>	12/27/2009	1/11/2010	1/26/2010
49	11/17/2009	11/23/2009	<b>4-Dec</b>	1/3/2010	1/18/2010	2/2/2010
50	11/24/2009	11/30/2009	<b>11-Dec</b>	1/10/2010	1/25/2010	2/9/2010
51	12/1/2009	12/7/2009	<b>18-Dec</b>	1/17/2010	2/1/2010	2/16/2010
52	12/8/2009	12/14/2009	<b>25-Dec</b>	1/24/2010	2/8/2010	2/23/2010

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