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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](mailto:psa@ansi.org)

\* Standard for consumer products

## Comment Deadline: December 11, 2011

### NSF (NSF International)

#### New Standards

- \* BSR/NSF 341-201x (i1), Health/Fitness Facilities (new standard)  
Issue 1: To establish a national standard for the standard of care for health and fitness facilities.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Joan Hoffman, (734) 769-5159, [jhoffman@nsf.org](mailto:jhoffman@nsf.org)

#### Revisions

- \* BSR/NSF 173-201x (i41), Dietary Supplements (revision of ANSI/NSF 173-2010)  
Issue 41: Corrects the finished product acceptance level for mercury in ANSI/NSF 173 to 0.002 mg/day (2 ug/day).

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Joan Hoffman, (734) 769-5159, [jhoffman@nsf.org](mailto:jhoffman@nsf.org)

### UL (Underwriters Laboratories, Inc.)

#### Revisions

- \* BSR/UL 217-201x, Standard for Safety for Single and Multiple Station Smoke Alarms (revision of ANSI/UL 217-2011)

Provides revisions to proposals dated December 10, 2010.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Kristin Andrews, (408) 754-6634, [Kristin.L.Andrews@us.ul.com](mailto:Kristin.L.Andrews@us.ul.com)

BSR/UL 464-201x, Standard for Safety for Audible Signal Appliances (revision of ANSI/UL 464-2011)

Provides revisions to proposals dated December 10, 2010.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Kristin Andrews, (408) 754-6634, [Kristin.L.Andrews@us.ul.com](mailto:Kristin.L.Andrews@us.ul.com)

BSR/UL 1012-201x, Standard for Safety for Power Units Other than Class 2 (Proposal dated 11-11-11) (revision of ANSI/UL 1012-2010)

Proposes clarification for products with solar cell feature.

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Jonette Herman, (919) 549-1479, [Jonette.A.Herman@us.ul.com](mailto:Jonette.A.Herman@us.ul.com)

## Comment Deadline: December 26, 2011

### ABYC (American Boat and Yacht Council)

#### Revisions

BSR/ABYC A-1-201x, Marine Liquefied Petroleum Gas (LPG) Systems (revision of ANSI/ABYC A-1-2007)

Provides a guide for the design, construction, installation, and maintenance of liquefied petroleum gas (LPG) systems on boats.

Single copy price: \$50.00

Order from: John Adey, (410) 990-4460, [jadey@abycinc.org](mailto:jadey@abycinc.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### AIISI (American Iron and Steel Institute)

#### Supplements

BSR/AISI S905-2008/S1-201x, Supplement 1 to Test Methods for Mechanically Fastened Cold-Formed Steel Connections (supplement to ANSI/AISI S905-2008)

Provides modification and clarification to the standard in response to comments received.

Single copy price: Free

Obtain an electronic copy from: [hchen@steel.org](mailto:hchen@steel.org)

Order from: Helen Chen, (202) 452-7134, [Hchen@steel.org](mailto:Hchen@steel.org); [doates@steel.org](mailto:doates@steel.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Same

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

#### New National Adoptions

BSR/ASABE AD4254-11:2010 MONYEAR, Agricultural machinery - Safety - Part 11: Pick-up balers (national adoption with modifications of ISO 4254-11:2010)

Specifies safety requirements and their verification for the design and construction of self-propelled and trailed pick-up balers, including the combination of pick-up balers with wrappers, independent of the shape or size of the bales formed. This standard describes methods for the elimination or reduction of hazards arising from the intended use and reasonably foreseeable misuse of these machines by one person (the operator) in the course of normal operation and service.

Single copy price: \$52.00

Obtain an electronic copy from: [vangilder@asabe.org](mailto:vangilder@asabe.org)

Order from: Carla VanGilder, (269) 932-7015, [vangilder@asabe.org](mailto:vangilder@asabe.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### ASIS (ASIS International)

#### New Standards

BSR/ASIS SPC.4-201x, Maturity Model for the Phased Implementation of the Organizational Resilience Management System (new standard)

Provides guidance for the use of a maturity model for the phased implementation of ANSI/ASIS SPC.1-2009, as a series of steps designed to help organizations evaluate where they currently are with regards to resilience management and preparedness; set goals for where they want to go; and plot a business/mission appropriate path to get there.

Single copy price: \$25.00

Obtain an electronic copy from: [standards@asisonline.org](mailto:standards@asisonline.org)

Order from: Aivelis Opicka, (703) 518-1400, [avelis.opicka@asisonline.org](mailto:avelis.opicka@asisonline.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Same

## **BIFMA (Business and Institutional Furniture Manufacturers Association)**

### **Reaffirmations**

BSR/BIFMA X5.3-2007 (R201x), Vertical Files - Tests (reaffirmation of ANSI/BIFMA X5.3-2007)

Provides a common basis for evaluating the safety, durability, and structural performance of vertical files. The standard defines tests used to determine the acceptability of the product and specifies the acceptance levels of performance. The acceptance levels are based on the actual field and test experience of BIFMA International members.

Single copy price: \$60.00

Obtain an electronic copy from: [dpanning@bifma.org](mailto:dpanning@bifma.org)

Order from: David Panning, 616-285-3963, [dpanning@bifma.org](mailto:dpanning@bifma.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Same

## **EIA (ASC Z245) (Environmental Industry Associations)**

### **New Standards**

BSR Z245.42-201x, Equipment Technology and Operations for Wastes and Recyclable Materials - Waste Transfer Station - Safety Requirements (new standard)

Establishes safety requirements for the design, manufacture, construction, modification, maintenance and operation of waste transfer stations used in the collection, storage, and the eventual transportation of commingled wastes and recyclable materials.

Single copy price: \$50.00

Obtain an electronic copy from: [clawrence@envasns.org](mailto:clawrence@envasns.org)

Order from: [clawrence@envasns.org](mailto:clawrence@envasns.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Caija Owens, (202) 364-3750, [cowens@wastec.org](mailto:cowens@wastec.org)

## **HI (Hydraulic Institute)**

### **New Standards**

BSR/HI 9.1-9.5-201x, Pumps - General Guidelines for Types, Definitions, Application, Sound Measurement, and Decontamination (new standard)

Applies to all industrial/commercial pumps, including rotodynamic (centrifugal and vertical) rotary, and reciprocating types. This standard includes definitions; design and application; airborne sound measurement; and contamination.

Single copy price: \$75.00

Obtain an electronic copy from: [gromanyshyn@pumps.org](mailto:gromanyshyn@pumps.org)

Order from: Gregory Romanyshyn, (973) 267-9700, [gromanyshyn@pumps.org](mailto:gromanyshyn@pumps.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Same

## **NPES (ASC B65) (Association for Suppliers of Printing, Publishing and Converting Technologies)**

### **Reaffirmations**

BSR NAPIM 177.1-2007 (R201x), Safety standard - Three-roll printing ink mills (reaffirmation of ANSI NAPIM 177.1-2007)

Applies to all three-roll mills used in the printing ink manufacturing industry. The purpose of this standard is to establish safety requirements with respect to safety controls, operating procedures, and design of three-roll mills.

Single copy price: \$39.00

Obtain an electronic copy from: [dorf@npes.org](mailto:dorf@npes.org)

Order from: Debra Orf, (703) 264-7200, [dorf@npes.org](mailto:dorf@npes.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Same

## **SDI (Steel Deck Institute)**

### **New Standards**

\* BSR/SDI QA/QC-201x, Standard for Quality Control and Quality Assurance for Installation of Steel Deck (new standard)

Provides a new standard for quality control and quality assurance for installation of steel deck to be used by designers, specifiers, manufacturers, and installers of steel deck used in floors and roofs. The specification sets guidelines and requirements for quality control and quality assurance for installation of steel deck. Non-mandatory user notes and commentary are included for further clarification and guidance.

Single copy price: \$5.00

Obtain an electronic copy from: [steve@sdi.org](mailto:steve@sdi.org)

Order from: Steven Roehrig, (847) 458-4647, [steve@sdi.org](mailto:steve@sdi.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Thomas Sputo, (352) 378-0448, [sputoeng@mindspring.com](mailto:sputoeng@mindspring.com)

## **SPRI (Single Ply Roofing Institute)**

### **Revisions**

\* BSR/SPRI RP-4-201x, Wind Design Standard for Ballasted Single-Ply Roofing Systems (revision of ANSI/SPRI RP-4-2008)

Provides a reference for the design, specification, and installation of ballasted single-ply roofing systems. This revision will update the standard to include current ASCE 7 requirements and wind maps. It also updates the design requirements consistent with current technical data.

Single copy price: \$5.00

Obtain an electronic copy from: [info@spri.org](mailto:info@spri.org)

Order from: [info@spri.org](mailto:info@spri.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Linda King, (781) 647-7026, [info@spri.org](mailto:info@spri.org)

\* BSR/SPRI WD-1-201x, Wind Design Standard Practice for Roofing Assemblies (revision of ANSI/SPRI WD-1-2008)

Provides a two-part methodology of designing for wind uplift resistance of non-ballasted Built-Up, Modified Bitumen, and Single-Ply roofing system assemblies installed over any type of roof deck.

Single copy price: \$5.00

Obtain an electronic copy from: [info@spri.org](mailto:info@spri.org)

Order from: [info@spri.org](mailto:info@spri.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Linda King, (781) 647-7026, [info@spri.org](mailto:info@spri.org)

## **TCNA (ASC A108) (Tile Council of North America)**

### **Revisions**

\* BSR A137.1 Ballot #1-201x, Specifications for Ceramic Tile, Ballot #1 (revision of ANSI A137.1-2008)

Serves as a reference standard for buyers and specifiers of standard-grade and second-grade ceramic tile, decorative tile, and specialty tile. These specifications are also guides to producers in maintaining quality control of the manufacture of such ceramic tile.

Single copy price: \$15.00

Obtain an electronic copy from: [ksimpson@tileusa.com](mailto:ksimpson@tileusa.com)

Order from: Tile Council of North America

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Katelyn Simpson, (864) 646-8453 ext.108, [ksimpson@tileusa.com](mailto:ksimpson@tileusa.com)

- \* BSR A137.1 Ballot #2-201x, Specifications for Ceramic Tile, Ballot #2 (revision of ANSI A137.1-2008)

Serves as a reference standard for buyers and specifiers of standard-grade and second-grade ceramic tile, decorative tile, and specialty tile. These specifications are also guides to producers in maintaining quality control of the manufacture of such ceramic tile.

Single copy price: \$15.00

Obtain an electronic copy from: [ksimpson@tileusa.com](mailto:ksimpson@tileusa.com)

Order from: Tile Council of North America

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Katelyn Simpson, (864) 646-8453 ext.108, [ksimpson@tileusa.com](mailto:ksimpson@tileusa.com)

- \* BSR A137.1 Ballot #3-201x, Specifications for Ceramic Tile, Ballot #3 (revision of ANSI A137.1-2008)

Serves as a reference standard for buyers and specifiers of standard-grade and second-grade ceramic tile, decorative tile, and specialty tile. These specifications are also guides to producers in maintaining quality control of the manufacture of such ceramic tile.

Single copy price: \$15.00

Obtain an electronic copy from: [ksimpson@tileusa.com](mailto:ksimpson@tileusa.com)

Order from: Tile Council of North America

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Katelyn Simpson, (864) 646-8453 ext.108, [ksimpson@tileusa.com](mailto:ksimpson@tileusa.com)

- \* BSR A137.1 Ballot #4-201x, Specifications for Ceramic Tile, Ballot #4 (revision of ANSI A137.1-2008)

Serves as a reference standard for buyers and specifiers of standard-grade and second-grade ceramic tile, decorative tile, and specialty tile. These specifications are also guides to producers in maintaining quality control of the manufacture of such ceramic tile.

Single copy price: \$15.00

Obtain an electronic copy from: [ksimpson@tileusa.com](mailto:ksimpson@tileusa.com)

Order from: Tile Council of North America

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Katelyn Simpson, (864) 646-8453 ext.108, [ksimpson@tileusa.com](mailto:ksimpson@tileusa.com)

## TIA (Telecommunications Industry Association)

### Revisions

BSR/TIA 102.BAEA-B-201x, Data Overview and Specification - New Technology Standards Project - Digital Radio Technical Standards (revision and redesignation of ANSI/TIA 102.BAEA-B-201x)

Makes technical corrections and editorial revisions to align with other TIA-102 standards development work.

Single copy price: \$95.00

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [standards@tiaonline.org](mailto:standards@tiaonline.org)

BSR/TIA/EIA 136-123-G-201x, TDMA Third Generation Wireless Digital Control Channel Layer 3 (revision of ANSI/TIA 136-123-F-2006)

Defines the functions of the digital control channel in the mobile base station.

Single copy price: \$369.00

Obtain an electronic copy from: [www.global.ihs.com](http://www.global.ihs.com)

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Teesha Jenkins, (703) 907-7706, [standards@tiaonline.org](mailto:standards@tiaonline.org)

### Reaffirmations

BSR/TIA 470.230-C-2005 (R201x), Telecommunications - Telephone Terminal Equipment - Network Signaling Performance Requirements for Analog Telephones (reaffirmation of ANSI/TIA 470.230-C-2005)

Defines the DTMF, Pulse Dial, and Flash network signaling performance requirements for Customer Premises Equipment (CPE) intended for connection to the Public Switched Telephone Network (PSTN). These requirements should ensure compatibility and satisfactory performance to the user in a high percentage of installations.

Single copy price: \$95.00

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [standards@tiaonline.org](mailto:standards@tiaonline.org)

BSR/TIA 470.320-C-2006 (R201x), Telecommunications - Telephone Terminal Equipment - Cordless Telephone Operation and Feature Performance Requirements (reaffirmation of ANSI/TIA 470.320-C-2006)

Establishes cordless telephone performance requirements and measurement procedures for evaluating features and operational attributes generally not included in telephones with a corded handset. It is the goal of this document to standardize features and operational attributes that will increase the telephone user's overall satisfaction without preventing product differentiation, or competitive advantage, between products.

Single copy price: \$82.00

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [standards@tiaonline.org](mailto:standards@tiaonline.org)

BSR/TIA/EIA 5430000-1989 (R201x), Generic Specification Field Portable Electronic Instruments for Optical Fiber System Measurements (reaffirmation of ANSI/TIA/EIA 5430000-1989 (R1998))

Sets forth engineering and use requirements for optimum use of field-portable, electronic instruments for optical fiber system measurements.

Single copy price: \$89.00

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [standards@tiaonline.org](mailto:standards@tiaonline.org)

### Addenda

BSR/TIA 41.641-E-1[E]-201x, Mobile Application Part (MAP) - SMS (addenda to ANSI/TIA 41.641-E-2005)

Defines the procedures for Short Message Service (SMS) sent from an MS-originated contact up the hand-off chain for mobile communications.

Single copy price: \$108.00

Obtain an electronic copy from: [www.global.ihs.com](http://www.global.ihs.com)

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

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [standards@tiaonline.org](mailto:standards@tiaonline.org)

## Correction

### Comment Deadline: January 10, 2012

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

#### CRRC (Cool Roof Rating Council)

##### Revisions

\* BSR/CRRC-1-201x, CRRC-1 Standard (revision of ANSI/CRRC 1-2010)

Covers specimen preparation and test methods for determining the initial and aged solar reflectance and thermal emittance of roofing products.

Single copy price: Free

Obtain an electronic copy from: <http://coolroofs.org/documents/CRRC-1Standard-finalANSI.pdf>

Order from: <http://coolroofs.org/documents/CRRC-1Standard-finalANSI.pdf>

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: [info@coolroofs.org](mailto:info@coolroofs.org)

#### Change in Approval Date

##### ANSI N43.1-2011

ANSI N43.1-2011, Radiation Safety for the Design and Operation of Particle Accelerators, was initially approved 10/6/11. However, after receiving some additional information, the PSA Department has rescinded that approval and a new approval date of 11/9/11 has been issued.

### 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:

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

ANSI Z21.35/CSA 6.8, Pilot Gas Filters (reaffirmation of ANSI Z21.35-2005)

ANSI/CSA America, Inc., Standard for Pressure Relief Devices for Hydrogen Gas Vehicle (HGV) Fuel Containers (new standard)

BSR CSA FC3-200x, Portable Fuel Cell Power Systems (new standard)

BSR LC5-200x, Carrier Safety Management System (new standard)

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 Water Heaters (same as CSA 4.3) (revision, redesignation, and consolidation of ANSI Z21.10.3-1998 and ANSI Z21.10.3a-1999)

BSR/CSA LC-1b-200x, Standard for Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST) same as CSA 6.26b (revision of ANSI LC-1-2005)

BSR/IAS U.S. LC-2b-199x, Direct Gas-Fired Circulating Heaters for Agricultural Animal Confinement Buildings (revision of ANSI/AGA LC-2-1996)

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

BSR/UL 2200-201x, Standard for Safety for Stationary Engine Generator Assemblies (Proposal dated 08-26-11) (revision of ANSI/UL 2200-2011)

# 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.

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## **BIFMA (Business and Institutional Furniture Manufacturers Association)**

**Office:** 678 Front Ave. NW  
Grand Rapids, MI 49504

**Contact:** *David Panning*

**Phone:** 616-285-3963

**Fax:** 616-285-3765

**E-mail:** [dpanning@bifma.org](mailto:dpanning@bifma.org)

BSR/BIFMA X5.3-2007 (R201x), Vertical Files - Tests (reaffirmation of ANSI/BIFMA X5.3-2007)

## **EIA (ASC Z245) (Environmental Industry Associations)**

**Office:** 4301 Connecticut Ave NW, ste 300  
Washington, DC 20008

**Contact:** *Caija Owens*

**Phone:** (202) 364-3750

**Fax:** (202) 966-4824

**E-mail:** [cowens@wastec.org](mailto:cowens@wastec.org)

BSR/Z245.71-201x, Equipment Technology and Operations for Wastes and Recyclable Material - Size Reduction Equipment - Safety Requirements (new standard)

BSR/Z245.72-201x, Equipment Technology and Operations for Wastes and Recyclable Material - Mobile Industrial Tub Grinders - Safety Requirements (new standard)

## **HI (Hydraulic Institute)**

**Office:** 6 Campus Drive, 1st Fl North  
Parsippany, NJ 07054

**Contact:** *Gregory Romanyshyn*

**Phone:** (973) 267-9700

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

**E-mail:** [gromanyshyn@pumps.org](mailto:gromanyshyn@pumps.org)

BSR/HI 9.1-9.5-201x, Pumps-General Guidelines for Types, Definitions, Application, Sound Measurement, and Decontamination (new standard)

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

**Office:** 204 E Street NE  
Washington, DC 20002

**Contact:** *Mike O'Neil*

**Phone:** (202) 608 1322

**Fax:** (202) 547 6348

**E-mail:** [mikeo@naspo.info](mailto:mikeo@naspo.info)

BSR/NASPO SD 01-201x, Minimum Security Requirements for Security Documents (new standard)

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

**Office:** 2500 Wilson Blvd  
Arlington, VA 22201

**Contact:** *Ronda Marrow*

**Phone:** (703) 907-7974

**Fax:** (703) 907-7727

**E-mail:** [rmarrow@tiaonline.org](mailto:rmarrow@tiaonline.org)

BSR/TIA 102.BAEA-B-201x, Data Overview and Specification - New Technology Standards Project - Digital Radio Technical Standards (revision and redesignation of ANSI/TIA 102.BAEA-A-2004)

BSR/TIA 470.230-C-2005 (R201x), Telecommunications - Telephone Terminal Equipment - Network Signaling Performance Requirements for Analog Telephones (reaffirmation of ANSI/TIA 470.230-C-2005)

BSR/TIA 470.320-C-2006 (R201x), Telecommunications - Telephone Terminal Equipment - Cordless Telephone Operation and Feature Performance Requirements (reaffirmation of ANSI/TIA 470.320-C-2006)

BSR/TIA/EIA 136-123-G-201x, TDMA Third Generation Wireless Digital Control Channel Layer 3 (revision of ANSI/TIA 136-123-F-2006)

BSR/TIA/EIA 5430000-1989 (R201x), Generic Specification Field Portable Electronic Instruments for Optical Fiber System Measurements (reaffirmation of ANSI/TIA/EIA 5430000-1989 (R1998))

## Call for Members (ANS Consensus Bodies)

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

#### **ASC C80, Raceways for Electrical Wiring Systems**

1300 North 17<sup>th</sup> Street

Suite 1752

Rosslyn, VA 22209

**Contact:** *Joel Solis*

**Fax:** (703) 841-3367

**E-mail:** [Joel\\_solis@nema.org](mailto:Joel_solis@nema.org)

**Phone:** (703) 841-3267

ASC C80 is seeking industry experts, users and general interest to work on the revision of standards for raceways for electrical wiring systems. .

Scope: The current scope for ASC C80 is:

- Electrical rigid steel conduit used as a raceway for wires or cables of an electrical system, including conduit couplings, elbows and nipples
- Steel electrical metallic tubing, for use as a raceway for wires or cables of an electrical system, including elbows
- Electrical rigid aluminum conduit for use as a raceway for the wires or cables of an electrical system, including aluminum conduit couplings, elbows, nipples
- Steel electrical intermediate metal conduit used as a raceway for wires or cables of an electrical system, including conduit couplings, elbows and nipples

Contact Joel Solis at [joel\\_solis@nema.org](mailto:joel_solis@nema.org) or at 1-703-841-3267

### **UL Standards Committees**

#### **STP 109 (Standards Technical Panel for Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service, and Marine Use)**

STP 109 seeks to broaden its membership base and is recruiting new participants in the following interest categories:

- General
- Producer
- Supply Chain

STP 109 covers the following UL standard: UL 109 (Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service, and Marine Use).

Contact:

#### **Derrick Martin**

Underwriters Laboratories Inc.

455 East Trimble Road

San Jose, CA 95131-1230

PHONE: (408) 754-6656

FAX: (408) 689-6656

# 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.

## AHRI (Air-Conditioning, Heating, and Refrigeration Institute)

### Revisions

ANSI/AHRI Standard 530-2011, Rating of Sound and Vibration for Refrigerant Compressors (revision of ANSI/AHRI Standard 530-2005): 11/3/2011

ANSI/AHRI Standard 1160 (I-P)-2011, Performance Rating of Heat Pump Pool Heaters (revision and partition of ANSI/AHRI Standard 1160-2008): 11/3/2011

ANSI/AHRI Standard 1161 (SI)-2011, Performance Rating of Heat Pump Pool Heaters (revision and partition of ANSI/AHRI Standard 1160-2008): 11/3/2011

ANSI/AHRI/ASHRAE ISO Standard 13256-1-2011, Water-source heat pumps - Testing and rating for performance - Part 1: Water-to-air and brine-to-air heat pumps (revision of ANSI/AHRI Standard/ASHRAE/ISO 13256-1-1998): 11/3/2011

ANSI/AHRI/ASHRAE ISO Standard 13256-2-2011, Water-source heat pumps - Testing and rating for performance - Part 2: Water-to-water and brine-to-water heat pumps (revision of ANSI/AHRI Standard/ASHRAE/ISO 13256-2-1998): 11/3/2011

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

### Addenda

ANSI/ASHRAE 140c-2011, Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs (addenda to ANSI/ASHRAE Standard 140-2007): 11/2/2011

ANSI/ASHRAE/USGBC/IES 189.1g-2011, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2009): 11/2/2011

ANSI/ASHRAE/USGBC/IES 189.1u-2011, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES 189.1-2009): 11/2/2011

ANSI/ASHRAE/USGBC/IES 189.1v-2011, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES 189.1-2009): 11/2/2011

ANSI/ASHRAE/USGBC/IES 189.1w-2011, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES 189.1-2009): 11/2/2011

ANSI/ASHRAE/USGBC/IES Addendum 189.1m-2011, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2009): 11/2/2011

ANSI/ASHRAE/USGBC/IES Addendum 189.1p-2011, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2009): 11/2/2011

ANSI/ASHRAE/USGBC/IES Addendum 189.1q-2011, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2009): 11/2/2011

ANSI/ASHRAE/USGBC/IES Addendum 189.1r-2011, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2009): 11/2/2011

## CSA (CSA America, Inc.)

### Supplements

ANSI/CSA LC-1b-2001, Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST) (same as CSA 6.26b) (supplement to ANSI/IAS LC-1-1997): 8/15/2001

## HL7 (Health Level Seven)

### Reaffirmations

ANSI/HL7 V3 RCMR, R1-2006 (R2011), HL7 Version 3 Standard: Medical Records/Information Management, Release 1 (reaffirmation of ANSI/HL7 V3 RCMR, R1-2006): 11/4/2011

## SCTE (Society of Cable Telecommunications Engineers)

### Revisions

ANSI/SCTE 120-2011, Test Method for Balance Ratio of 75-300 Ohm Matching Transformer (revision of ANSI/SCTE 120-2006): 11/4/2011

## TIA (Telecommunications Industry Association)

### Addenda

ANSI/TIA 136-110B-1(E)-2011, TDMA Third Generation Wireless RF Channel Assignments (addenda to ANSI/TIA 136-110-B-2001): 11/3/2011

ANSI/TIA 136-376-C-1(E)-2011, TDMA Third Generation Wireless Enhanced General Packet-Data Service (EGPRS-136) Mobility Management (addenda to TIA/EIA 136-376-C): 11/3/2011

ANSI/TIA 136-440-C-1(E)-2011, TDMA Third Generation Wireless Adaptive Multi Rate (AMR) Codec (addenda to TIA/EIA 136-440-C): 11/3/2011

ANSI/TIA/EIA 136-330-1(E)-2011, Packet-Data Service - Overview (addenda to ANSI/TIA/EIA 136-330-2000 (R2004)): 11/3/2011

ANSI/TIA/EIA 136-335-1(E)-2011, Packet-Data Service - Radio Resource Management (addenda to ANSI/TIA/EIA 136-335-2000 (R2004)): 11/3/2011

ANSI/TIA/EIA 136-360-1(E)-2011, Packet Data Service - 136HS Indoor Overview (addenda to ANSI/TIA/EIA 136-360-2000 (R2004)): 11/3/2011

ANSI/TIA/EIA 136-370-C-1(E)-2011, TDMA Third Generation Wireless Enhanced General Packet-Data Service (EGPRS-136) (addenda to TIA/EIA 136-370-C): 11/3/2011



ANSI/TIA/EIA 136-377-C-1(E)-2011, TDMA Third Generation Wireless Enhanced General EGPRS-136 Gs Interface Specifications (addenda to TIA/EIA 136-377-C): 11/3/2011

ANSI/TIA/EIA 136-362-11(E)-2011, Packet-Data Service - 136HS Indoor RLC/MAC (addenda to ANSI/TIA/EIA 136-362-2000 (R2004)): 11/3/2011

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

### **Revisions**

ANSI/UL 746B-2011, Standard for Safety for Polymeric Materials - Long Term Property Evaluations (revision of ANSI/UL 746B-2011): 11/2/2011

## **VITA (VMEbus International Trade Association (VITA))**

### **New Standards**

ANSI/VITA 61.0-2011, XMC 2.0 (new standard): 11/2/2011

### **Stabilized Maintenance: See 3.3.3 of the ANSI Essential Requirements**

ANSI/VITA 1-1994 (S2011), VME64 (stabilized maintenance of ANSI/VITA 1-1994 (R2002)): 11/4/2011

ANSI/VITA 1.1-1997 (S2001), VME64 Extensions (stabilized maintenance of ANSI/VITA 1.1-1997 (R2003)): 11/4/2011

ANSI/VITA 1.3-1997 (S2011), VME64x 9U x 400mm Format (stabilized maintenance of ANSI/VITA 1.3-1997 (R2003)): 11/4/2011

ANSI/VITA 1.6-2000 (S2011), Keying for Conduction Cooled VME64x (stabilized maintenance of ANSI/VITA 1.6-2000 (R2005)): 11/4/2011

ANSI/VITA 3-1995 (S2011), Board Level Live Insertion (stabilized maintenance of ANSI/VITA 3-1995 (R2002)): 11/4/2011

ANSI/VITA 4.1-1996 (S2011), IP I/O Mapping to VME64x (stabilized maintenance of ANSI/VITA 4.1-1996 (R2003)): 11/4/2011

ANSI/VITA 4-1995 (S2011), IP Modules (stabilized maintenance of ANSI/VITA 4-1995 (R2002)): 11/4/2011

ANSI/VITA 5.1-1999 (S2011), Raceway Interlink (stabilized maintenance of ANSI/VITA 5.1-1999 (R2004)): 11/4/2011

ANSI/VITA 6.1-1996 (S2011), SCSA Extensions (stabilized maintenance of ANSI/VITA 6.1-1996 (R2003)): 11/4/2011

ANSI/VITA 6-1994 (S2001), Signal Computing System Architecture (SCSA) (stabilized maintenance of ANSI/VITA 6-1994 (R2002)): 11/4/2011

ANSI/VITA 17-1998 (S2011), Front Panel Data Port Specifications (stabilized maintenance of ANSI/VITA 17-1998 (R2004)): 11/4/2011

ANSI/VITA 23-1998 (S2011), VME64 Extensions for Physics and Other Applications (stabilized maintenance of ANSI/VITA 23-1998 (R2004)): 11/4/2011

ANSI/VITA 26-1998 (S2011), Myrinet-on-VME Protocol Specification (stabilized maintenance of ANSI/VITA 26-1998 (R2003)): 11/4/2011

ANSI/VITA 30-2000 (S2011), 2mm Equipment Practice for Eurocard Systems (stabilized maintenance of ANSI/VITA 30-2000 (R2005)): 11/4/2011

ANSI/VITA 35-2000 (S2011), PMC-P4 Pin Out Mapping to VME-P0 and VME64x-P2 (stabilized maintenance of ANSI/VITA 35-2000 (R2005)): 11/4/2011

# 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.

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

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

**Contact:** *Carla VanGilder*

**Fax:** (269) 429-3852

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

BSR/ASAE EP411.5 MONYEAR-201x, Guidelines for Measuring and Reporting Environmental Parameters for Plant Experiments in Growth Chambers (revision and redesignation of ANSI/ASAE EP411.4-2002 (R2007))

Stakeholders: Engineers, educators, and manufacturers involved in controlled environment agriculture.

Project Need: The existing standard is dated and inconsistent with current practices. This standard is in need of updating to reflect current equipment, methods, and requirements.

Sets forth guidelines for the measurement of environmental parameters that characterize the aerial and root environment in a plant growth chamber. This standard establishes criteria that will promote a common basis for environmental measurements for the research community and the commercial plant producer and promotes uniformity and accuracy in reporting data and results in the course of conducting plant experiments.

## 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 WK35033-201x, Specification for Commercial Coffee Maker, Electric, Automatic (new standard)

Stakeholders: Storage and dispensing equipment industry.

Project Need: To develop an ASTM Specification Standard for Coffee Makers.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK35033.htm>

BSR/ASTM WK35051-201x, New Specification for 150 to 1500 mm [6 to 60-inch] Annular Corrugated Profile-Wall Polyethylene (PE) Pipe and Fittings for Sanitary Sewer Applications (new standard)

Stakeholders: Plastic piping systems industry.

Project Need: To cover requirements and test methods for annular, corrugated profile-wall polyethylene pipe and fittings with a smooth interior and a variable pipe stiffness for sanitary sewer applications.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK35051.htm>

## BPI (Building Performance Institute)

**Office:** 107 Hermes Road, Suite 110  
Malta, NY 12020

**Contact:** *Bruce DeMaine*

**Fax:** (518) 899-1622

**E-mail:** [BDemaine@bpi.org](mailto:BDemaine@bpi.org)

\* BSR/BPI-3203-I-201x, Standard for Medium Density Spray Polyurethane Foam Rigid Cellular Plastic Installation (new standard)  
Stakeholders: Manufacturers of materials and equipment, service providers, contractors and energy efficiency agencies.

Project Need: Currently, there are no installation standards for spray polyurethane foam insulation. This material is site-manufactured and minimum requirements are needed for the protection of the worker, other trades, and the homeowner.

Provides procedures and requirements for the installation of MD spray polyurethane foam rigid cellular plastic, whether installed on building site or in prefabrication facility, to produce material equivalent to that produced by manufacturer when material was tested. Requirements include obligations for manufacturer, contractor and installer including confirmation of material onsite, installation, quality control, documentation of installation, limitations for installation, site safety, and disposal of associated waste.

## CSA (CSA America, Inc.)

**Office:** 8501 E. Pleasant Valley Rd.  
Cleveland, OH 44131

**Contact:** *Cathy Rake*

**Fax:** (216) 520-8979

**E-mail:** [cathy.rake@csa-america.org](mailto:cathy.rake@csa-america.org)

BSR/CSA NGV2a-201x, Natural Gas Vehicle Fuel Containers (addenda to ANSI/CSA NGV2-2007)

Stakeholders: Industry, manufacturers, consumers, certification agencies.

Project Need: To provide revisions for safety.

Contains specifications for the materials, design, manufacture, and testing of refillable containers intended for the storage of compressed natural gas for vehicle operation and which are affixed to the vehicle. The standard covers fuel containers of up to 1000-liter capacity and pressures between 165 and 300 Bar (2400 and 4350 psig).

**ECA (Electronic Components Association)**

**Office:** 2500 Wilson Blvd, Suite 310  
Arlington, VA 22201-3834

**Contact:** Edward Mikoski

**Fax:** (703) 875-8908

**E-mail:** emikoski@eca.us.org

BSR/EIA 364-45-C-201x, Firewall Flame Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-45B-2011)

Stakeholders: Electrical, electronics and telecommunications industry.

Project Need: To revise the standard to clarify the voltage in figure 5 and to address the wording in clause 2.1.7.

Establishes a test method to determine the ability of a mated pair of electrical firewall connectors to resist specified flame and vibration conditions during 20 minutes of exposure by preventing flames from breaching the firewall through the connectors and providing specific electrical performance for the first 6 minutes.

BSR/EIA 364-46C-201x, Microsecond Discontinuity Test Procedure for Electrical Connectors, Contacts and Sockets (revision and redesignation of ANSI/EIA 364-46B-2006)

Stakeholders: Electrical, electronics and telecommunications industry.

Project Need: The 5-Year Review Reaffirmation Ballot resulted in suggested technical changes.

Defines a method of detecting a discontinuity of one microsecond or longer in a mated electrical connector, contact or socket. This procedure shall not be used for durations less than one microsecond; see EIA-364-87, test procedure for nanosecond event detection.

BSR/EIA 364-100-A-201x, Marking Permanence Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-100-1999 (R2006))

Stakeholders: Electrical, electronics and telecommunications industry.

Project Need: The 5-Year Review Reaffirmation Ballot resulted in suggested technical changes.

Establishes a method of determining the marking permanence of electrical connectors and sockets.

**EIA (ASC Z245) (Environmental Industry Associations)**

**Office:** 4301 Connecticut Ave NW, ste 300  
Washington, DC 20008

**Contact:** Cajja Owens

**Fax:** (202) 966-4824

**E-mail:** cowens@wastec.org

BSR Z245.71-201x, Equipment Technology and Operations for Wastes and Recyclable Material - Size Reduction Equipment - Safety Requirements (new standard)

Stakeholders: Environmental sector, safety professionals, solid-waste-equipment manufacturers.

Project Need: To develop a new standard to advise manufacturers, owners, and operators on the known hazards of size-reduction equipment and how to safely construct and operate this machinery. This standard will pertain to all size-reduction equipment.

Develops a new ANSI Safety Standard pertaining to the safe operation, design and implementation of size reduction equipment.

BSR Z245.72-201x, Equipment Technology and Operations for Wastes and Recyclable Material - Mobile Industrial Tub Grinders - Safety Requirements (new standard)

Stakeholders: Environmental sector, safety professionals, solid-waste-equipment manufacturers.

Project Need: To develop a new standard to advise manufacturers, owners, and operators on the known hazards of tub grinders and how to safely construct and operate this machinery. The scope is limited solely to mobile industrial grinders.

Develops a new ANSI Safety Standard pertaining to the safe operation, design, and implementation of mobile industrial tub grinders.

**IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)**

**Office:** 445 Hoes Lane  
Piscataway, NJ 08854

**Contact:** Erin Spiewak

**E-mail:** e.spiewak@ieee.org

BSR C63.5-201x, Electromagnetic Compatibility - Radiated Emission Measurements in Electromagnetic Interference (EMI) Control - Calibration of Antennas (revision of ANSI C63.5-2006)

Stakeholders: EMC test laboratories, EMC test equipment manufacturers, EMC laboratory accreditation bodies.

Project Need: To amend and clarify the currently published standard.

- Provides the rearrangement of sections to handle additional text;
- Amends the sections for time domain, dipole corrections, and frequency step size;
- Amends the sections on reference antenna definition and standard site method (SSM);
- Amends the uncertainty calculations;
- Improves harmonization with IEC/CISPR; and
- Addresses other topics as they apply to the above.

BSR C63.8-201x, Guidance on specifying requirements for the calibration and verification of EMC test equipment (new standard)

Stakeholders: EMC testing laboratories, independent testing laboratories, internal testing laboratories.

Project Need: Testing laboratories do not always receive the calibrations necessary to meet the requirements of test methods, Accreditation Bodies, policies, and/or instrumentation specifications.

Offers guidance to testing laboratories requiring calibration of EMC equipment. This standard includes technical and reporting requirements of the test equipment to be calibrated.

BSR C63.20-201x, EMC Immunity Qualification of Instrumentation and Control Equipment and Systems Intended for Use in Nuclear Power Stations (new standard)

Stakeholders: EMC test laboratories, power-generation companies, manufacturers of I&C equipment, regulators.

Project Need: A new generation of nuclear power plants is being planned. These plants will utilize new technologies and system configurations and therefore require an EMC standard specifically focused on their unique needs.

Provides immunity test methods, levels, and recommended acceptance criteria for instrumentation and control equipment and systems intended for use in nuclear power plants.

BSR C63.25-201x, Validation Method for EMC Radiated Emissions Test Sites (new standard)

Stakeholders: EMC laboratories, equipment manufacturers.

Project Need: ANSI C63.4 is the standard for methods of measurement of radio noise and currently contains site qualification requirements. Those requirements will be copied to a new standard and revised to include methods for site qualifications above 1 GHz.

Provides requirements for radiated emissions test sites including open area tests, semi-anechoic rooms below 1 GHz and partially absorber-lined open area tests and semi-anechoic rooms above 1 GHz.

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

**Office:** 204 E Street NE  
Washington, DC 20002  
**Contact:** *Mike O'Neil*  
**Fax:** (202) 547 6348  
**E-mail:** mikeo@naspo.info

BSR/NASPO SD 01-201x, Minimum Security Requirements for Security Documents (new standard)

Stakeholders: Persons, businesses, or governmental agencies that produce, use, or rely on secure documents.

Project Need: There exists a need for a national standard; currently, there is no nationally recognized standard for the evaluation, design, production, and distribution of secure documents.

Establishes the minimum security requirements for security documents. Based upon risk analysis, these requirements shall establish the minimum number and types of security technologies that shall be incorporated into a class or type of security document. In addition, this standard shall establish the minimum requirements necessary for the secure manufacture and distribution of these security documents.

**NEMA (ASC C8) (National Electrical Manufacturers Association)**

**Office:** 1300 North 17th Street, Suite 1752  
Rosslyn, VA 22209  
**Contact:** *Ryan Franks*  
**Fax:** 703-841-3371  
**E-mail:** ryan.franks@nema.org

BSR NEMA HP 4-201x, Electrical and Electronic FEP (Fluorinated Ethylene Propylene) Insulated High Temperature Hook-Up Wire, Types KT (250 Volt), K (600 Volt), and KK (1000 Volt) (new standard)

Stakeholders: Users of insulated wires in aerospace, electrical, electronic, and high-performance applications.

Project Need: Former standard HP 4-2000 has expired.

Covers specific requirements for FEP (Fluorinated Ethylene Propylene) insulated solid and stranded wire, designed for the internal wiring of high reliability electrical and electronic equipment. This Standard addresses 250-volt (Type KT), 600-volt (Type K), and 1000-volt (Type KK) wire and permits continuous conductor temperature ratings of -65 C to +200 C with silver-coated or nickel-coated conductors and -65 C to +150 C with tin-coated conductors.

**NSF (NSF International)**

**Office:** 789 N. Dixboro Road  
Ann Arbor, MI 48105  
**Contact:** *Mindy Costello*  
**Fax:** (734) 827-7875  
**E-mail:** mcostello@nsf.org

\* BSR/NSF 409-201x, Wastewater Additives (new standard)

Stakeholders: Industry, public agency (regulators, academic, non-governmental), users.

Project Need: To create a standard addressing wastewater additives.

Focuses on environmental toxicity and performance claims for wastewater additives. This includes both chemical and biological additives in residential, commercial, or municipal wastewater treatment and distribution systems.

**RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)**

**Office:** PO Box 69  
Minden, NV 89423  
**Contact:** *Peter Axelson*  
**Fax:** (775) 783-8823  
**E-mail:** peter@beneficialdesigns.com

\* BSR/RESNA SS-1-201x, Support Surfaces - Volume 1: Requirements and Test Methods for Full Body Support Surfaces (new standard)

Stakeholders: Clinicians, manufacturers, and vendors of full body support surfaces.

Project Need: Since no one full body support surface is best for all patients, a wide variety of surfaces are available. There is a need for consistent information to evaluate characteristics of sleep support surfaces based on standardized testing that simulates body loading.

Applies to full body support surfaces (i.e., mattresses, mattress overlays, and integrated bed systems). The methods in this standard are intended to help differentiate performance characteristics of sleep support surfaces and are not intended for determining overall performance or for ranking or scoring of such surfaces.

# 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 (Association for the Advancement of Medical Instrumentation)
- AAMVA (American Association of Motor Vehicle Administrators)
- AGA (American Gas Association)
- AGRSS, Inc. (Automotive Glass Replacement Safety Standards Committee, Inc.)
- ASC X9 (Accredited Standards Committee X9, Incorporated)
- ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
- ASME (American Society of Mechanical Engineers)
- ASTM (ASTM International)
- GEIA (Greenguard Environmental Institute)
- HL7 (Health Level Seven)
- MHI (ASC MH10) (Material Handling Industry)
- NAHBRC (NAHB Research Center, Inc.)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- TIA (Telecommunications Industry Association)
- UL (Underwriters Laboratories, Inc.)

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

# ANSI-Accredited Standards Developers Contact Information

The addresses listed in this section are to be used in conjunction with standards listed in PINS, Call for Comment and Final Actions. This section is a list of developers who have submitted standards for this issue of *Standards Action* – it is not intended to be a list of all ANSI-Accredited Standards Developers. Please send all address corrections to Standards Action Editor at [standact@ansi.org](mailto:standact@ansi.org).

<p><b>ABYC</b> American Boat and Yacht Council 613 Third Street, Suite 10 Annapolis, MD 21403 Phone: (410) 990-4460 Fax: (410) 990-4466 Web: <a href="http://www.abycinc.org">www.abycinc.org</a></p>	<p><b>BIFMA</b> Business and Institutional Furniture Manufacturers Association 678 Front Ave. NW Grand Rapids, MI 49504 Phone: 616-285-3963 Fax: 616-285-3765 Web: <a href="http://www.bifma.org">www.bifma.org</a></p>	<p><b>HL7</b> Health Level Seven 3300 Washtenaw Avenue Suite 227 Ann Arbor, MI 48104 Phone: (734) 677-7777 Ext 104 Fax: (734) 677-6622 Web: <a href="http://www.hl7.org">www.hl7.org</a></p>	<p><b>SCTE</b> Society of Cable Telecommunications Engineers 140 Philips Rd. Exton, PA 19341 Phone: (610) 594-7308 Fax: (610) 363-5898 Web: <a href="http://www.scte.org">www.scte.org</a></p>
<p><b>AHRI</b> Air-Conditioning, Heating, and Refrigeration Institute 2111 Wilson Boulevard Suite 500 Arlington, VA 22201 Phone: (703) 600-0327 Fax: (703) 562-1942 Web: <a href="http://www.ahrinet.org">www.ahrinet.org</a></p>	<p><b>BPI</b> Building Performance Institute 107 Hermes Road, Suite 110 Malta, NY 12020 Phone: (518) 899-2727 Fax: (518) 899-1622 Web: <a href="http://www.bpi.org">www.bpi.org</a></p>	<p><b>IEEE (ASC C63)</b> Institute of Electrical and Electronics Engineers 445 Hoes Lane Piscataway, NJ 08854 Phone: (732) 465-7806 Web: <a href="http://www.ieee.org">www.ieee.org</a></p>	<p><b>SDI (Canvass)</b> Steel Deck Institute, Inc. 9 Crystal Lake Road, Suite 140 Lake in the Hills, IL 60156 Phone: (847) 458-4647 Fax: (847) 458-4648 Web: <a href="http://www.sdi.org">www.sdi.org</a></p>
<p><b>ASIS</b> American Iron and Steel Institute 1140 Connecticut Avenue, NW Suite 705 Washington, DC 20036 Phone: (202) 452-7134 Fax: (202) 452-1039 Web: <a href="http://www.steel.org">www.steel.org</a></p>	<p><b>CRRC</b> Cool Roof Rating Council 1610 Harrison St Oakland, CA 94612 Phone: 866-465-2523 Fax: 510-482-4421 Web: <a href="http://www.coolroofs.org">www.coolroofs.org</a></p>	<p><b>NASPO</b> North American Security Products Organization 204 E Street NE Washington, DC 20002 Phone: (202) 608-1322 Fax: (202) 547-6348 Web: <a href="http://www.naspo.info/">www.naspo.info/</a></p>	<p><b>SPRI</b> Single Ply Roofing Institute 411 Waverley Oaks Road, Suite 331B Waltham, MA 02452 Phone: (781) 647-7026 Fax: (781) 647-7222 Web: <a href="http://www.spri.org">www.spri.org</a></p>
<p><b>ASABE</b> American Society of Agricultural and Biological Engineers 2950 Niles Road St Joseph, MI 49085 Phone: (269) 932-7015 Fax: (269) 429-3852 Web: <a href="http://www.asabe.org">www.asabe.org</a></p>	<p><b>CSA</b> CSA America, Inc. 8501 E. Pleasant Valley Rd. Cleveland, OH 44131 Phone: (216) 524-4990 Fax: (216) 520-8979 Web: <a href="http://www.csa-america.org">www.csa-america.org</a></p>	<p><b>NEMA (ASC C8)</b> National Electrical Manufacturers Association 1300 North 17th Street, Suite 1752 Rosslyn, VA 22209 Phone: 703-841-3271 Fax: 703-841-3371 Web: <a href="http://www.nema.org">www.nema.org</a></p>	<p><b>TCNA (ASC A108)</b> Tile Council of North America 100 Clemson Research Blvd. Anderson, SC 29625 Phone: (864) 646-8453 ext.108 Fax: (864) 646-2821 Web: <a href="http://www.tileusa.com">www.tileusa.com</a></p>
<p><b>ASHRAE</b> American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle Atlanta, GA 30329 Phone: (404) 636-8400 Fax: (404) 321-5478 Web: <a href="http://www.ashrae.org">www.ashrae.org</a></p>	<p><b>ECA</b> Electronic Components Association 2500 Wilson Blvd, Suite 310 Arlington, VA 22201-3834 Phone: (703) 907-8023 Fax: (703) 875-8908 Web: <a href="http://www.eia.org">www.eia.org</a></p>	<p><b>NPES (ASC CGATS)</b> NPES 1899 Preston White Drive Reston, VA 20191 Phone: (703) 264-7200 Fax: (703) 620-0994 Web: <a href="http://www.npes.org">www.npes.org</a></p>	<p><b>TIA</b> Telecommunications Industry Association 2500 Wilson Blvd., Suite 300 Arlington, VA 22201 Phone: (703) 907-7700 Fax: (703) 907-7727 Web: <a href="http://www.tiaonline.org">www.tiaonline.org</a></p>
<p><b>ASIS</b> ASIS International 1625 Prince Street Alexandria, VA 22314-2818 Phone: (703) 518-1400 Web: <a href="http://www.asisonline.org">www.asisonline.org</a></p>	<p><b>EIA (ASC Z245)</b> Waste Equipment Technology Association 4301 Connecticut Ave NW, ste 300 Washington, DC 20008 Phone: (202) 364-3750 Fax: (202) 966-4824 Web: <a href="http://www.envasns.org">www.envasns.org</a></p>	<p><b>NSF</b> NSF International 789 N. Dixboro Road Ann Arbor, MI 48105 Phone: (734) 769-5159 Fax: (734) 827-6176 Web: <a href="http://www.nsf.org">www.nsf.org</a></p>	<p><b>UL</b> Underwriters Laboratories, Inc. 333 Pfingsten Road Northbrook, IL 60062 Phone: (847) 664-3276 Fax: (847) 313-3276 Web: <a href="http://www.ul.com/">www.ul.com/</a></p>
<p><b>ASTM</b> ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9696 Fax: (610) 834-7067 Web: <a href="http://www.astm.org">www.astm.org</a></p>	<p><b>HI</b> Hydraulic Institute 6 Campus Drive, 1st Fl North Parsippany, NJ 07054 Phone: (973) 267-9700 Fax: (973) 267-9055 Web: <a href="http://www.pumps.org">www.pumps.org</a></p>	<p><b>RESNA</b> Rehabilitation Engineering and Assistive Technology Society of North America PO Box 69 Minden, NV 89423 Phone: (775) 783-8822 ext. 121 Fax: (775) 783-8823 Web: <a href="http://www.resna.org">www.resna.org</a></p>	<p><b>VITA</b> VMEbus International Trade Association (VITA) PO Box 19658 Fountain Hills, AZ 85269 Phone: (480) 837-7486 Fax: (480) 837-7486 Web: <a href="http://www.vita.com/">www.vita.com/</a></p>



# 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 Karen Hughes, at ANSI's New York offices (isot@ansi.org). 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.**

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

ISO/DIS 7133, Earth-moving machinery - Tractor-scrappers - Terminology and commercial specifications - 2/4/2012, \$58.00

ISO/DIS 7134, Earth-moving machinery - Graders - Terminology and commercial specifications - 2/4/2012, \$62.00

### **FINE CERAMICS (TC 206)**

ISO/DIS 14610, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for flexural strength of porous ceramics at room temperature - 2/2/2011, \$40.00

### **HYDROMETRIC DETERMINATIONS (TC 113)**

ISO/DIS 1100-1, Hydrometry - Measurement of liquid flow in open channels - Part 1: Guidelines for selection, establishment and operation of a gauging station - 2/3/2012, \$71.00

### **IMPLANTS FOR SURGERY (TC 150)**

ISO/DIS 14708-7, Implants for surgery - Active implantable medical devices - Part 7: Particular requirements for cochlear implant systems - 1/31/2012, \$125.00

### **MECHANICAL TESTING OF METALS (TC 164)**

ISO/DIS 18265, Metallic materials - Conversion of hardness values - 2/3/2012, \$146.00

### **PAINTS AND VARNISHES (TC 35)**

ISO/DIS 16482-2, Binders for paints and varnishes - Determination of the non-volatile-matter content of aqueous rosin-resin dispersions - Part 2: Microwave method - 1/31/2012, \$33.00

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

ISO/DIS 8784-1, Pulp, paper and board - Microbiological examination - Part 1: Enumeration of bacteria and bacterial spores based on disintegration - 2/2/2012, \$53.00

### **ROAD VEHICLES (TC 22)**

ISO/DIS 20653, Road vehicles - Degrees of protection (IP-Code) - Protection of electrical equipment against foreign objects, water and access - 2/4/2012, \$71.00

### **WATER QUALITY (TC 147)**

ISO/DIS 15923-1, Water quality - Determination of ions by a discrete analysis system and spectrophotometric detection - Part 1: Ammonium, chloride, nitrate, nitrite, orthophosphate, silicate and sulfate - 2/3/2012, \$93.00

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

ISO/DIS 12996, Mechanical joining - Destructive testing of joints - Specimen dimensions and test procedure for tensile shear testing of single joints - 2/2/2011, \$67.00

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

ISO/IEC DIS 27037, Information technology - Security techniques - Guidelines for identification, collection, acquisition and preservation of digital evidence - 1/31/2012, \$107.00



# Newly Published ISO Standards

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

## ISO/IEC JTC 1, Information Technology

- ISO/IEC 19794-5:2011, Information technology - Biometric data interchange formats - Part 5: Face image data, \$206.00  
 ISO/IEC/IEEE 15289:2011, Systems and software engineering - Content of life-cycle information products (documentation), \$193.00

## ISO Technical Specifications

### NANOTECHNOLOGIES (TC 229)

- ISO/TS 13278:2011, Nanotechnologies - Determination of elemental impurities in samples of carbon nanotubes using inductively coupled plasma mass spectrometry, \$98.00

## ISO/IEC JTC 1 Technical Reports

- ISO/IEC TR 15938-8/Amd6:2011, Extraction and matching of video signature tools, \$16.00

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### AGRICULTURAL FOOD PRODUCTS (TC 34)

- ISO 6666:2011, Coffee sampling - Triers for green coffee or raw coffee and parchment coffee, \$43.00  
 ISO 7970:2011, Wheat (*Triticum aestivum* L.) - Specification, \$73.00  
 ISO 12779:2011, Lactose - Determination of water content - Karl Fischer method, \$65.00

### BUILDING CONSTRUCTION (TC 59)

- ISO 15928-4:2011, Houses - Description of performance - Part 4: Fire safety, \$86.00

### CRANES (TC 96)

- ISO 7752-2:2011, Cranes - Control layout and characteristics - Part 2: Basic arrangement and requirements for mobile cranes, \$65.00

### EARTH-MOVING MACHINERY (TC 127)

- ISO 3450:2011, Earth-moving machinery - Wheeled or high-speed rubber-tracked machines - Performance requirements and test procedures for brake systems, \$110.00

### FLUID POWER SYSTEMS (TC 131)

- ISO 16873:2011, Hydraulic fluid power - Pressure switches - Mounting surfaces, \$43.00

### MATERIALS, EQUIPMENT AND OFFSHORE STRUCTURES FOR PETROLEUM AND NATURAL GAS INDUSTRIES (TC 67)

- ISO 21809-3/Amd1:2011, Petroleum and natural gas industries - External coatings for buried or submerged pipelines used in pipeline transportation systems - Part 3: Field joint coatings - Amendment 1, \$16.00  
 ISO 13503-1:2011, Petroleum and natural gas industries - Completion fluids and materials - Part 1: Measurement of viscous properties of completion fluids, \$98.00

### METALLIC AND OTHER INORGANIC COATINGS (TC 107)

- ISO 6370-2:2011, Vitreous and porcelain enamels - Determination of the resistance to abrasion - Part 2: Loss in mass after sub-surface abrasion, \$57.00

### REFRIGERATION (TC 86)

- ISO 15042:2011, Multiple split-system air-conditioners and air-to-air heat pumps - Testing and rating for performance, \$193.00

### RUBBER AND RUBBER PRODUCTS (TC 45)

- ISO 812:2011, Rubber, vulcanized or thermoplastic - Determination of low-temperature brittleness, \$80.00  
 ISO 1827:2011, Rubber, vulcanized or thermoplastic - Determination of shear modulus and adhesion to rigid plates - Quadruple-shear methods, \$65.00  
 ISO 11852:2011, Rubber - Determination of magnesium content of field and concentrated natural rubber latex by titration, \$65.00  
 ISO 7267-3:2011, Rubber-covered rollers - Determination of apparent hardness - Part 3: Pusey and Jones method, \$57.00

### SOCIETAL SECURITY (TC 223)

- ISO 22320:2011, Societal security - Emergency management - Requirements for incident response, \$104.00

### TEXTILES (TC 38)

- ISO 2959:2011, Textiles - Woven fabric descriptions, \$37.00



# Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4946.

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

## PUBLIC REVIEW

Viewray

Public Review: October 7, 2011 to January 3, 2012

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

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

## Proposed Foreign Government Regulations

### Call for Comment

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

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

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

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

# Information Concerning

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## 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 for the creation and maintenance of 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 40+ 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 the following membership categories:

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

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. Visit [www.INCITS.org](http://www.INCITS.org) for more information regarding INCITS activities.

### Call for Members

#### Society of Cable Telecommunications

##### ANSI Accredited Standards Developer

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.

SCTE is currently seeking to broaden the membership base of its ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.

Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at [www.scte.org](http://www.scte.org) or by email from [standards@scte.org](mailto:standards@scte.org).

## ANSI Accredited Standards Developers

### Application for Accreditation

#### TUV Rheinland PTL, LLC

##### Comment Deadline: December 12, 2011

TUV Rheinland PTL, LLC, a current ANSI Company Member, has submitted an application for accreditation as an ANSI Accredited Standards Developer (ASD) and proposed operating procedures for documenting consensus on proposed American National Standards. TUV Rheinland's proposed scope of standards activity is as follows:

Photovoltaic Modules; Photovoltaic Module Components; Photovoltaic Racks; Photovoltaic Trackers; Photovoltaic Power Plant Components

To obtain a copy of TUV Rheinland's proposed operating procedures, or to offer comments, please contact: Mr. Jerry Novacek, Quality Manager, TUV Rheinland PTL, LLC, 2210 S. Roosevelt Street, Tempe, AZ 85282; PHONE: (480) 966-1700, ext. 151; FAX: (775) 314-6458; E-mail: [jnovacek@tuvptl.com](mailto:jnovacek@tuvptl.com). Please submit your comments to TUV Rheinland by December 12, 2011, 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 TUV Rheinland'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%20Comment%2fANS%20Accreditation%20Actions&View=%7b21C60355%2dAB17%2d4CD7%2dA090%2dBABEEC5D7C60%7d>.

## ANSI Accreditation Program for Third Party Certification Agencies

### Applications for Accreditation

#### Certification Commission for Health Information Technology

##### Comment Deadline: December 12, 2011

##### Applicant

Ms. Alisa Ray, Executive Director  
**Certification Commission for Health Information Technology**

200 S. Wacker Drive, Suite 3100  
 Chicago, IL 60606  
 PHONE: (312) 674-4930  
 FAX: (312) 896-1466  
 E-mail: [aray@cchit.org](mailto:aray@cchit.org)

Certification Commission for Health Information Technology has submitted an application for ANSI accreditation to include the following:

- Office of the National Coordinator (ONC) Permanent Certification Program for Health Information Technology

Please send your comments by December 12, 2011 to Reinaldo Figueiredo, Senior Program Director, Product Certification Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036.

You may fax (202-293 9287) or E-mail any comments to Reinaldo Figueiredo ([rfigueir@ansi.org](mailto:rfigueir@ansi.org)) or Nikki Jackson, Program Manager ([njackson@ansi.org](mailto:njackson@ansi.org)).

### Drummond Group, Inc.

**Comment Deadline: December 12, 2011**

#### **Applicant**

Mr. Bill Smith

#### **Drummond Group, Inc.**

13359 North Hwy 183

Ste B-406-238

Austin, TX 78750

PHONE: (817) 239-8542

FAX: (817) 335-5644

E-mail: [bill@drummondgroup.com](mailto:bill@drummondgroup.com)

Drummond Group, Inc. has submitted an application for ANSI accreditation to include the following:

- Office of the National Coordinator (ONC) Permanent Certification Program for Health Information Technology

Please send your comments by December 12, 2011 to Reinaldo Figueiredo, Senior Program Director, Product Certification Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036.

You may fax (202-293 9287) or E-mail any comments to Reinaldo Figueiredo ([rfigueir@ansi.org](mailto:rfigueir@ansi.org)) or Nikki Jackson, Program Manager ([njackson@ansi.org](mailto:njackson@ansi.org)).

### ICSA Labs, An Independent Division of Verizon Business

**Comment Deadline: December 12, 2011**

#### **Applicant**

Mr. George Japak

#### **ICSA Labs, An Independent Division of Verizon Business**

1000 Bent Creek Blvd., Suite 200

Mechanicsburg, PA 17050

PHONE: (717) 790-8101

FAX: (717) 790-8170

E-mail: [gjapak@icsalabs.com](mailto:gjapak@icsalabs.com)

ICSA Labs, An Independent Division of Verizon Business, has submitted an application for ANSI accreditation to include the following:

- Office of the National Coordinator (ONC) Permanent Certification Program for Health Information Technology

Please send your comments by December 12, 2011 to Reinaldo Figueiredo, Senior Program Director, Product Certification Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036.

You may fax (202-293 9287) or E-mail any comments to Reinaldo Figueiredo ([rfigueir@ansi.org](mailto:rfigueir@ansi.org)) or Nikki Jackson, Program Manager ([njackson@ansi.org](mailto:njackson@ansi.org)).

### InfoGard Laboratories, Inc.

**Comment Deadline: December 12, 2011**

#### **Applicant**

Mr. Ken Kolstad

#### **InfoGard Laboratories, Inc.**

709 Fiero Lane, Suite 25

San Luis Obispo, CA93401

PHONE: (805) 783-0810

FAX: (805) 783-0889

E-mail: [kkolstad@infogard.com](mailto:kkolstad@infogard.com)

InfoGard Laboratories, Inc. has submitted an application for ANSI accreditation to include the following:

- Office of the National Coordinator (ONC) Permanent Certification Program for Health Information Technology

Please send your comments by December 12, 2011 to Reinaldo Figueiredo, Senior Program Director, Product Certification Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036.

You may fax (202-293 9287) or E-mail any comments to Reinaldo Figueiredo ([rfigueir@ansi.org](mailto:rfigueir@ansi.org)) or Nikki Jackson, Program Manager ([njackson@ansi.org](mailto:njackson@ansi.org)).

### Orion Registrar, Inc.

**Comment Deadline: December 12, 2011**

#### **Applicant**

Mr. Paul Burck, President

Orion Registrar Inc.

7850 Vance Drive, Suite 210

Arvada, CO

PHONE: (303) 456-6010

FAX: (303) 456-6681

E-mail: [pburck@orion4value.com](mailto:pburck@orion4value.com)

Orion Registrar, Inc. has submitted an application for ANSI accreditation to include the following:

- Office of the National Coordinator (ONC) Permanent Certification Program for Health Information Technology

Please send your comments by December 12, 2011 to Reinaldo Figueiredo, Senior Program Director, Product Certification Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036.

You may fax (202-293 9287) or E-mail any comments to Reinaldo Figueiredo ([rfigueir@ansi.org](mailto:rfigueir@ansi.org)) or Nikki Jackson, Program Manager ([njackson@ansi.org](mailto:njackson@ansi.org)).

## ANSI-ASQ National Accreditation Board (ANAB)

ISO 9001 Quality Management Systems

Application for Accreditation

Certification Body

AVU, Inc.

**Comment Deadline: December 11, 2011**

AVU, Inc., Rosebush, MI, has applied for accreditation under the ANSI-ASQ National Accreditation Board for Certification Bodies of ISO 9001 Quality Management Systems.

Comments on the applications of the above certification body are solicited from interested parties. Please send your comments by December 11, 2011, to Lane Hallenbeck, Vice-President, Accreditation Services, American National Standards Institute, 1899 L Street NW, 11th Floor, Washington, DC 20036; FAX: (202) 293-9287, or e-mail [lhallenb@ansi.org](mailto:lhallenb@ansi.org).

# International Organization for Standardization (ISO)

## Call for International (ISO) Secretariat

### ISO/TC 96 – Cranes

ANSI has been informed by BSI (United Kingdom), the ISO delegated secretariat, that they wish to relinquish the role of the secretariat (and hence, SC 3 – Selection of wire ropes, and SC 8 – Jib cranes). ISO/TC 96 operates under the following scope:

Standardization in the field of cranes and related equipment which suspend loads by means of a load-handling device, particularly in respect of terminology, load rating, testing, safety, general design principles, maintenance, operation and load lifting attachments.

Information concerning the United States retaining the role of international secretariat may be obtained by contacting ANSI at [isot@ansi.org](mailto:isot@ansi.org).

## Establishment of Technical Committees

### ISO/TC 264 – Fireworks

The ISO Technical Management Board has created a new ISO Technical Committee on Fireworks (ISO/TC 264). The secretariat has been assigned to SAC (China). The new technical committee has the following scope:

Standardization in the field of Fireworks, including quality control, definitions, terminology, classification, categorization, labelling, test methods and basic safety requirements.

Organizations interested in serving as the US/TAG administrator or participating on the US/TAG should contact ANSI's ISO Team at [isot@ansi.org](mailto:isot@ansi.org).

### ISO/TC 265 – Carbon capture and storage (CCS)

The ISO Technical Management Board has created a new ISO Technical Committee on Carbon Capture and Storage (ISO/TC 265). The secretariat has been assigned to SCC (Canada). The new technical committee has the following scope:

Standardization of materials, equipment, environmental planning and management, risk management, quantification and verification, and related activities in the field of carbon capture and storage (CCS)

Organizations interested in serving as the US/TAG administrator or participating on the US/TAG should contact ANSI's ISO Team at [isot@ansi.org](mailto:isot@ansi.org).

# Meeting Notice

## ASC C80 – Raceways for Electrical Wiring Systems

There will be a face-to-face meeting of the ASC C80 Committee on Raceways for Electrical Wiring Systems, December 12, 2011, at NEMA Headquarters in Rosslyn, VA. ANSI C80.1 standard covers the requirements for electrical rigid steel conduit for use as a raceway for wires or cables of an electrical system. Finished conduit is produced in nominal 10 ft (3.05 m) lengths, threaded on each end with one coupling attached. It is protected on the exterior surface with a metallic zinc coating or alternate corrosion protection coating (as specified in the 13th edition of UL 6 in Clauses 5.3.3, 6.2.4, 7.8 and 7.9) and on the interior surface with a zinc or organic coating. This standard also covers conduit couplings, elbows, nipples and conduit lengths other than 10 ft (3.05 m). ANSI C80.3 standard covers the requirements for steel electrical metallic tubing, for use as a raceway for wires or cables of an electrical system. Finished tubing is typically furnished in nominal 10ft (3.05 m) lengths. It is protected on the exterior surface with a metallic zinc coating or alternate corrosion protection coating (see UL 797 Eighth edition Clauses 5.3.3, 6.2.4, 7.5 and 7.6) and on the interior surface with a zinc or organic coating. This standard also covers electrical metallic tubing elbows. ANSI C80.5 standard covers the requirements for porthole-extruded aluminum-alloy conduit for use as a raceway for the wires or cables of an electrical system. The finished conduit is produced in nominal 10 ft. (3.05 m) lengths, threaded on each end with one coupling attached. This standard also covers aluminum conduit couplings, elbows, nipples and conduit lengths other than 10 ft (3.05 m). ANSI C80.6 covers the requirements for steel Electrical Intermediate Metal Conduit for use as a raceway for wires or cables of an electrical system. Finished conduit is produced in nominal 10-ft (3.05-m) lengths, threaded on each end with one coupling attached. It is protected on the exterior surface with a metallic zinc coating or an alternate corrosion resistant coating and on the interior surface with a zinc or organic coating. This standard also covers conduit couplings, elbows, and conduit lengths other than 10 ft (3.05 m). The PINS was submitted 5/26/2009 and the committee has since reformed with new members. If you have any questions or want further information, contact Joel Solis at NEMA at (703) 841-3267 (direct), (703) 841-3238 (office), (703) 841-3367 (fax), or [joel\\_solis@nema.org](mailto:joel_solis@nema.org) (e-mail).

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## NSF International Standard for Health/Fitness Facilities —

### Health/Fitness Facilities

#### 1 General

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#### 1.3 Definitions

**1.3.1 accredited certifying organization:** A certifying organization that has received third-party approval of its certification procedures and practices from an appropriate agency that offers accreditation for organizations that provide competency-based exams.

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**1.3.5 basic medical information:** Information including: name, address, age, allergies, illnesses, past medical history and conditions, and physicians.

**1.3.6 Clinical Fitness Director:** A professional who is accountable for the fitness operations, programming and staffing of a health/fitness facility that provides services consistent with a clinical setting. serves a clinical client base (e.g., high risk clients, those with known disease, etc.)

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**1.3.9 Group Exercise Director:** A professional who is accountable for oversees all aspects of group exercise programming, including staff.

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#### 2 Pre-activity screening

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**2.3** All specific pre-activity screening tools (e.g., HRA, HHQ) shall be reviewed and interpreted by ~~qualified staff members who are proficient in prescreening procedures.~~ and ~~the~~ The results of the review and interpretation shall be retained on file by the health/fitness facility for the period required by local and state laws. If a health/fitness facility member or health/fitness facility user has a known cardiovascular, metabolic, or pulmonary disease, or two or more major cardiovascular disease risk factors, or any other self-disclosed medical concern, that new health/fitness facility member, or health/fitness facility user shall be advised to consult with a qualified healthcare provider before beginning a physical activity program.

NOTE – Health/fitness facilities are encouraged to consult with and document advice of legal counsel regarding this record retention period and maintain record of such advice with the health/fitness facility's policy.

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## **4 Risk management and emergency policy standards**

### **4.1 Emergency response policy**

**4.1.1** Health/fitness facilities shall have written emergency response policies and procedures, which shall be reviewed regularly and rehearsed. ~~In addition, any newly hired health/fitness staff shall hold valid certification in the delivery of CPR & administration of an AED training and receive, within 30 days of hire, an orientation that includes review of these same emergency policies and procedures. These policies shall enable staff to respond to basic first aid situations and emergency events.~~ Within 30 days of hire, new health/fitness staff shall have completed CPR & AED training and present valid certification for same. Within this period, they shall receive an orientation that includes a review of emergency policies and procedures established by the facility.

NOTE – If health/fitness facilities need assistance beyond the requirements in this section in matters of preparing emergency policies, procedures, and practices relevant to their setting, they will find the contents of the following to be helpful resources. ACSM/AHA Position Statements on screening, staffing, and emergency policies at health/fitness facilities (Med Sci Sports Exerc 1998 Jun;30(6):1009-18) and on AEDs in health/fitness facilities (Med Sci Sports Exerc 2002 Mar;34(3):561-4)

Aspects of a health/fitness facility's emergency response policies and procedures shall include, but are not limited to, the following:

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– physical rehearsal by the health/fitness facility, at least semiannually (2 times per year) preferably quarterly (4 times per year), for all health/fitness staff on duty at the time of occurrence. The rehearsals for cardiovascular emergencies shall be at least annual. The utility of physical rehearsals in maintaining response capabilities is influenced by health/fitness facility size and configuration, operating hours and staffing, employee turnover, and numbers of health/health/fitness facility fitness members/users present at any given time. The health/fitness facility's policies shall address how the frequency of physical rehearsals assures that the majority of staff on duty at any one time during operations have participated in an emergency rehearsal within the past six months. Every review and rehearsal shall be documented indicating when the rehearsals were performed, who participated and the results;

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NOTE - In addition to full-scale rehearsals, a facility may conduct rehearsals on an individual or small-group basis to ensure that a majority of staff on duty at any one time during operations have participated in an emergency rehearsal within the past six months.

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#### 4.2 Handling of potentially hazardous materials

Health/fitness facilities shall have a written system for sharing information with health/fitness facility members, health/fitness facility users and employees or independent contractors regarding the handling of potentially hazardous materials, including the handling of bodily fluids by the health/fitness facility staff in accordance with the guidelines of the Occupational Safety and Health Administration (OSHA).

To comply with OSHA guidelines and reduce the risk to users and staff, health/fitness facilities shall perform the following actions:

- Maintain a current material safety data sheet (MSDS) document (e.g., written and/or electronic) that is readily available to all staff members;
- Provide, at a minimum:
  - MSDS training for all new hires during orientation; and
  - an annual MSDS review for all staff and specific training for workers in the handling of chemicals and agents, and maintain documentation for each staff member;
- Store all hazardous caustic chemicals and agents in properly locked locations off limits to health/fitness facility members or health/fitness facility users and ensure that hazardous caustic chemicals and agents are stored off the floor;

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### 5 Professional staff and independent contractors

**5.1** The health/fitness professionals who have supervisory responsibility for the physical activity programs (i. e., who supervise and oversee health/fitness facilities members, health/fitness facilities users, staff, and independent contractors) of the health/fitness facility shall have an appropriate level of professional education, work experience, and/or certification.

Examples of health/fitness professionals who serve in a supervisory role include the fitness director, group exercise director, aquatics director, and program director.

#### Required competency criteria for program supervisors in the health and fitness industry

An aquatics director shall be compliant with the requirements mandated by local jurisdiction and have at least one of the following:

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- Advanced Life Saving (ALS), or Water Safety Instructor (WSI) certification, or
- minimum of 3 years experience as a lifeguard, water safety instructor, or swim instructor.

In addition, health/fitness facilities with pools shall have a staff person who has a recognized CPO certification (Certified Pool Operator) such as those issued by National Spa and Pool Institute (NSPI) or state/local government agency. This individual can be the aquatic director or other person charged with the physical care of the pool (pool chemistry and mechanical systems).

A fitness director shall have at least one of the following:

- Fitness Instructor or Personal Trainer certification from a nationally accredited certifying organization; and
- 4-year degree from an accredited college or university in fitness, exercise science, or related field; or
- minimum of 3 years' experience as a fitness professional in a health/fitness health/fitness facility.

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**5.2** The health/fitness professionals who serve in counseling, instructional, and physical activity supervision and instruction roles for the health/fitness facility shall have an appropriate level of professional education, work experience, and/or certification.

The primary professional staff and independent contractors who serve in these roles are fitness instructors, group exercise instructors, lifestyle counselors, and personal trainers.

#### **Required competency criteria for instructors, counselors, and personal trainers in the health and fitness industry**

A personal trainer or fitness instructor shall have a fitness Instructor, or personal trainer certification from a nationally accredited certifying organization or its equivalent.

A group exercise instructor shall have a group exercise instructor certification from a nationally accredited certifying organization or its equivalent.

A wellness coach or its equivalent shall have ~~at least one of the following:~~ certification in wellness coaching, behavioral change, health coaching, or similar area; ~~or~~

~~— minimum of one years' experience working as a fitness instructor or personal trainer, with at least 100 hours' experience in lifestyle counseling wellness coaching.~~

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## 6 Compliance with federal and local regulations

### 6.1 Building design and construction

Health/fitness facilities shall demonstrate compliance with all federal, state, and local building codes via a Certificate of Occupancy or other local documentation.

### 6.2 Equipment

Each health/fitness facility shall demonstrate compliance with all equipment, signage, and other safety requirements mandated by federal, state, and local laws and regulations.

### 6.3 Accessibility

**Where applicable, facilities shall demonstrate compliance with the most recent ADA regulations concerning facility and equipment accessibility.**

## 7 Health/fitness facility operating practices

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### 7.5.1 Medical history

When the parent is not in attendance and a child is under the temporary supervision of a health/fitness facility, the health/fitness facility shall request the child's basic medical information and make it available to the staff person in the health/fitness facility who is responsible for supervising the child.

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## 8 Signage

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8.4 ~~All cautionary, danger, and warning signage shall have the required signal icon, signal word, signal color, and layout as specified in ASTM F1749.~~ Facilities shall provide the proper cautionary, warning, and danger signage for their facility, as detailed in ASTM Standard F1749 when conditions exist that pose an increased risk to member and user safety. When such cautionary, warning and danger signage is posted, attention shall be paid to the ASTM specifications for the proper signal color, signal icon, signal word, and layout.

***REASON: All changes being proposed in this draft are a result of comments received on the previous ballot.***

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## NSF International Standard for Dietary Supplements —

### Dietary supplements

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#### 5.3 Contaminants

##### 5.3.1 Metals

###### 5.3.1.1 Raw materials

Raw materials shall not contain undeclared metals in amounts greater than the following:

- arsenic content shall not exceed 5 parts per million (ppm);
- cadmium content shall not exceed 0.3 ppm;
- chromium (VI) content shall not exceed 2 ppm;
- lead content shall not exceed 10 ppm; and
- mercury content shall not exceed 0.2 ppm.

###### 5.3.1.2 Finished products

Finished products shall not contain undeclared metals at rates of intake greater than the following:

- arsenic content shall not exceed 0.01 milligrams per daily dose (mg/d);
- cadmium content shall not exceed 0.006 mg/d;
- chromium (VI) content shall not exceed 0.02 mg/d;
- lead content shall not exceed 0.02 mg/d; and
- mercury content shall not exceed ~~0.02~~ 0.002 mg/d (2 µg/d).

**REASON:** The current levels in NSF/ANSI 173 were originally published in 2003, with an emphasis on international criteria including that found in the British Pharmacopoeia. The issue of heavy metals limits continued to cause much debate and discussion within the Joint Committee on Dietary Supplements, as well as by the DS Task Group formed to address it. The Task Group on Heavy Metals recommended correcting the current NSF/ANSI 173 mercury limit for finished products, since this value represents a mathematical error and should have been 0.002 mg.

At the October 13, 2011 JC Meeting, there was agreement that the finished product acceptance level for mercury should be reduced to 0.002 mg/day (2 ug/day).

**BSR/UL 217**

65.1.1 Except as permitted in 65.2.1, the alarm sounding appliance, either integral with the smoke alarm or intended to be connected separately, shall be capable of providing for at least 4 minutes, a sound output equivalent to that of an omnidirectional source with an A-weighted sound pressure level of at least 85 decibels (db) at 10 feet (3.05 m) with two reflecting planes assumed. To determine compliance with this paragraph the method described in 65.2.1 - 65.3.2 is to be employed. It is appropriate for alarms to be tested with the horn duty cycle specified in 34.3 defeated and emitting a continuous tone. In addition, ~~an alarm intended for use in installations requiring a low frequency alarm as required in by the most recent version of NFPA 72, National Fire and Signaling Code, shall have a signal format as described-~~ the signal format of a low frequency alarm shall conform to the descriptions in section 65.5 and 92.7.

65.5.1 A low frequency alarm shall have a ~~520 Hz electrical square wave, triangle or saw tooth source signal at the output device terminals to produce an acoustic output signal~~ signal having a fundamental frequency of 520 (F1) Hz  $\pm$  10%, with subsequent harmonic frequencies occurring at 1560 (F3), 2600 (F5) and 3640 (F7) Hz  $\pm$  10% as determined by a Fast Fourier Transform (FFT) analysis of the audible alarm signal.

65.5.3 The maximum sound pressure level (dB) of any frequency within the FFT measurement shall be at least 5dB less than the F1 sound pressure level (dB). The minimum sound pressure level (dB) of the odd harmonics shall not be less than -20dB for F3, -30dB for F5 and -50dB for F7 of the fundamental F1 level. ~~F3 through F7, shall be greater than the F1 sound pressure level (dB) reduced by 50dB.~~

## BSR/UL 464

24.1.1 An alarm notification appliance ~~intended for installations required by the most recent version of NFPA 72 (National Fire and Signaling Code) or NFPA 720 (Carbon Monoxide Warning Equipment) fire alarm service~~, while operating under the rated voltage values shown in Table 12.3, shall provide the following minimum sound levels equivalent to those provided by an omni-directional source having an A weighted sound pressure level.

- a) An appliance intended for fire alarm operation in the Public Mode shall have a sound level of not less than 75 decibels at 10 feet (3.05 m).
- b) An appliance intended for fire alarm operation in the Private Mode shall have a sound level of not less than 45 decibels at 10 feet (3.05 m).

### 24.3 Determination of low frequency signal format

24.3.1 ~~A notification appliance intended for use in installations requiring a low frequency notification appliance by the most recent version of NFPA 72, National Fire and Signaling Code, shall have a signal format as described in 24.1.2 – 24.1.4. The signal format of a low frequency alarm notification appliance shall conform to the descriptions in 24.3.2 – 24.3.4.~~

24.3.2 A low frequency alarm notification appliance shall ~~have a 520-Hz electrical square wave, triangle or saw tooth source signal at the output device terminals to produce an acoustic output signal~~ having a fundamental frequency of 520 (F1) Hz  $\pm$  10%, with subsequent harmonic frequencies occurring at 1560 (F3), 2600 (F5) and 3640 (F7) Hz  $\pm$  10% as determined by a Fast Fourier Transform (FFT) analysis of the audible alarm signal.

24.3.3. The spectral analyses shall be performed in a reverberant room per the test setup as described in ~~65.2.2~~ 24.1.2. The FFT measurement shall be a 30 second spectrum averaging of a 12.8(kHz) frequency span of 2 (Hz ) resolution, non-weighted.

24.3.4 The maximum sound pressure level (dB) of any frequency within the FFT measurement shall be at least 5dB less than the F1 sound pressure level (dB). The minimum sound pressure level (dB) of the odd harmonics shall not be less than 20 dB for F3, 30 dB for F5, and 50dB for F7 of the fundamental (F1) level. F3 through F7, shall be greater than the F1 sound pressure level (dB) reduced by 50dB.

## BSR/UL 1012 Proposal

97.2.1 The RBP is to be operated under the most severe normal conditions through two complete cycles of charging and discharging in accordance with (a) - (d). The temperature measurements are to be made at the least favorable ambient temperature within the specified operating range for the RBP. Temperatures shall not exceed the limits specified in ~~Section 41, Power Input Test,~~ Section 42, Temperature Test, and the temperature of the battery at any time under conditions of charging and discharging shall not exceed the value specified in Table 97.1. For a combination supplied unit or a solar supplied unit, testing under conditions involving a light source are to be conducted with air mass 1.5 spectrum and 100 mW/cm<sup>2</sup> irradiance. If the irradiance is other than 100 mW/cm<sup>2</sup>, temperatures for multiple irradiance levels are to be determined, and a linear extrapolation conducted to determine the temperature under 100mW/cm<sup>2</sup> irradiance.

- a) Prior to the test, the RBP is to be discharged in accordance with 41.3 - 41.5.
- b) During the charging cycles the RBP output is to be resistively loaded, if the construction permits, to deliver the maximum rated output current.
- c) During the discharge cycles the RBP is to be discharged with the resistive load initially adjusted to draw the maximum rated output current. Without further load adjustment, the RBP is to be discharged until temperatures peak.
- d) During the first charge cycle, the RBP is to be operated until temperatures peak. The RBP is to then be disconnected from the supply source (alternating current supply or solar cell supply) and discharged until temperatures peak. The RBP is then subjected to the second charge/discharge cycle. The test is terminated when temperatures peak or temperatures stabilize, whichever occurs first during the second cycle.