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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

* Standard for consumer products

Comment Deadline: November 13, 2011

NIST/ITL (National Institute of Standards and Technology/Information Technology Laboratory)

Revisions

BSR/NIST-ITL 1-201x, Data Format for the Interchange of Fingerprint, Facial & Other Biometric Information (revision, redesignation and consolidation of ANSI/NIST-ITL 1-2007, ANSI/NIST-ITL 1A-2009, and ANSI/NIST-ITL 2-2008)

30-day re-ballot after resolution of comments received on 45-day ballot.

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

Send comments (with copy to BSR) to: Brad Wing, (301) 975-5663, Brad.Wing@NIST.Gov

NSF (NSF International)

Revisions

- * BSR/BIFMA e3-201x, ANSI/BIFMA e3 Furniture Sustainability Standard (revision of ANSI/BIFMA e3-2010)

Issue 4 - Adds definitions to the standard.

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

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

- * BSR/NSF 140-201x (i16), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2010)

Issue 16 - Addresses PBTs and updates the reference to RoHS in Annex A.

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

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

- * BSR/NSF 305-201x (i10), Personal Care Products Containing Organic Ingredients (revision of ANSI/NSF 305-2009e)

Issue 10: Incorporates a note into ANSI/NSF 305 concerning compliance with the California Organic Products Act (COPA) of 2003 and the proper calculation.

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

Send comments (with copy to BSR) to: Joan Hoffman, (734) 769-5159, jhoffman@nsf.org

UL (Underwriters Laboratories, Inc.)

New Standards

BSR/UL 1439-201x, Standard for Safety for Tests for Sharpness of Edges on Equipment (new standard)

Seeks ANSI approval of the fourth edition of the Standard for Tests for Sharpness of Edges on Equipment.

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

Send comments (with copy to BSR) to: Camille Alma, (631) 271-6200, Camille.A.Alma@us.ul.com

Revisions

BSR/UL 73-201x, Motor-Operated Appliances (revision of ANSI/UL 73-2011)

Covers:

- (1) Date code marking on attachment plug blade for insect and rodent control equipment; and
- (2) Addition and revision of requirements for battery-operated products with rechargeable and automatic flashlights and lanterns.

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

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

Comment Deadline: November 28, 2011

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmations

BSR/AAMI ES60601-1-2005 (R201x), Medical electrical equipment - Part 1: General requirements for basic safety and essential performance (reaffirmation of ANSI/AAMI ES60601-1-2005)

Provides a baseline of requirements for the basic safety and essential performance of all medical electrical equipment used by or under the supervision of qualified personnel in the general medical and patient environment. Also contains certain requirements for reliable operation to ensure safety. This standard can also be applied to equipment used for compensation or alleviation of disease, injury, or disability.

Single copy price: \$395.00

Obtain an electronic copy from: www.aami.org

Order from: AAMI Publications; PHONE: 1-877-249-8226/FAX 1-301-206-9789

Send comments (with copy to BSR) to: Hillary Woehrle, (703) 525-4890, HWoehrle@aami.org

BSR/AAMI/IEC 60601-1-2, Ed.2-2007 (R201x), Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral standard: Electromagnetic compatibility - Requirements and tests (reaffirmation of ANSI/AAMI/IEC 60601-1-2, Ed.2-2007)

Applies to the basic safety and essential performance of medical electrical equipment and medical electrical systems. This standard also applies to electromagnetic compatibility (EMC) of medical electrical equipment and medical electrical systems. The object of this standard is to specify general requirements and tests for EMC of medical electrical equipment and medical electrical systems.

Single copy price: \$120.00

Obtain an electronic copy from: www.aami.org

Order from: AAMI Publications; PHONE: 1-877-249-8226/FAX 1-301-206-9789

Send comments (with copy to BSR) to: Hillary Woehrle, (703) 525-4890, HWoehrle@aami.org

BSR/AAMI/IEC 62304, Ed.1-2006 (R201x), Medical device software - Software life cycle processes (reaffirmation of ANSI/AAMI/IEC 62304, Ed.1-2006)

Specifies life-cycle processes including software development, software maintenance, software risk management, software configuration management, and software problem resolution requirements for medical device software.

Single copy price: \$100.00

Obtain an electronic copy from: www.aami.org

Order from: AAMI Publications; PHONE: 1-877-249-8226/FAX 1-301-206-9789

Send comments (with copy to BSR) to: Hillary Woehrle, (703) 525-4890, HWoehrle@aami.org

BSR/AAMI/ISO 15223-1-2007 (R201x), Medical devices - Symbols to be used with medical device labels, labeling, and information to be supplied - Part 1: General requirements (reaffirmation of ANSI/AAMI/ISO 15223-1-2007 and ANSI/AAMI/ISO 15223-1:2007/A1-2008)

Identifies requirements for the development and use of symbols that may be used to convey information on the safe and effective use of medical devices.

Single copy price: \$80.00

Obtain an electronic copy from: www.aami.org

Order from: AAMI Publications; PHONE: 1-877-249-8226/FAX 1-301-206-9789

Send comments (with copy to BSR) to: Hillary Woehrle, (703) 525-4890, HWoehrle@aami.org

Addenda

BSR/AAMI/ISO 13408-1-2008/A1-201x, Aseptic processing of health care products - Part 1: General requirements - Amendment 1 (addenda to ANSI/AAMI/ISO 13408-1-2008)

This amendment to ANSI/AAMI/ISO 13408-1-2008 corrects spelling errors; clarifies a definition note; and replaces terms used in Table 1 and Table 2.

Single copy price: \$20.00 (AAMI members) / \$25.00 (list)

Obtain an electronic copy from: www.aami.org

Order from: AAMI Publications; PHONE: 1-877-249-8226/FAX 1-301-206-9789

Send comments (with copy to BSR) to: Jennifer Moyer, (703) 253-8274, jmoyer@aami.org

AISI (American Iron and Steel Institute)

Supplements

BSR/AISI S907-2008/S1-201x, Supplement No. 1 to Test Standard for Cantilever Test Method for Cold-Formed Steel Diaphragms (supplement to ANSI/AISI S907-2008)

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

Single copy price: Free

Obtain an electronic copy from: hchen@steel.org

Order from: Helen Chen, (202) 452-7134, hchen@steel.org; doates@steel.org

Send comments (with copy to BSR) to: Same

APA (APA - The Engineered Wood Association)

Revisions

- * BSR/APA PRR 410-201x, Standard for Performance-Rated Engineered Wood Rim Boards (revision of ANSI/APA PRR 410-201x)

Provides dimensions and tolerances, performance requirements, test methods, quality assurance, and trademarking for engineered wood rim boards.

Single copy price: Free

Obtain an electronic copy from: borjen.yeh@apawood.org

Order from: Borjen Yeh, (253) 620-7467, borjen.yeh@apawood.org

Send comments (with copy to BSR) to: Same

ASME (American Society of Mechanical Engineers)

Revisions

BSR/ASME BPVC Section II-201x, Part A - Ferrous Material Specifications; Part B - Nonferrous Material Specifications; Part D - Materials Properties (revision of ANSI/ASME BPVC Section II-2010)

Section II of the Boiler and Pressure Vessel Code provides material specifications for base metallic and for nonmetallic materials (except concrete and fiber-reinforced plastics under the scope of Section X) and material design values and limits and cautions on the use of materials.

Single copy price: Free

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

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

Send comments (with copy to BSR) to: Noel Lobo, (212) 591-8460, lobon@asme.org

ATIS (Alliance for Telecommunications Industry Solutions)

New Standards

BSR ATIS 0600010.04-201x, Operational Vibration Requirements for Communications Equipment (new standard)

Covers the minimum operational vibration criteria for communications equipment.

Single copy price: \$55.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerriane Conn, (202) 434-8841, kconn@atis.org

Send comments (with copy to BSR) to: Same

BSR ATIS 1000045-201x, ATIS Identity Management: Mechanisms and Procedures Standard (new standard)

Describes the specific IdM mechanisms and suites of options that should be used to meet the requirements defined in the ATIS IdM Requirements and Use Cases Standard.

Single copy price: \$200.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerriane Conn, (202) 434-8841, kconn@atis.org

Send comments (with copy to BSR) to: Same

CEA (Consumer Electronics Association)

New Standards

- * BSR/CEA 2042.1-201x, Wireless Power Glossary of Terms (new standard)

Specifies terms and definitions for wireless power.

Single copy price: Free

Obtain an electronic copy from: standards@ce.org

Order from: standards@ce.org

Send comments (with copy to BSR) to: Dave Wilson, (703) 907-7660, dwilson@ce.org

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

- * BSR/AGA LC 1b-201x, Standard for Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST) (same as CSA 6.26b) (revision of ANSI LC 1-2005/CSA 6.26-2005 (R2010) and ANSI LC 1a-2009/CSA 6.26a-2009 (R2010))

Applies to natural and propane gas piping systems using corrugated stainless steel tubing (CSST), fittings for connection to CSST, and striker plates intended for installation in residential, commercial or industrial buildings. Other components of piping systems covered include gas manifolds, gas pressure regulators, manual gas valves, quick disconnect devices and gas convenience outlets. This standard also applies to CSST piping systems that may be exposed to the outdoors.

Single copy price: \$50.00

Obtain an electronic copy from: cathy.rake@csa-america.org

Order from: Cathy Rake, (216) 524-4990, cathy.rake@csa-america.org

Send comments (with copy to BSR) to: Same

ISA (ISA)**New Standards**

BSR/ISA 62443.03.03 (99.03.03)-201x, Security for Industrial Automation and Control Systems: System Security Requirements and Security Assurance Levels (new standard)

Prescribes the system security requirements related to the seven foundational requirements defined in ISA 99.01.01-2007, and assigns system security assurance levels to the system under consideration.

Single copy price: \$99.00 usd

Obtain an electronic copy from: crobinson@isa.org

Order from: Charles Robinson, (919) 990-9213, crobinson@isa.org

Send comments (with copy to BSR) to: Same

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

BSR INCITS 493-201x, Information technology - AT Attachment 8 - ATA/ATAPI Serial Transport (ATA8-AST) (new standard)

The set of AT Attachment standards consists of this standard and the ATA implementation standards described in AT Attachment - 8 ATA/ATAPI Architecture Model (ATA8-AAM). This standard defines the ATA Serial ATA transport by:

- (a) referencing the Serial ATA specifications published by the SATA-IO organization; and
- (b) documenting the transport-dependent components found in ATA8 family of standards.

Single copy price: \$30.00

Obtain an electronic copy from: <http://www.incits.org> or <http://webstore.ansi.org>

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

Send comments (with copy to BSR) to: Barbara Bennett, (202) 626-5743, bbennett@itic.org

NEMA (ASC C29) (National Electrical Manufacturers Association)**New Standards**

BSR C29.11-201x, Composite Insulators - Test Methods (new standard)
Comprises a manual of test methods to be followed in making tests to determine the characteristics of composite electrical power insulators.

Single copy price: \$42.00

Obtain an electronic copy from: globalcustomerservice@ihs.com; www.global.ihs.com

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

Send comments (with copy to BSR) to: Scott Choinski, ASC C29 Secretary

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

BSR CGATS/ISO 15930-5-2004, Graphic technology - Prepress digital data exchange using PDF - Part 5: Partial exchange of printing data using PDF 1.4 (PDF/X-2)] (withdrawal of ANSI CGATS/ISO 15930-5-2004)

Specifies the use of the Portable Document Format (PDF) Version 1.4 for the dissemination of digital data, where all elements necessary for final print reproduction are either included or provision is made for unique identification. Color-managed, CMYK, and spot color data are supported in any combination.

Single copy price: \$53.00

Obtain an electronic copy from: dorf@npes.org

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

Send comments (with copy to BSR) to: Same

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

BSR/TIA 41.333-E-201x, Mobile Application Part: Voice Feature Scenarios - Subscriber PIN Access/Subscriber PIN Intercept (new standard)

Depicts the interactions between network entities in various situations related to automatic roaming and Subscriber PIN Access (SPINA).

Single copy price: \$70.00

Obtain an electronic copy from: www.global.ihs.com

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

Send comments (with copy to BSR) to: Teesha Jenkins, (703) 907-7706, standards@tiaonline.org

BSR/TIA 41.691-E-2[E]-201x, Mobile Application Part (MAP) - Annexes for the 6XX Series (new standard)

Provides the annexes for the Mobile Application Part series of documents.

Single copy price: \$87.00

Obtain an electronic copy from: www.global.ihs.com

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

Send comments (with copy to BSR) to: Stephanie Montgomery, (703) 907-7700, smontgomery@tiaonline.org

Reaffirmations

BSR/TIA 41.511-E-2004 (R201x), Mobile Application Part - ANS/SS7 Transport Signaling Protocols (reaffirmation of ANSI/TIA 41.511-E-2004)

Defines transport signaling protocols.

Single copy price: \$71.00

Obtain an electronic copy from: www.global.ihs.com

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

Send comments (with copy to BSR) to: Teesha Jenkins, (703) 907-7706, standards@tiaonline.org

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

BSR/UL 209-201x, Standard for Safety for Cellular Metal Floor Raceways and Fittings (revision of ANSI/UL 209-2007)

Covers:

- Addition of the terms cell and trench header; and
- Cellular floor units constructed with internal partitions

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Kristin Andrews, (408) 754-6634, Kristin.L.Andrews@us.ul.com

BSR/UL 1283-201x, Standard for Safety for Electromagnetic Interference Filters (Bulletin dated October 14, 2011) (revision of ANSI/UL 1283-2009)

Covers:

- DC-rated EMI filters, including filters for use in photovoltaic systems, up to 1500 V; and
- Proposal to expand scope to cover filters rated up to 1000 V ac.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Edward Minasian, (631) 546-3305, Edward.D.Minasian@us.ul.com

BSR/UL 1480-201x, Standard for Safety for Speakers for Fire Alarm, Emergency, and Commercial and Professional Use (revision of ANSI/UL 1480-2010)

Covers:

- Correction of Unit Values, 6.2.2;
- Correction of Minimum Thickness of Sheet Metal for Electrical Enclosures of Aluminum, Copper or Brass, Table 6.4;
- Removal of transient pressure test;
- Alternative vibration test option;
- Additions to the speaker burnout test;
- Revision of the water spray test;
- Addition of directionality testing;
- Revised graphic for frequency response limits; and
- Revision of speaker frequency.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Kristin Andrews, (408) 754-6634, Kristin.L.Andrews@us.ul.com

* BSR/UL 1727-201x, Standard for Safety for Commercial Electric Personal Grooming Appliances (revision of ANSI/UL 1727-2009)

The following revisions to UL 1727 are being proposed:

- (a) Delete Appendix A and include component requirements in the body of the standard;
- (b) Add requirements for evaluating ionizers in commercial grooming appliances;
- (c) Delete requirements for Immersion Leakage Current Interrupters (IDCIs); and
- (d) Update requirements for wax depilatory appliances.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Derrick Martin, (408) 754-6656, Derrick.L.Martin@us.ul.com

Comment Deadline: December 13, 2011

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

ASSE (ASC Z359) (American Society of Safety Engineers)**New Standards**

BSR/ASSE Z359.14-201x, Safety Requirements for Self-Retracting Devices For Personal Fall Arrest and Rescue Systems (new standard)

Establishes requirements for the performance, design, qualification testing, markings and instructions, inspections, maintenance and storage, and removal from service of self-retracting devices (SRD's) including self-retracting lanyards (SRL's), self-retracting lanyards with integral rescue capability (SRL-R's), and self-retracting lanyards with leading edge capability (SRL-LE's). This standard establishes requirements for SRD's intended for use in personal fall arrest or rescue systems for authorized persons within the capacity range of 130 to 310 pounds (59 to 141kg).

Single copy price: \$80.00

Order from: Timothy Fisher, (847) 768-3411, TFisher@ASSE.org

Send comments (with copy to BSR) to: Same

IEEE (Institute of Electrical and Electronics Engineers)

New Standards

BSR/IEEE 1547.6-201x, Recommended Practice for Interconnecting Distributed Resources with Electric Power Systems Distribution (new standard)

Builds upon IEEE Std 1547 for the interconnection of distributed resources (DR) to distribution secondary network systems. This standard establishes recommended criteria, requirements and tests, and provides guidance for interconnection of distribution secondary network system types of area electric power systems (area EPS) with distributed resources (DR) providing electric power generation in local electric power systems (local EPS).

Single copy price: \$65.00 (pdf); \$80.00 (printed)

Order from: IEEE; PHONE:+1-800-678-4333; FAX:+1-732-981-9667;
ONLINE: <http://standards.ieee.org/store>

Send comments (with copy to BSR) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

BSR/IEEE 2030-201x, Guide for Smart Grid Interoperability of Energy Technology and Information Technology Operation with the Electric Power System (EPS), and End-Use Applications and Loads (new standard)

Provides guidelines for Smart Grid interoperability. This guide provides a knowledge base addressing terminology, characteristics, functional performance and evaluation criteria, and the application of engineering principles for Smart Grid interoperability of the electric power system with end-use applications and loads. The guide discusses alternate approaches to good practices for the Smart Grid.

Single copy price: \$135.00 (pdf); \$165.00 (printed)

Order from: IEEE; PHONE:+1-800-678-4333; FAX:+1-732-981-9667;
ONLINE: <http://standards.ieee.org/store>

Send comments (with copy to BSR) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

Supplements

BSR/IEEE 802.11s-2011, Information Technology - Telecommunications and Information Exchange Between Systems - Local (supplement to ANSI/IEEE 802.11-1999 (R2003))

Describes protocols for IEEE 802.11 stations to form self-configuring multi-hop topology networks that supports both broadcast/multicast and unicast delivery.

Single copy price: \$199.00

Order from: IEEE; PHONE:+1-800-678-4333; FAX:+1-732-981-9667;
ONLINE: <http://standards.ieee.org/store>

Send comments (with copy to BSR) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

UL (Underwriters Laboratories, Inc.)

New Standards

BSR/UL 1008S-201x, Standard for Safety for Solid-State Transfer Switches (Proposal dated 10-14-11) (new standard)

Covers solid-state automatic transfer switches intended for use in ordinary locations to provide for lighting and power only in optional stand-by systems in accordance with Article 702 of the "American National Standard National Electrical Code," ANSI/NFPA 70.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Linda Phinney, (408) 754-6684, Linda.L.Phinney@us.ul.com

Projects Withdrawn from Consideration

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

ANS (American Nuclear Society)

BSR/ANS 51.1-200x, Nuclear Safety Design Criteria for Light Water Reactors (new standard)

BSR/ANS 52.1-200x, Boiling Water Reactor Plants, Nuclear Safety Criteria for the Design of Stationary (new standard)

CEA (Consumer Electronics Association)

* BSR/CEA 2022-A-200x, Digital STB Active Power Consumption Measurement (revision of ANSI/CEA 2022-2007)

UL (Underwriters Laboratories, Inc.)

BSR/UL 213-201x, Standard for Safety for Rubber Gasketed Fittings for Fire-Protection Service (revision of ANSI/UL 213-2009a)

Call for Members (ANS Consensus Bodies)

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

AAMI (Association for the Advancement of Medical Instrumentation)

Office: 4301 N Fairfax Drive
Suite 301
Arlington, VA 22203-1633

Contact: *Jennifer Moyer*

Phone: (703) 253-8274

Fax: (703) 276-0793

E-mail: jmoyer@aami.org

BSR/AAMI/IEC 62366-201x, Medical devices - Application of usability engineering to medical device (identical national adoption and revision of ANSI/AAMI/IEC 62366-2007)

BSR/AAMI/ISO 13408-1-2008/A1-201x, Aseptic processing of health care products - Part 1: General requirements - Amendment 1 (addenda to ANSI/AAMI/ISO 13408-1-2008)

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

Office: 1800 East Oakton Street
Des Plaines, IL 60018-2187

Contact: *Timothy Fisher*

Phone: (847) 768-3411

Fax: (847) 296-9221

E-mail: TFisher@ASSE.org

BSR ASSE A10.8-201x, Scaffolding Safety Requirements (revision of ANSI ASSE A10.8-2001)

ASSE (ASC Z359) (American Society of Safety Engineers)

Office: 1800 East Oakton Street
Des Plaines, IL 60018-2187

Contact: *Timothy Fisher*

Phone: (847) 768-3411

Fax: (847) 296-9221

E-mail: TFisher@ASSE.org

BSR/ASSE Z359.14-201x, Safety Requirements for Self-Retracting Devices For Personal Fall Arrest and Rescue Systems (new standard)

IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

Office: 5001 East Philadelphia Street
Ontario, CA 91761-2816

Contact: *Abraham Murra*

Phone: (909) 472-4106

Fax: (909) 472-4154

E-mail: abraham.murra@iapmort.org

BSR/IAPMO Z1115-201x, On-Demand or Automatic Hot Water Pumping Systems (new standard)

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

Office: 1101 K Street NW, Suite 610
Washington, DC 20005

Contact: *Barbara Bennett*

Phone: (202) 626-5743

Fax: (202) 638-4922

E-mail: bbennett@itic.org

BSR INCITS 476-2011/AM1-201x, Amendment 1 to INCITS 476-2011, Information technology - SAS Protocol Layer, (SPL/AM1) (supplement to ANSI INCITS 476-2011)

BSR INCITS 491-201x, Information technology - SCSI/ATA Translation - 4 (SAT-4) (new standard)

BSR INCITS 492-201x, Information technology - SAS Protocol Layer - 3 (SPL-3) (new standard)

BSR INCITS 493-201x, Information technology - AT Attachment 8 - ATA/ATAPI Serial Transport (ATA8-AST) (new standard)

NECA (National Electrical Contractors Association)

Office: 3 Bethesda Metro Center
Suite 1100
Bethesda, MD 20814

Contact: *Michael Johnston*

Phone: (301) 215-4521

Fax: (301) 215-4500

E-mail: am2@necanet.org

BSR/NECA 100-201x, Symbols for Electrical Construction Drawings (revision of ANSI/NECA 100-2006)

BSR/NECA/IESNA 502-201x, Standards for Installing Industrial Lighting Systems (revision of ANSI/NECA/IESNA 502-1999 (R2006))

TIA (Telecommunications Industry Association)

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

Contact: *Stephanie Montgomery*

Phone: (703) 90-77700

Fax: (703) 907-7727

E-mail: smontgomery@tiaonline.org

BSR/TIA 41.511-E-2004 (R201x), Mobile Application Part - ANS/SS7
Transport Signaling Protocols (reaffirmation of ANSI/TIA 41.511-E
-2004)

BSR/TIA 41.691-E-2[E]-201x, Mobile Application Part (MAP) - Annexes
for the 6XX Series (new standard)

BSR/TIA 4953-201x, Acoustic Performance Requirements and
Measurement Methods for High-Gain Amplified Telephones (new
standard)

BSR/TIA 4965-201x, Telecommunications - Telephone Terminal
Equipment - Receive Volume Control Requirements for Digital and
Analog Wireline Terminals (new standard)

UL (Underwriters Laboratories, Inc.)

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E-mail: Derrick.L.Martin@us.ul.com

BSR/UL 1727-201x, Standard for Safety for Commercial Electric
Personal Grooming Appliances (revision of ANSI/UL 1727-2009)

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.

ACMA (American Composites Manufacturers Association)

Revisions

ANSI/ACMA UEF-1-2011a, Estimating Emission Factors from Open Molding and Other Composites Processes (revision of ANSI/ACMA UEF-1-2011): 10/5/2011

AWS (American Welding Society)

Revisions

ANSI/AWS C3.7M/C3.7-2011, Specification for Aluminum Brazing (revision of ANSI/AWS C3.7M/C3.7-2005): 10/5/2011

HPS (ASC N43) (Health Physics Society)

New Standards

- * ANSI N43.1-2011, Radiation Safety for the Design and Operation of Particle Accelerators (new standard): 10/6/2011

ISA (ISA)

Revisions

ANSI/ISA 12.27.01-2011, Requirements for Process Sealing between Electrical Systems and Flammable or Combustible Process Fluids (revision of ANSI/ISA 12.27.01-2002): 10/5/2011

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

New Standards

ANSI INCITS 474-2011, Information Technology - Biometric Application Programming Interface - Java (BioAPI Java) (new standard): 10/5/2011

ANSI INCITS 480-2011, Information technology - BIOS Enhanced Disk Drive Specification - 4 (EDD-4) (new standard): 10/5/2011

Revisions

ANSI INCITS 284-2011, Information Technology - Identification Cards - Health Care Identification Cards (revision of ANSI INCITS 284-1997 (R2008)): 10/5/2011

ITSDF (Industrial Truck Standards Development Foundation, Inc.)

Revisions

ANSI/ITSDF B56.8-2011, Standards Safety for Personnel and Burden Carriers (revision of ANSI/ITSDF B56.8-2006): 10/5/2011

NEMA (ASC C78) (National Electrical Manufacturers Association)

Revisions

ANSI/NEMA ANSLG C78.377-2011, Specifications for the Chromaticity of Solid State Lighting Products for Electric Lamps (revision of ANSI/NEMA ANSLG C78.377-2008): 10/6/2011

NSF (NSF International)

Revisions

- * ANSI/NSF 42-2011 (i69), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2010): 9/29/2011
- * ANSI/NSF 53-2011 (i80), Drinking water treatment units - Health effects (revision of ANSI/NSF 53-2010): 9/29/2011
- * ANSI/NSF 61-2011 (i96), Drinking Water System Components: Health Effects (revision of ANSI/NSF 61-2011): 9/30/2011

SCTE (Society of Cable Telecommunications Engineers)

Revisions

ANSI/SCTE 119-2011, Measurement Procedure for Noise Power Ratio (revision of ANSI/SCTE 119-2006): 10/5/2011

ANSI/SCTE 125-2011, Hard Line Pin (Plug) Connector Return Loss (revision of ANSI/SCTE 125-2007): 10/5/2011

SPRI (Single Ply Roofing Institute)

Revisions

ANSI/SPRI/FM 4435/ES-1-2011, Wind Design Standard for Edge Systems Used with Low Slope Roofing Systems (revision and redesignation of ANSI/SPRI ES-1-2003): 9/29/2011

UL (Underwriters Laboratories, Inc.)

New Standards

ANSI/UL 452-2011, Standard for Safety for Antenna-Discharge Units (new standard): 10/6/2011

ANSI/UL 1067-2011a, Standard for Safety for Electrically Conductive Equipment and Materials for Use in Flammable Anesthetizing Locations (Proposal dated 08-05-11) (new standard): 9/30/2011

ANSI/UL 1067-2011, Standard for Safety for Electrically Conductive Equipment and Materials for Use in Flammable Anesthetizing Locations (new standard): 9/30/2011

- * ANSI/UL 2572-2011, Standard for Communication and Control Units for Mass Notification Systems (new standard): 10/7/2011

Revisions

- * ANSI/UL 283-2011, Standard for Safety for Air Fresheners and Deodorizers (revision of ANSI/UL 283-2010): 9/30/2011
 - * ANSI/UL 283-2011a, Standard for Safety for Air Fresheners and Deodorizers (revision of ANSI/UL 283-2009): 9/30/2011
 - * ANSI/UL 283-2011b, Standard for Safety for Air Fresheners and Deodorizers (revision of ANSI/UL 283-2010): 9/30/2011
- ANSI/UL 793-2011, Standard for Automatically Operated Roof Vents for Smoke and Heat (revision of ANSI/UL 793-2008): 9/30/2011
- ANSI/UL 1569-2011, Standard for Safety for Metal-Clad Cables (revision of ANSI/UL 1569-2009): 10/7/2011
- ANSI/UL 1569-2011a, Standard for Safety for Metal-Clad Cables (revision of ANSI/UL 1569-2009): 10/7/2011

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, which is a database of standards information. Note that this database is not exhaustive.

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

AAMI (Association for the Advancement of Medical Instrumentation)

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BSR/AAMI/IEC 62366-201x, Medical devices - Application of usability engineering to medical device (identical national adoption and revision of ANSI/AAMI/IEC 62366-2007)

Stakeholders: Manufacturers, regulators, academia, users.

Project Need: To include more information on validation or summative usability testing and use error-risk analysis, and to clarify what is expected in a the submission of human factors work for regulatory review.

Specifies a process for a manufacturer to analyze, specify, design, verify, and validate usability, as it relates to safety of a medical device. This usability engineering process assesses and mitigates risks caused by usability problems associated with correct use and use errors, i.e., normal use. It can be used to identify, but does not assess or mitigate, risks associated with abnormal use.

ASABE (American Society of Agricultural and Biological Engineers)

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St Joseph, MI 49085

Contact: *Carla VanGilder*

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BSR/ASABE/ISO 3776-1-201x, Tractors and machinery for agriculture - Seat belts - Part 1: Anchorage location requirements (identical national adoption of ISO 3776-1:2006)

Stakeholders: All manufacturers of tractors and self propelled machinery for agriculture.

Project Need: ISO 3776-1 is a normative reference to ISO 26322-1 and ISO 26322-2, which are normative references for ASABE S318.17, Safety for Agricultural Field Equipment.

Specifies the location, relative position, and threaded hole dimensions of the anchorages for pelvic restraint (seat) belt assemblies intended to be used by the operators of agricultural tractors and self-propelled machinery.

BSR/ASABE/ISO 3776-3-201x, Tractors and machinery for agriculture - Seat belts - Part 3: Requirements for assemblies (identical national adoption of ISO 3776-3:2009)

Stakeholders: All manufacturers of tractors and self-propelled machinery for agriculture.

Project Need: ISO 3776-3 is a normative reference to ISO 26322-1 and ISO 26322-2, which are normative references for ASABE S318.17, Safety for Agricultural Field Equipment.

Specifies the requirements for pelvic restraint (seat) belt assemblies intended to be used by the operators of agricultural tractors and self-propelled machinery.

NOTE: Seat belt assemblies that meet the requirements of UNECE R16:2000, Clause 6, but excluding 6.4 of that regulation, or seat belt assemblies complying with the requirements of SAE J386 are deemed to comply with the requirements of this part of ISO 3776.

BSR/ASABE/ISO 4252-201x, Agricultural tractors - Operator's workplace, access and exit - Dimensions (identical national adoption of ISO 4252:2007)

Stakeholders: All manufacturers of tractors for agriculture.

Project Need: ISO 4252 is a normative reference to ISO 26322-1 and ISO 26322-2, which are normative references for ASABE S318.17, Safety for Agricultural Field Equipment.

Specifies the design dimensions of agricultural tractors having a minimum track width exceeding 1,150 mm in respect of:

- the minimum dimensions of their access doorways;
- the number, location and minimum dimensions of their emergency exits; and
- their minimum internal clearance dimensions.

BSR/ASABE/ISO 26322-1-201x, Tractors for agriculture and forestry - Safety - Part 1: Standard tractors (identical national adoption of ISO 26322-1:2008)

Stakeholders: All manufacturers of tractors for agriculture.

Project Need: ISO 26322-1 is a normative reference to ASABE S318.17, Safety for Agricultural Field Equipment.

Specifies general safety requirements and their verification for the design and construction of standard tractors used in agriculture and forestry with at least 2 axles for pneumatic-tired wheels, with the smallest track gauge of the rear axle >1,150 mm, or tracks instead of wheels, with unballasted tractor mass being >600 kg. Also specifies the type of information on safe working practices to be provided by the manufacturer, as well as the technical means for improving the degree of personal safety of the operator and others involved in a tractor's normal operation, maintenance, and use.

BSR/ASABE/ISO 26322-2-201x, Tractors for agriculture and forestry - Safety - Part 2: Narrow-track and small tractors (identical national adoption of ISO 26322-2:2010)

Stakeholders: All manufacturers of tractors for agriculture.

Project Need: ISO 26322-2 is a normative reference to ASABE S318.17, Safety for Agricultural Field Equipment.

Specifies general safety requirements and verification for design and construction of narrow-track and small tractors used in agriculture and forestry. Specifies the type of information on safe working practices to be provided by manufacturer. Provides the technical means for improving level of personal safety of operators and others involved in normal operation, maintenance, and use of these tractors. Applicable to narrow-track tractors having a least 2 axles for pneumatic-tired wheels, or having tracks instead of wheels with a smallest fixed or adjustable track width <1,150 mm, and to small tractors having an unleaded mass not > 600 kg.

ASME (American Society of Mechanical Engineers)

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New York, NY 10016

Contact: *Mayra Santiago*

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BSR/ASME B18.16.6-2008, Locknuts (Inch Series) (revision of ANSI/ASME B18.16.6-2008)

Stakeholders: Users, manufacturers, distributors, consultants, and government.

Project Need: To consolidate all-metal locknuts into B18.16.6 that are currently covered in IFI-101/107 and IFI 100, and to add information of nut styles commonly referred to as NTE (thin), NM (machine sizes), NU (heavy pattern), and NTU (heavy thin pattern).

Covers the complete general, dimensional, mechanical, and performance data (proof load, prevailing torque, and torque-tension) for carbon steel, inch series hex nylon insert, hex, and hex flange all-metal locknuts in sizes #4 through 1-1/2 inches of property grades NE2, NE5 N2, N5, and N8 for nylon insert locknuts and Grades A, B, C, F, and G for all-metal locknuts designated as a American National Standard.

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

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Des Plaines, IL 60018-2187

Contact: *Timothy Fisher*

Fax: (847) 296-9221

E-mail: TFisher@ASSE.org

BSR ASSE A10.8-201x, Scaffolding Safety Requirements (revision of ANSI ASSE A10.8-2001)

Stakeholders: Safety, Health, and Environmental (SH&E) professionals working with scaffolding-related hazards and

Project Need: Corrections and updates based upon the consensus of the A10 ASC and the ASSE leadership.

Establishes safety requirements for the construction, operation, maintenance and use of scaffolds used in the construction, alteration, demolition, and maintenance of buildings and structures. This standard does not cover permanently installed suspended scaffold systems or aerial platforms.

ASTM (ASTM International)

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West Conshohocken, PA 19428-2959

Contact: *Helene Skloff*

Fax: (610) 834-7013

E-mail: hskloff@astm.org; cleonard@astm.org

BSR/ASTM WK34831-201x, New Test Method for Determination of the Fatty Acid Methyl Esters Content of Aviation Turbine Fuel using Flow Analysis by Fourier Transform Infrared Spectroscopy - Rapid Screening Method (new standard)

Stakeholders: Fuel cleanliness industry.

Project Need: <http://www.astm.org/DATABASE.CART/WORKITEMS/WK34831.htm>

Specifies a rapid screening method using flow analysis by Fourier transform infrared (FA-FTIR) spectroscopy with partial least squares (PLS-1) processing for the determination of the fatty acid methyl ester (FAME) content of aviation turbine fuel (AVTUR), such as Jet A1, in the range of 30 to 150 mg/kg.

ATIS (Alliance for Telecommunications Industry Solutions)

Office: 1200 G Street, NW
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Washington, DC 20005

Contact: *Kerriane Conn*

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E-mail: kconn@atis.org

BSR ATIS 0600010.02-201x, Equipment Handling, Transportation Vibration and Rail Car Shock Requirements for Network Communications Equipment (revision of ANSI ATIS 0600010.02-2009)

Stakeholders: Communications industry.

Project Need: To specify the minimum equipment handling, transportation vibration, and rail car shock criteria for network communications equipment.

Specifies the minimum equipment handling, transportation vibration, and rail car shock criteria for network communications equipment.

BSR ATIS 0600010-201x, Temperature, Humidity, and Altitude Standards (revision of ANSI ATIS 0600010-2007)

Stakeholders: Communications industry.

Project Need: To cover the minimum temperature, humidity, and altitude criteria for telecommunications network equipment to be installed and utilized by service providers in controlled environmental spaces (e.g., Data Centers, Central Offices, Huts, CEVs, and on customer premises).

Covers the minimum temperature, humidity, and altitude criteria for telecommunications network equipment to be installed and utilized by service providers in controlled environmental spaces (e.g., Data Centers, Central Offices, Huts, CEVs, and on customer premises). This standard describes test methodologies and test report criteria necessary for proper evaluation by interested parties, and those intending to deploy equipment in such environments.

BSR ATIS 0600307-201x, Fire Resistance Criteria - Ignitability

Requirements for Equipment Assemblies, Ancillary Non-Metallic Apparatus, and Fire Spread Requirements for Wire and Cable (revision of ANSI ATIS 0600307-2007)

Stakeholders: Communications industry.

Project Need: To cover the fire-resistance characteristics of equipment assemblies and selected products and materials used within telecommunications network equipment facilities and spaces of similar function.

Covers the fire-resistance characteristics of equipment assemblies and selected products and materials used within telecommunications network equipment facilities and spaces of similar function. This standard - along with that latest published version of ATIS 0600319 - shall be used as the means of appraising fire risk within a telecommunications network equipment facility or space with similar function.

CSA (CSA America, Inc.)

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* **BSR Z21.85-201x, Standard for Valve Proving Systems for Automatic Gas Shut-Off Valves (new standard)**

Stakeholders: Consumers, manufacturers, gas suppliers, certifying agencies.

Project Need: To detail test and examination criteria for valve-proving systems.

Applies to Valve Proving Systems for automatic gas shut-off valves that are integrated into fuel gas systems used on burners or stationary gas engines. These requirements apply to a VPS which is capable of operation at ambient temperatures of 32 F to 125 F (0 C to 51.7 C), unless a higher temperature, lower temperature, or both, are specified by the manufacturer.

IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

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Ontario, CA 91761-2816

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* **BSR/IAPMO Z1115-201x, On-demand or Automatic Hot Water Pumping Systems (new standard)**

Stakeholders: Manufacturers, users, inspectors, distributors, designers, and contractors.

Project Need: Needed for testing and certification purposes.

Specifies materials, design, performance, and testing requirements for on-demand or automatic hot-water pumping systems

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

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BSR INCITS 476-2011/AM1-201x, Amendment 1 to INCITS 476-2011, Information technology - SAS Protocol Layer, (SPL/AM1) (supplement to ANSI INCITS 476-2011)

Stakeholders: No impact is expected.

Project Need: To correct a defect identified in the present SAS Protocol Layer standard.

Corrects defects in SPL (ANSI INCITS 476-2011).

BSR INCITS 491-201x, Information technology - SCSI/ATA Translation - 4 (SAT-4) (new standard)

Stakeholders: Users who need a more consistent mapping of SCSI to ATA.

Project Need: To include new functionality and further define appropriate translations into the SCSI domain for ATA feature sets that were not defined for previous generations of the SAT standard.

Defines standard mappings and behaviors among implementations that effect the behavior of SCSI devices as viewed by a host driver where the physical devices are ATA class devices presented to the host by applying a translation layer between the Serial ATA or Parallel ATA device and the SCSI interface. This project creates the next generation of translation of SCSI commands and behaviors into the ATA commands and behaviors, leveraging the previous SAT standard for expansion.

BSR INCITS 492-201x, Information technology - SAS Protocol Layer - 3 (SPL-3) (new standard)

Stakeholders: Users of Serial Attached SCSI software and hardware.

Project Need: To provide a compatible evolution of the present SAS Protocol Layer - 2 standard.

Provides:

(a) enhancements to the protocol;

(b) corrections and clarifications; and

(c) other capabilities that may fit within the scope of this project.

SAS Protocol Layer - 3 is the next generation of the protocol portion of current Serial Attached SCSI. It follows SPL-2, SPL, and the protocol portions of SAS-2, SAS-1.1, and SAS.

NECA (National Electrical Contractors Association)

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* **BSR/NECA 100-201x, Symbols for Electrical Construction Drawings (revision of ANSI/NECA 100-2006)**

Stakeholders: Electrical contractors and their customers, inspectors, specifiers, electricians.

Project Need: To go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "neat and workmanlike" manner

Describes graphic symbols used to represent electrical wiring equipment on construction drawings.

- * BSR/NECA/IESNA 502-201x, Standards for Installing Industrial Lighting Systems (revision of ANSI/NECA/IESNA 502-1999 (R2006))
 Stakeholders: Electrical contractors and their customers, inspectors, specifiers, electricians.
 Project Need: To go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "neat and workmanlike" manner

Describes installation procedures for lighting systems commonly used in industrial and storage buildings, including, but not limited to, the following:

- (a) High-intensity discharge (HID) low-bay and high-bay lighting systems;
- (b) Fluorescent strip lights and general-purpose industrial overhead lighting systems;
- (c) Common special-purpose and special-environment industrial luminaires; and
- (d) Lighting installed on industrial wireway and track lighting systems.

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

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 Reston, VA 20191

Contact: Debra Orf

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BSR CGATS/ISO 12640-4-201x, Graphic technology - Prepress digital data exchange - Part 4: Wide gamut display-referred standard colour image data [Adobe RGB(1998)/SCID]. (identical national adoption of ISO 12640-4)

Stakeholders: Users and manufacturers of systems utilizing Adobe RGB as the reference encoding.

Project Need: To define a set of standard wide-gamut display-referred color images that can be used to evaluate changes in image quality during coding, image processing, displaying on a color monitor, and printing.

Specifies a set of standard wide-gamut display-referred color images [encoded as 16-bit Adobe RGB (1998) digital data] that can be used for the evaluation of changes in image quality during coding, image processing (including color re-rendering and color space transformations, compression and decompression), displaying on a color monitor and printing. These images can be used for research, testing, and assessing of output systems such as printers, color management systems, and color profiles. This standard is only available on DVD.

TIA (Telecommunications Industry Association)

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BSR/TIA 4953-201x, Acoustic Performance Requirements and Measurement Methods for High-Gain Amplified Telephones (new standard)

Stakeholders: Telecommunications Industry Association.

Project Need: To develop Analog and digital interface telephones including handsets, headsets, and speakerphones.

Establishes a measurement standard that enables comparing two different 180 high-gain amplified telephones in a meaningful way and to provide useful information for end-users with 181 hearing loss who depend on such devices to enable acquiring such a device with greater confidence.

BSR/TIA 4965-201x, Telecommunications - Telephone Terminal Equipment - Receive Volume Control Requirements for Digital and Analog Wireline Terminals (new standard)

Stakeholders: Telecommunications Industry Association.

Project Need: To combine the volume control requirements into one standard.

Establishes receive volume control requirements and testing methods for narrowband digital, wideband digital, and analog wireline terminals. Currently, volume control requirements for these types of terminals are included in different standards documents, each with their own revision cycle.

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, 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.

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

ANSI 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.

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ACMA

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AISI

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ANS

American Nuclear Society

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APA

APA - The Engineered Wood
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ASABE

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ASME

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ASSE (Safety)

American Society of Safety Engineers

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ASTM

ASTM International

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ATIS

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AWS

American Welding Society

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CEA

Consumer Electronics Association

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CSA

CSA America, Inc.

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Web: www.csa-america.org

HPS (ASC N13)

Health Physics Society

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IAPMO (Z)

International Association of Plumbing
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IEEE

Institute of Electrical and Electronics
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ISA (Organization)

ISA-The Instrumentation, Systems,
and Automation Society

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Web: www.isa.org

ITI (INCITS)

InterNational Committee for
Information Technology Standards

1101 K Street NW, Suite 610
Washington, DC 20005
Phone: (202) 626-5743
Fax: (202) 638-4922
Web: www.incits.org

ITSDF

Industrial Truck Standards
Development Foundation, Inc.

1750 K Street NW
Suite 460
Washington, DC 20006
Phone: (202) 296-9880
Fax: (202) 478-7599
Web: www.indtrk.org/default.asp

NECA

National Electrical Contractors
Association

3 Bethesda Metro Center
Suite 1100
Bethesda, MD 20814
Phone: (301) 215-4521
Fax: (301) 215-4500
Web: www.necanet.org

NEMA (ASC C29)

National Electrical Manufacturers
Association

1300 North 17th Street, Suite 1752
Rosslyn, VA 22209
Phone: (703) 841-3253
Fax: (703) 841-3353
Web: www.nema.org

NEMA (ASC C81)

National Electrical Manufacturers
Association

1300 North 17th Street, Suite 1847
Rosslyn, VA 22209
Phone: (703) 841-3277
Web: www.nema.org

NIST/ITL

National Institute of Standards and
Technology/Information
Technology Laboratory

100 Bureau Drive
Gaithersburg, MD 20899
Phone: (301) 975 5663
Fax: (301) 975-5287
Web: www.nist.gov

NPES (ASC CGATS)

NPES

1899 Preston White Drive
Reston, VA 20191
Phone: (703) 264-7200
Fax: (703) 620-0994
Web: www.npes.org

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105
Phone: (734) 827-5643
Fax: (734) 827-7880
Web: www.nsf.org

SCTE

Society of Cable Telecommunications
Engineers
140 Philips Rd.
Exton, PA 19341
Phone: (610) 594-7308
Fax: (610) 363-5898
Web: www.scte.org

SPRI

Single Ply Roofing Institute
411 Waverley Oaks Road, Suite 331B
Waltham, MA 02452
Phone: (781) 647-7026
Fax: (781) 647-7222
Web: www.spri.org

TIA

Telecommunications Industry
Association
2500 Wilson Blvd., Suite 300
Arlington, VA 22201
Phone: (703) 90-77700
Fax: (703) 907-7727
Web: www.tiaonline.org

UL

Underwriters Laboratories, Inc.
12 Laboratory Drive
Research Triangle Park, NC 27709
Phone: (919) 549-1851
Fax: (919) 547-6498
Web: www.ul.com/



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. When making your request, please provide the date of the Standards Action issue in which the draft document you are requesting appears.

AIR QUALITY (TC 146)

ISO/DIS 14382, Workplace atmospheres - Determination of toluene diisocyanate vapours using 1-(2-pyridyl)piperazine-coated glass fibre filters and analysis by high performance liquid chromatography with ultraviolet and fluorescence detectors - 1/4/2012, \$77.00

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

ISO 7396-1/DAmD3, Medical gas pipeline systems - Part 1: Pipeline systems for compressed medical gases and vacuum - Draft Amendment 3 - 1/6/2012, \$29.00

COMPRESSORS, PNEUMATIC TOOLS AND PNEUMATIC MACHINES (TC 118)

ISO/DIS 3857-4, Compressors, pneumatic tools and machines - Vocabulary - Part 4: Air treatment - 1/5/2012, \$46.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

ISO/DIS 25178-605, Geometrical product specifications (GPS) - Surface texture: Areal - Part 605: Nominal characteristics of non-contact (point autofocus probe) instruments - 1/6/2012, \$88.00

FINE CERAMICS (TC 206)

ISO/DIS 22197-4, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for air-purification performance of semiconducting photocatalytic materials - Part 4: Removal of formaldehyde - 1/3/2012, \$53.00

ISO/DIS 22197-5, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for air-purification performance of semiconducting photocatalytic materials - Part 5: Removal of methyl mercaptan - 1/3/2012, \$53.00

FLUID POWER SYSTEMS (TC 131)

ISO/DIS 6358-3, Pneumatic fluid power - Determination of flow-rate characteristics of components - Part 3: Method for calculating steady-state flow-rate characteristics of assemblies - 1/6/2012, FREE

GRAPHICAL SYMBOLS (TC 145)

ISO 7010/DAmD115, Safety sign E024: Evacuation temporary refuge - 1/4/2012, \$29.00

ISO 7010/DAmD116, Safety sign E025: Emergency call point - 1/4/2012, \$29.00

ISO 7010/DAmD117, Safety sign E026: First aid call point - 1/4/2012, \$29.00

ISO 7010/DAmD118, Safety sign F007: Fire alarm sounder - 1/4/2012, \$29.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO/DIS 22400-2, Automation systems and integration - Key performance indicators for manufacturing operations management - Part 2: Definitions and descriptions - 1/4/2012, \$155.00

MEDICAL DEVICES FOR INJECTIONS (TC 84)

ISO/DIS 10555-4, Intravascular catheters - Sterile and single-use catheters - Part 4: Balloon dilatation catheters - 4/7/2012, \$62.00

ISO/DIS 10555-5, Intravascular catheters - Sterile and single-use catheters - Part 5: Over-needle peripheral catheters - 1/6/2012, \$58.00

PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)

ISO/DIS 5294, Synchronous belt drives - Pulleys - 1/5/2012, \$53.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO/DIS 10315, Cigarettes - Determination of nicotine in smoke condensates - Gas-chromatographic method - 1/7/2012, \$46.00

ISO/DIS 16632, Tobacco and tobacco products - Determination of water content - Gas-chromatographic method - 1/7/2012, \$53.00



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. All paper copies are available from Standards resellers (<http://webstore.ansi.org/faq.aspx#resellers>).

ISO/IEC JTC 1, Information Technology

ISO/IEC 29176:2011, Information technology - Mobile item identification and management - Consumer privacy-protection protocol for Mobile RFID services, \$65.00

ISO/IEC 18046-1:2011, Information technology - Radio frequency identification device performance test methods - Part 1: Test methods for system performance, \$167.00

ISO/IEC JTC 1 Technical Reports

ISO/IEC TR 27008:2011, Information technology - Security techniques - Guidelines for auditors on information security controls, \$135.00

ISO/IEC TR 29158:2011, Information technology - Automatic identification and data capture techniques - Direct Part Mark (DPM) Quality Guideline, \$92.00

ISO/IEC TR 24754-2:2011, Information technology - Document description and processing languages - Minimum requirements for specifying document rendering systems - Part 2: Formatting specifications for document rendering systems, \$110.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 27871:2011, Cheese and processed cheese - Determination of the nitrogenous fractions, \$65.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/PAS 21100:2011, Air cargo unit load devices - Performance requirements and test parameters, \$135.00

CLEANING EQUIPMENT FOR AIR AND OTHER GASES (TC 142)

ISO 29463-1:2011, High-efficiency filters and filter media for removing particles in air - Part 1: Classification, performance testing and marking, \$86.00

ISO 29463-2:2011, High-efficiency filters and filter media for removing particles in air - Part 2: Aerosol production, measuring equipment and particle-counting statistics, \$110.00

ISO 29463-3:2011, High-efficiency filters and filter media for removing particles in air - Part 3: Testing flat sheet filter media, \$98.00

ISO 29463-4:2011, High-efficiency filters and filter media for removing particles in air - Part 4: Test method for determining leakage of filter elements - Scan method, \$135.00

ISO 29463-5:2011, High-efficiency filters and filter media for removing particles in air - Part 5: Test method for filter elements, \$104.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

ISO 15530-3:2011, Geometrical product specifications (GPS) - Coordinate measuring machines (CMM): Technique for determining the uncertainty of measurement - Part 3: Use of calibrated workpieces or measurement standards, \$92.00

FIRE SAFETY (TC 92)

ISO 12949:2011, Standard test method for measuring the heat release rate of low flammability mattresses and mattress sets, \$104.00

FLUID POWER SYSTEMS (TC 131)

ISO 4397:2011, Fluid power connectors and associated components - Nominal outside diameters of tubes and nominal hose sizes, \$43.00

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

ISO 20312:2011, Petroleum and natural gas industries - Design and operating limits of drill strings with aluminium alloy components, \$157.00

PAINTS AND VARNISHES (TC 35)

ISO 12137:2011, Paints and varnishes - Determination of mar resistance, \$57.00

ISO 1518-2:2011, Paints and varnishes - Determination of scratch resistance - Part 2: Variable-loading method, \$57.00

PLASTICS PIPES, FITTINGS AND VALVES FOR THE TRANSPORT OF FLUIDS (TC 138)

ISO 13272:2011, Plastics piping systems for non-pressure underground drainage and sewerage - Unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP), polypropylene with mineral modifiers (PP-MD) and polyethylene (PE) - Specifications for manholes and inspection chambers in traffic areas and underground installations, \$98.00

ROAD VEHICLES (TC 22)

ISO 6722-1:2011, Road vehicles - 60 V and 600 V single-core cables - Part 1: Dimensions, test methods and requirements for copper conductor cables, \$141.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 30013:2011, Rubber and plastics hoses - Methods of exposure to laboratory light sources - Determination of changes in colour, appearance and other physical properties, \$104.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/PAS 30004:2011, Ships and marine technology - Ship recycling management systems - Guidelines for the implementation of ISO 30000, \$141.00

TEXTILES (TC 38)

ISO 105-B10:2011, Textiles - Tests for colour fastness - Part B10: Artificial weathering - Exposure to filtered xenon-arc radiation, \$80.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO 14906:2011, Electronic fee collection - Application interface definition for dedicated short-range communication, \$206.00

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

FMI Medical Systems, Inc.

Public Review: July 22 to October 14, 2011

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 or notifyus@nist.gov.

Information Concerning

American National Standards

INCITS Executive Board

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

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

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

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

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

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

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 or by email from standards@scte.org.

PINS Correction

Incorrect Project Intent

BSR/ASME B89.3.9-201x

The September 19, 2011 Standards Action PINS listing for BSR/ASME B89.3.9-201x was mistakenly listed as a revision, but is actually a newly proposed standard.

ANSI Accredited Standards Developers

Administrative Reaccreditation

Risk and Insurance Management Society (RIMS)

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of the Risk and Insurance Management Society (RIMS) has been administratively approved under its recently revised operating procedures for documenting consensus on proposed American National Standards, effective October 7, 2011. For additional information, please contact: Mr. Nathan Bacchus, Government Affairs Manager, Risk and Insurance Management Society, 1065 Avenue of the Americas, 13th Floor, New York, NY 10018; PHONE: (212) 655-6215; FAX: (212) 655-2699; E-mail: nbacchus@rims.org.

ANSI Accreditation Program for Greenhouse Gas Verification/Validation Bodies

Scope Extension

Ruby Canyon Engineering, Inc.

Comment Deadline: November 14, 2011

Ruby Canyon Engineering, Inc.
Mr. Michael Cote
743 Horizon Court, Suite 385
Grand Junction, CO 85106
PHONE: (970) 241-9298
E-mail: mcote@rubycanyoneng.com

On October 6, 2011, the ANSI Greenhouse Gas Validation/Verification Accreditation Committee voted to approve an extension of scope of accreditation for Ruby Canyon Engineering, Inc. for the following:

Standards:

ISO 14065, Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

Scopes:

Validation of assertions related to GHG emission reductions and removals at the project level

Sector Group 01. GHG emission reductions from fuel combustion

Sector Group 02. GHG emission reductions from industrial processes (non-combustion, chemical reaction, fugitive and other)

Please send your comments by November 14, 2011 to Ann Bowles, Senior Program Manager, GHG Program, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036; FAX: (202) 293-9287, or E-mail: abowles@ansi.org.

ANSI Certificate Accreditation Program (ANSI-CAP)

Initial Accreditations

Blue C LLC

Comment Deadline: November 14, 2011

Blue C LLC

PO Box 77,
Heron, MT 59844

Blue C LLC has received ANSI accreditation under ANSI/ATM E2659 for the following scope.

- HVACR 4 Year Apprenticeship Program

Please send your comments by November 14, 2011 to Roy Swift, Ph.D., Senior Director Personnel Credentialing Accreditation Program, American National Standards Institute, 1899 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293-9287 or E-mail: rswift@ansi.org.

National Environmental Health Association

Comment Deadline: November 14, 2011

National Environmental Health Association

720 S Colorado Blvd, Suite 1000N
Denver CO 80246

National Environmental Health Association received ANSI accreditation under ANSI/ATM E2659 for the following scope

- Food Handler Training Certificate

Please send your comments by November 14, 2011 to Roy Swift, Ph.D., Senior Director Personnel Credentialing Accreditation Program, American National Standards Institute, 1899 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293-9287 or E-mail: rswift@ansi.org.

National Restaurant Association Solutions, LLC

Comment Deadline: November 14, 2011

National Restaurant Association Solutions, LLC

175 W Jackson Blvd, Suite 1500
Chicago, IL 60604

National Restaurant Association Solutions, LLC received ANSI accreditation under ANSI/ATM E2659 for the following scope

- ServSafe Food Handler Program

Please send your comments by November 14, 2011 to Roy Swift, Ph.D., Senior Director Personnel Credentialing Accreditation Program, American National Standards Institute, 1899 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293-9287 or E-mail: rswift@ansi.org.

TAP Series

Comment Deadline: November 14, 2011

TAP Series

5655 Lindero Canyon Rd., Suite 501
Westlake Village, CA 91362

TAP Series received ANSI accreditation under ANSI/ATM E2659 for the following scope

- California Food Handler Course and Assessment

Please send your comments by November 14, 2011 to Roy Swift, Ph.D., Senior Director Personnel Credentialing Accreditation Program, American National Standards Institute, 1899 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293-9287 or E-mail: rswift@ansi.org.

International Electrotechnical Commission

New (and First) Project Committee

PC 118 – Smart Grid User Interface

See [page 22](#) for information.

New Technical Committee

TC 119 – Printed Electronics

The IEC National Committees have voted in favor of establishing a new TC 119 on Printed Electronics

Initial Scope

Standardization of terminology, materials, processes, equipments, products, and health/safety/environment which are related to the printing methods for electronics.

The U.S. National Committee has indicated its intent to become a Participating Member of this TC. If the USNC is to become a P Member, a Technical Advisory Group (TAG) will have to be established, a TAG Administrator assigned, and a Technical Advisor and TAG Secretary appointed. If any entities are interested in these positions, they are invited to contact Tony Zertuche, USNC Deputy General Secretary at tzertuche@ansi.org.

International Electrotechnical Commission (IEC)

New (and First) Project Committee

PC 118 – Smart Grid User Interface

The IEC National Committees have voted in favor of establishing its first Project Committee, PC 118 on Smart Grid User Interface and will pursue the following two parts of the standard.

Initial Scope

Smart Grid User Interface, Part 1: Standard of exchange interface between demand-side smart equipment and the grid

This standard provides definition and description of interoperable interface between smart grid and various demand-side equipment from the perspective of power grid, mainly including smart building, smart home, distributed energy resources, EV, etc. It will establish a model for information exchange between demand-side equipment and power grid by using object-oriented modeling technology. It will also specify interaction modes, data format, communication protocol, as well as security and protection, etc., which will not only meet the demands of various applicable functions and future expansion, but also satisfy the requirements of openness and interoperability.

and

Smart Grid User Interface, Part 3: Power Demand Response Standard

This standard defines and describes (1) a communication model for the interaction between smart systems and power grid, covering smart home, smart building, electric vehicles, distributed energy resources, etc.; (2) general function requirements of power demand responses; (3) performance indexes of power demand response; and (4) security and protection of power demand response.

For information: IEC TC 8 (System Aspects for Electrical Energy Supply) has been invited to undertake an activity for Part 2: Domain Side Energy Source Interconnection with the Grid.

The U.S. National Committee has indicated its intent to become a Participating Member of this PC. If the USNC is to become a P Member, a Technical Advisory Group (TAG) will have to be established, a TAG Administrator assigned, and a Technical Advisor and TAG Secretary appointed. If any entities are interested in these positions, they are invited to contact Tony Zertuche, USNC Deputy General Secretary at tzertuche@ansi.org.

Draft Proposed American National Standard for Information Systems, Data Format for the Interchange of Fingerprint, Facial & Other Biometric Information, [ANSI/NIST-ITL 1-201x](#), completed a 45-day letter ballot on August 31, 2011. The four Negative votes have changed their responses to Affirmative based upon the proposed resolution of their comments. The substantive changes that resulted from resolution of the comments are:

1. Making the TOT field in Type-1 records optional (They can still be mandatory in profiles like EBTS).

1.

8.1.4 Field 1.004 Type of transaction / TOT

This optional field shall contain an identifier, which designates the type of transaction and subsequent processing that this transaction should be given. This shall be a maximum of 16 alphabetic characters. The **TOT** shall be in accordance with definitions provided by the domain or application profile.) Earlier versions of this standard specifically restricted the character length of **TOT** to 4 characters and the field was mandatory. In order to maintain backward compatibility for older parsers in Traditional encoding that expect the presence of the field, this field shall be present and set to a value of “None” when transcoding from XML encoding to Traditional encoding and the field is not present in the XML version. This requirement may be overridden by an application profile of ANSI/NIST-ITL 1-2011. Note that implementation domains and application profiles may specify this field as mandatory in any or all encodings.

2. Adding a new field 9.363 for EFS Relative rotation of corresponding print

8.9.7.50 Field 9.363: EFS relative rotation of corresponding print / RRC

This optional field may be used when two or more images contained in a single ANSI/NIST-ITL transaction are compared. This field indicates the relative overall rotation necessary for the prints to be compared. Each subfield consists of 2 information items. The number of subfields is limited only by the number of Type-9 records in the transaction.

The first information item (**rotation IDC reference / RIR**) indicates the **IDC** for the Type-9 record associated with the target image/ Type-9 record for a given **RRC**. See Section **7.3.1**. See **Field 9.360** or **Field 9.362** for examples of other **IDC** references.)

The second information item (**relative overall rotation / ROR**) defines the integer number of degrees that the target image and/or features referenced by **RIR** shall be rotated to correspond to the data in this Type-9 record. Positive numbers indicate degrees counterclockwise; negative numbers indicate degrees clockwise: (-179 to 180 inclusive). The allowed special character is the negative sign.

3. Allowing JPEG for 500 ppi in legacy systems ONLY (the standard had WSQ in ALL circumstances)

Wavelet Scalar Quantization (WSQ) shall be used for compressing grayscale friction ridge data at 500 ppi class for new systems. In order to maintain backward compatibility, legacy systems may use JPEGB or JPEGL for compressing 500 ppi class images.

4. Changing field specifying image characteristics in Record Types 14, 15, 17 & 19 to dependent, since the image in field 999 may not be present.

The record layout tables for each record type were change to have a minimum occurrence of 0 instead of 1 and the type changed from M (Mandatory) to D (Dependent). The text for the fields was changed to: This field is mandatory if an image is present in **Field xx.999**. Otherwise it is absent.

5. Added statement that latent prints should not be compressed with any lossy algorithm.

Latent images shall not be compressed with any lossy compression algorithm. It is required that images be stored uncompressed, or that PNG or other totally lossless compression algorithm be used for latent images.

6. Field 9.323 EFS Center point of reference changed its bounds to allow for a center of the image that is outside of the ROI.

The center point of reference is the sole EFS feature that can be located outside of the EFS region of interest. For example, this allows the estimated center of the finger to be marked even for an extreme side. The origin of **CPR**, like all other EFS features, is relative to the top left of **Field 9.300: EFS region of interest / ROI**. Note that this means that the X and Y values for **CPR** are the only EFS coordinates that may be negative, or greater than the **ROI** width or height. The center point of reference must be within the bounds of the overall image itself. Thus the allowed special character is the negative sign.

7. Field 9.332 was expanded to handle a new algorithm type: Quadrant

QUADRANT	The minutiae used for ridge counts are the nearest neighbors in four quadrants, defined by the image's vertical and horizontal axes. The quadrants, with the 1 st quadrant at the upper right and the 2 nd through 4 th quadrants proceeding counterclockwise. Ridge count values are set to the number of intervening ridges.
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3.x part per million (PPM) concentration: A ppm concentration for product or process chemicals is the ratio of one unit of a pure chemical substance per one million units of the mechanically inseparable and contiguous object or mixture in which it is contained.

3.x.1 ratio for process chemical: For process chemicals the ratio is evaluated on the object or mixture as it is originally supplied, before any manufacturing operations. The ratio may be reported in units of mass/mass, volume/volume, or mass/volume.

3.x.2 ratio for product chemical: For product chemicals the ratio is evaluated separately for each of the constituent objects or mixtures within an assembly. The ratio may be reported in units of mass/mass.

3.x.3 ratio for product chemicals assessed: The total mass of the product chemicals assessed is divided by the total mass of the entire product in order to determine what percent of the product has been assessed.

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This document is part of the NSF International standard development process. This document is subject to change and may be a draft and/or non-final version. Committee members may reproduce, quote from, and/or circulate this document to persons or entities outside of their organization after first providing NSF International with written notice of to whom and for what purpose this document is to be shared.

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6.2.2 Input PBT chemicals and other chemicals of concern (prerequisite)

A manufacturer shall receive one point for documenting that PBTs are not **deliberately** present at 0.1% or greater in the product. This shall apply to the incoming raw materials that result in 0.1% or greater of the final product. Refer to Annex B, Figure B1 for a definition of the boundaries to be included in this inventory.

6.3 Manufacturing emissions inventory and credit for voluntary reductions beyond compliance

6.3.1 ~~Polybrominated diphenyl ether (PBDE) flame-retardants and C8 fluorotelomers~~ (prerequisite)

A manufacturer shall receive one point for:

~~1) documenting, via formulary declaration, that the product does not contain more than 0.1% of either pentaBDE or octaBDE by mass, as required in the State of California's Health and Safety Code, Section 108920-108922. Polybrominated diphenyl ethers in carpet are required to be phased out from carpet products in California, and other states are considering similar action. PBDEs are accumulating in fat tissue of living organisms and are implicated in brain and thyroid problems (PBDE Flame Retardants – A Growing Concern, Washington State Department of Ecology 2004).~~

And

2) documenting that the product does not contain fluorotelomers based on C8 or higher fluorocarbon chemistries

Reason: This section was removed as it is covered by adding the reference to the April 2008 RoHS list in Annex B.

6.3.12 Minimization of indoor volatile organic chemical (VOC) emissions (prerequisite for gold and platinum)

Note: Re-numbering will occur hereafter based on the deletion.

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Annex B
 (normative)

Table B.1 – Persistent, bioaccumulative, and toxic (PBT) chemicals

CHEMICAL NAME	CAS RN	Final CERCLA RQ ⁴	Units	POPs ⁵	BI-NAT ⁶	TRI ⁷	RCRA ⁸	RoHS ⁹
Acenaphthene	83-32-9	5000	lbs				X	
Acenaphthylene	208-96-8	5000	lbs				X	

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CHEMICAL NAME	CAS RN	Final CERCLA RQ ⁴	Units	POPs ⁵	BI-NAT ⁶	TRI ⁷	RCRA ⁸	RoHS ⁹
Aldrin ³	309-00-2	1	lbs	X	X	X		
Anthracene	120-12-7	5000	lbs				X	
Benzo (g,h,i)perylene	191-24-2	5000	lbs			X	X	
Benzo(a)pyrene	50-32-8	1	lbs		X			
Cadmium	7440-43-9	10	lbs				X	X
Chlordane	57-74-9	1	lbs	X	X	X		
Chromium (hexavalent)		N/A						X
DDT (also DDD and DDE on Bi-national list)	50-29-3	1	lbs	X	X			
Dibenzofuran	132-64-9	100	lbs				X	
Dieldrin ³	60-57-1	1	lbs	X	X			
Dioxins ²	1746-01-6	N/A		X	X	X	X	
Endosulfan, alpha and Endosulfan, beta ¹	959-98-8 33213-65-9	1	lbs				X	
Endrin	72-20-8	1	lbs	X				
Fluorene	86-73-7	5000	lbs				X	
Furans ²	110-00-09	100	lbs	X	X		X	
Heptachlor ¹	76-44-8	1	lbs	X		X	X	
Heptachlor epoxide ¹	1024-57-3	1	lbs				X	
Hexachlorobenzene	118-74-1	10	lbs	X	X	X	X	
Hexachlorobutadiene	87-68-3	1	lbs				X	
Hexachlorocyclohexane, gamma (Lindane)	58-89-9	1	lbs				X	
Isodrin	465-73-6	1	lbs			X		
Lead (alkyl lead on Bi-national list)	7439-92-1	10	lbs		X	X	X	X
Mercury	7439-97-6	1	lbs		X	X	X	X
Methoxychlor	72-43-5	1	lbs			X	X	
Mirex	2385-85-5	N/A		X	X			
Naphthalene	91-20-3	100	lbs				X	
Octachlorostyrene	29082-74-4	N/A			X	X		
PAH Group (polycyclic aromatic hydrocarbons as defined in TRI)		N/A				X	X	
PBB (polybrominated biphenyls)		N/A						X
PBDE (polybrominated diphenyl ethers)		N/A						X
PCB (polychlorinated biphenyls)	1336-36-3	1	lbs	X	X	X	X	
Pendimethalin	40487-42-1	N/A				X	X	
Pentachlorobenzene	608-93-5	10	lbs			X	X	
Pentachloronitrobenzene	82-68-8	100	lbs				X	
Pentachlorophenol	87-86-5	10	lbs				X	

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CHEMICAL NAME	CAS RN	Final CERCLA RQ ⁴	Units	POPs ⁵	BI-NAT ⁶	TRI ⁷	RCRA ⁸	RoHS ⁹
Phenanthrene	85-01-8	5000	lbs				X	
Pyrene	129-00-0	5000	lbs				X	
Tetrabromobisphenol A	79-94-7	N/A				X		
Tetrachlorobenzene (1,2,4,5-)	95-94-3	5000	lbs				X	
Toxaphene	8001-35-2	1	lbs	X	X	X		
Trichlorobenzene (1,2,4-)	120-82-1	100	lbs				X	
Trichlorophenol (2,4,5-)	95-95-4	10	lbs				X	
Trifluralin	1582-09-8	10	lbs			X	X	

¹ Heptachlor, heptachlor epoxide, and endosulfan alpha/beta are listed together on the RCRA Waste Minimization List.

² Dioxins and furans are listed separately on Stockholm Convention POPs, and listed together on bi-national PBTs and RCRA Waste Minimization List; TRI PBT lists "dioxin and dioxin-like compounds."

³ Aldrin and dieldrin are listed together on the Bi-national PBT list.

⁴ USEPA Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Reportable Quantities, 40 CFR 302.4, www.epa.gov/superfund/policy/cercla.htm

⁵ Stockholm Convention on Persistent Organic Pollutants (POPs), www.chem.unep.ch/Default.htm

⁶ USEPA, Great Lakes Pollution Prevention and Toxics Reduction, Level I Substances, www.epa.gov/glnpo/p2/bns.html

⁷ U. S. Environmental Protection Agency (USEPA), SARA Title III Toxic Release Inventory (TRI) Emissions, www.epa.gov/tri/chemical

⁸ USEPA Resource Conservation and Recovery Act (RCRA), www.epa.gov

⁹ Directive 2002/95/EC of the European Parliament and of the Council, Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS), current version January 2003

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Table 12 – Sustainability assessment for carpet matrix
(Prerequisites in bold)

Public health and environment (PHE) 30 points	Energy and energy efficiency (EN) 20 points	Bio-based content, recycled content, and EPP materials (MATLS) 22 points	Manufacturing (MFG) 17 points	Reclamation and End of life management (EOL) 25 points
<p>6.2.1: Feedstock inventory documentation [1 pt]</p> <p>6.2.2: Input PBT chemicals and other chemicals of concern [1 pt]</p> <p>6.3.1: PBDE Flame retardants C8 fluorotelomers [1 pt]</p> <p>6.3.2: Minimization of indoor VOC emissions [1 pt] (prerequisite for gold and for platinum)</p> <p>6.3.3.1: Inventory of air, water, and waste (media) pollutants [4 pts]</p> <p>6.3.3.2: Output PBT emissions and emissions from other chemicals of concern [1 pt]</p> <p>6.3.3.3.1: Voluntary pollutant reductions beyond compliance beyond compliance, 1986-1999 –OR–</p> <p>6.3.3.3.2: Pollutant and toxic chemical</p>	<p>7.2.1: Inventory of electrical and thermal energy [1 pt]</p> <p>7.2.2: Manufacturer's use of renewable energy and/or energy reduction [12 pts]</p> <p>7.2.3: Suppliers' use of renewable energy [6 pts]</p> <p>7.2.4: Greenhouse gas emissions inventory [1 pt]</p>	<p>8.2: Materials content inventory [2 pts]</p> <p>8.2.1: Bio-based content, recycled content, and EPP materials [20 pts]</p> <p>8.2.1: 10% post-consumer recycled content (prerequisite for platinum)</p>	<p>9.2.1: Policy, EMS, and publicly available targets [1 pt]</p> <p>9.2.2: Manufacturer's social indicator reporting [1 pt]</p> <p>9.3: Performance durability [1 pt]</p> <p>9.4: LCA for product platform undergoing assessment [3 pts] (prerequisite for platinum)</p> <p>9.5: EMS Certification [2 pts]</p> <p>9.6: Suppliers' social indicator reporting [1 pt]</p> <p>9.7.1 Documented QMS [1 pt]</p> <p>9.7.2 ISO 9001 QMS certification [1 pt]</p> <p>9.8 DfE and/or LCA process [3 pts]</p> <p>9.9.1 Documented and operational waste minimization or waste reduction program</p>	<p>10.2.1: Operational reclamation program [1 pt]</p> <p>10.2.2: Extended product life [1 pt] (prerequisite for platinum)</p> <p>10.2.3: Product reclamation [17 pts] (At time of publication, 10% reclamation and recycling is a prerequisite for Platinum, consistent with CARE goals. Check CARE website for subsequent years' goals.)</p> <p>10.3: Transparent secondary materials reclamation system</p>

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Public health and environment (PHE) 30 points	Energy and energy efficiency (EN) 20 points	Bio-based content, recycled content, and EPP materials (MATLS) 22 points	Manufacturing (MFG) 17 points	Reclamation and End of life management (EOL) 25 points
<p>reductions through LCA, 1986-1999 [8 pts for either/or]</p> <p>6.3.3.4: Reduction of specified life cycle impact categories (for the years 2000-present) [8 pts]</p> <p>6.3.4: Minimization of indoor air carcinogenic VOC emissions [1 pt]</p> <p>6.3.5.1: Minimization of indoor formaldehyde emissions [1pt]</p> <p>6.3.5.2.1: Supplier's material and process inputs present at 1% [1 pt]</p> <p>6.3.5.2.2: PBTs released as process outputs [1 pt]</p> <p>6.3.5.3.3: PBTs used in materials or process inputs [1 pt]</p>			<p>[1 pt]</p> <p>9.9.2 Waste minimization</p> <p style="text-align: center;">–OR–</p> <p>9.9.3 Waste reduction [2 pts for either/or]</p>	<p>[2 pts]</p> <p>10.4: Transparent materials reclamation system [2 pts]</p> <p>10.5: Transparent repurposed materials reclamation system [2 pts]</p>

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NSF/ANSI Standard
for Personal Care Products

Personal Care Products Containing Organic Ingredients

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2.2 Informational references

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21 CFR Chapter 9, *Federal Food, Drug and Cosmetic Act* (FD&C Act)³

CDFR, *California Organic Products Act of 2003* (Food and Agricultural Code Sections 46000-46029, Health and Safety Code Sections 110810-110959)⁴

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5.3.3 Mined ingredients

Table 5.3 – Allowed mineral ingredients

Chalk
Clays
Pumice

Table 5.4 – Allowed processed mineral ingredients

Iron oxides
Titanium Dioxide
Zinc Oxide

NOTE – A product meeting the requirements of NSF/ANSI 305 may not meet the minimum requirements of the California Organic Products Act of 2003 if using mined minerals. If manufacturing personal care products containing mined minerals with intent to market in the state of California, please refer to COPA 2003 for the proper calculation of the percent organic contribution of mined minerals.

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6.3 Mined minerals, water and salt

Mined minerals, water and salt shall be considered “neutral” in calculating the percent organic content. Therefore, they shall be excluded from the net weight or net volume.

When a standard of identity exists or there is an onsite scientific method used to measure moisture removed from a plant, water, equal to the amount removed, may be added to that processed product and be considered as part of the original plant. For instance, a concentrate that fulfills the organic requirements of this Standard may be rehydrated to single strength or rehydrated to the same moisture content it had when harvested or first tested; the added water shall be considered part of the organic content of that ingredient or product.

Added water shall be included in the organic content of an ingredient only under the following circumstances:

- Reconstituting juice concentrates to their USDA single strength standard of identity;
- Reconstituting aloe concentrates to single strength based on Aloe Council compliance and standards; and
- Water content of extracts and hydrosols are specified in 6.4 of this Standard.

NOTE – Water added to rehydrate dried powders or dried plant material is counted as added water. Manufacturer-specific 'standards of identity' regarding water content, single strength values, or moisture content are not acceptable.

NOTE – A product meeting the requirements of NSF/ANSI 305 may not meet the minimum requirements of the California Organic Products Act of 2003 if using mined minerals. If manufacturing personal care products containing mined minerals with intent to market in the state of California, please refer to COPA 2003 for the proper calculation of the percent organic contribution of mined minerals.

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A.4.4 Formulation evaluation

Formulation information for each ingredient used in the certified product should be provided to and maintained on file by the certifying organization. At a minimum, the formulation information should include:

- the complete identity or proportion by weight of each ingredient; and
- each ingredient's sources of supply.

NOTE – A product meeting the requirements of NSF/ANSI 305 may not meet the minimum requirements of the California Organic Products Act of 2003 if using mined minerals. If manufacturing personal care products containing mined minerals with intent to market in the state of California, please refer to COPA 2003 for the proper calculation of the percent organic contribution of mined minerals.

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³ U.S. Food and Drug Administration, 10903 New Hampshire Ave., Silver Springs, MD 20993-0002 20903 <www.fda.gov/regulatoryinformation/legislation/federalfooddrugandcosmeticactfdact/default.htm>.

⁴ Department of Food and Agriculture, 1220 N Street Sacramento, CA 95814 <www.cdfa.ca.gov/is/docs/copa2003.pdf>.

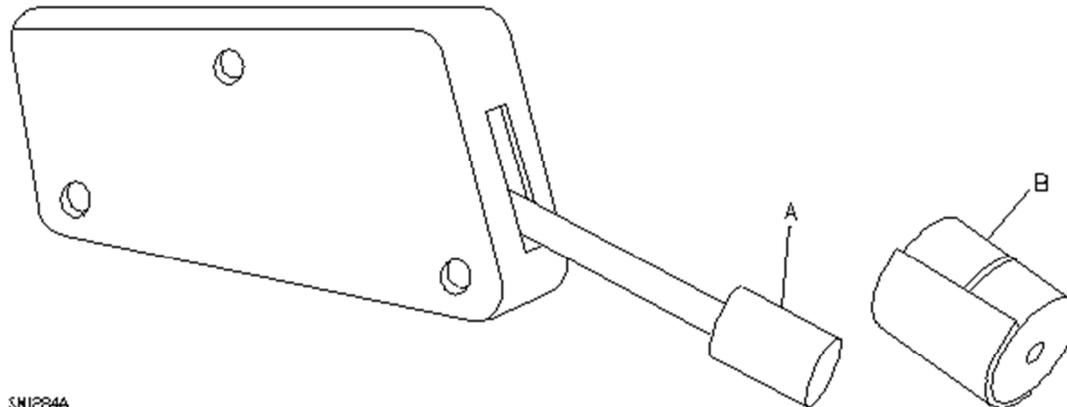
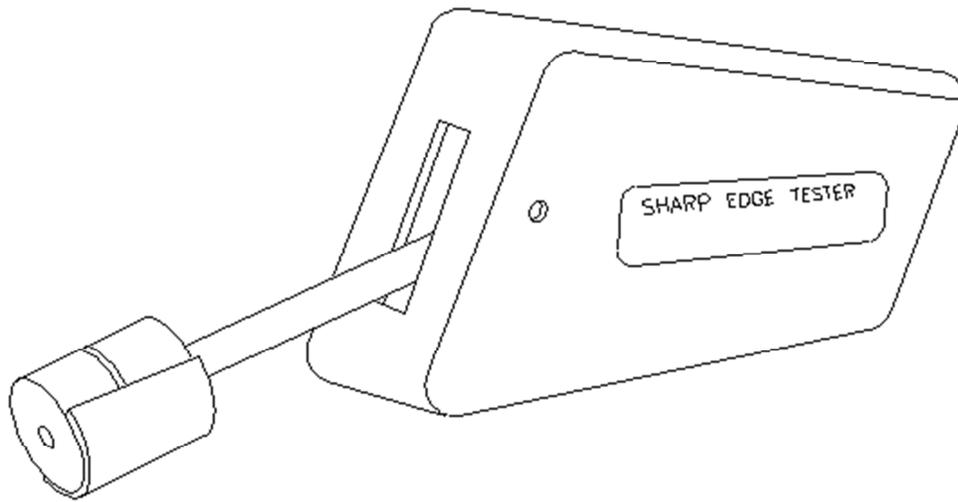
BSR/UL 1439

5.1 The test apparatus is to consist of the following:

- a) Sharp-Edge Tester - The instrument consists essentially of a handle with a pivoted arm attached. A constant-tension spring secured to the handle is used to apply a steady force to the arm. The arm head is a piece of ~~round~~ cylindrical steel, with an outside diameter of 1/2 inch (12.7 mm) and a length of 3/4 inch (19 mm), located at the end of the adjustable arm. The arm head is to be wrapped with three layers of tape, the two outer layers act as sensing tapes; the inner layer acts as an indicating tape, ~~or~~ Alternately, the tapes are to be applied to a ~~5/8 inch (15.9 mm)~~ removable sleeve or cap that is placed onto the 1/2 inch (12.7 mm) steel arm head. The sleeve or cap shall not exceed 5/8 inch (15.9 mm) in diameter. See Figure 5.1 or 5.2.
- b) Indicating Tape (Inner Layer) - 3/4 inch (19.1 mm) wide, adhesive backed, single-adhesive coated, vinyl foam tape, black in color, having the tape properties given in Table 5.1.
- c) Sensing Tape No. 2 (Middle Layer) - 3/4 inch (19.1 mm) wide, double-adhesive coated, vinyl foam tape, white in color, having the tape properties given in Table 5.1.
- d) Sensing Tape No. 1 (Outer Layer) - 3/4 inch (19.1 mm) wide, single-adhesive coated skived tetrafluorethylene tape - natural color, having the tape properties given in Table 5.1. The skived tetrafluorethylene backing (film) is shaved in a thin layer from a cylindrical block of material.
- e) Calibration Equipment - A ~~weight~~ mass that can exert 1-1/2 ± 0.03 lbf (~~6.7~~ 6.672 ± 0.133 N) and a length of string.

Figure 5.2

Sharp edge tester with tape cap (alternate construction)



SN1284A

A - Head, steel, 1/2 inch diameter (12.7 mm), 3/4 inch long (19 mm)

B - Tape sleeve or cap, maximum 5/8 inch (15.9 mm) diameter removable sleeve

6.1 The sharp edge tester shall be calibrated so that a 1-1/2 ± 0.03 lbf (~~6.7~~ 6.672 ± 0.133 N) is present at the center of the head when the arm is between stops. The length of the arm is to be adjustable for calibration purposes. See Figure 6.1 for a typical calibration procedure.

Exception: For special evaluations, when specified in the end-product standard, the force may be adjusted to a different value.

Motor-Operated Appliances, BSR/UL 73

1. Date Code Marking on Attachment Plug Blade for Insect and Rodent Control Equipment

PROPOSAL

70.1.19 For Insect and Rodent Control products employing a non-detachable supply cord or direct plug-in means, the date of manufacture or date code may be die-stamp impressed, etched, or engraved on the blade of attachment plug, provided that:

- a) The recessed impression is no deeper than is needed for legibility;
- b) The marking process does not emboss or raise the surface of the blade;
- c) The specific dimensions of the blade, or configuration with respect to the plug face, are not altered during the marking process;
- d) The product is not rated for more than one voltage where a change in attachment plug configuration is required in the field (see 70.1.9 and 73.8); and
- e) The product shall not include instructions for removal, replacement or servicing of the supply cord or attachment plug, nor for conversion of the plug for different voltages (see 73.2(a) and 73.8).

73.2 The instructions pertaining to a risk of fire, electric shock, or injury to persons, or the installation instructions shall include those instructions in (a) - (e), as applicable. If the applicable instructions in (a) - (e) are included in the installation instructions, a reference to these instructions shall be included in the list in 72.4 as a separate item. The word "DANGER" shall be entirely in the upper case letters or emphasized to distinguish it from the rest of the text.

- a) For all grounded, cord-connected appliances:

GROUNDING INSTRUCTIONS

This appliance must be grounded. In the event of malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

DANGER - Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal. Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the appliance is properly grounded. Do not modify the plug provided with the appliance - if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

Exception: For products employing date code marking on power supply cord attachment plug blade in accordance with 70.1.19, the instructions above shall be replaced with the following:

DANGER - Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the appliance is properly grounded. Do not modify the plug provided with the appliance - if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

- b) For grounded, cord-connected appliances rated less than 15 A and intended for use on a nominal 120 V supply circuit:

This appliance is for use on a nominal 120 V circuit, and has a grounding plug that looks like the plug illustrated in sketch A in Figure 73.1. A temporary adaptor, which looks like the adaptor illustrated in sketches B and C, may be used to connect this plug to a 2-pole receptacle as shown in sketch B if a properly grounded outlet is not available. The temporary adaptor should be used only until a properly grounded outlet can be installed by a qualified electrician. The green colored rigid ear, lug, and the like, extending from the adaptor must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adaptor is used, it must be held in place by the metal screw.

- c) For grounded, cord-connected appliances other than as mentioned in (b):

This appliance is for use on a circuit having a nominal rating more than 120 V (or "This appliance is rated more than 15 A and is for use on a circuit having a nominal rating of 120 V"), and is factory equipped with a specific electric cord and plug. No adapter should be used with this appliance. If the appliance must be reconnected for use on a different type of electric circuit, the reconnection should be made by qualified service personnel; and after the reconnection, the appliance should comply with all local codes and ordinances.

- d) For permanently-connected appliances:

GROUNDING INSTRUCTIONS

This appliance must be connected to a grounded, metal, permanent wiring system; or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the appliance.

- e) For double-insulated, cord-connected appliances:

SERVICING OF DOUBLE-INSULATED APPLIANCES

In a double-insulated appliance, two systems of insulation are provided instead of grounding. No grounding means is provided on a double-insulated appliance, nor should a means for grounding be added to the appliance. Servicing of a double-insulated appliance requires extreme care and knowledge of the system, and should be done only by qualified service personnel. Replacement parts for a double-insulated appliance must be identical to those parts in the appliance. A double-insulated appliance is marked with the words "DOUBLE INSULATION" or "DOUBLE INSULATED." The symbol (square within a square)"



may also be marked on the appliance.

73.8 If the appliance employs an attachment plug, instructions shall be provided to indicate the type of plug that should be used if the appliance is reconnected for the alternate voltage. See 70.1.9.

Exception: For products employing date code marking on power supply cord attachment plug blade (see 70.1.19), these instructions shall not be provided, and a dual-voltage motor (see 70.1.9) requiring plug change in the field is not permitted.

2. Addition and Revision of Requirements for Battery Operated Products with Rechargeable and Automatic Flashlights and Lanterns.

PROPOSAL

14.3 A thermoplastic material ~~generally is not considered acceptable for the sole support of~~ in direct contact with uninsulated live parts, ~~but~~ may be employed if found to have the necessary mechanical strength and rigidity, resistance to heat, resistance to flame propagation, dielectric voltage withstand, and other appropriate properties. See 6.18.1. Suitability shall be determined by compliance with the requirements for direct contact with live parts in the Standard for Polymeric Materials - Use in Electrical Equipment Evaluations, UL 746C. See 14.5 for battery operated live parts.

14.5 The suitability of polymeric materials in contact with or in close proximity to (within 1/32 in.) battery-operated live parts shall be determined by compliance with the tests of 55A.1.

Exception: Where the battery pack does not present a risk of fire in accordance with the definition of "Risk of Fire" (3.34) in the Standard for Polymeric Materials - Use in Electrical Equipment Evaluations, UL 746C or has been evaluated as a Limited Power Source (LPS) per the Limited Power Source Test Section, Section 13, in the Standard for Household and Commercial Batteries, UL 2054.

41.1.1 With respect to the Exception to 47.1.1, if the flashlight or lantern is intended to be operated while the product is floor- or counter-supported, it shall not overturn when subjected to the test of 41.2 - 41.4.

47.1.1 ~~A cord-connected appliance of the hand-supported type~~ appliance shall not attain a temperature of more than 125°C (257°F) on any exterior surface that may be laid on combustible material or against which combustible material may be laid, and there shall be no emission of smoke or molten material.

Exception: For a flashlight or lantern, temperatures may exceed 125°C (257°F) on exterior surfaces in proximity to the light source, if the product is marked per 70.10.2, includes the instructions per 74.5.2 and complies with the tests of 41.1.1 and 55A.3 or 55A.4, as applicable.

Table 47.1
Maximum surface temperatures

Location	Composition of surface ^a			
	Metal		Nonmetallic	
Handles or knobs that are grasped for lifting, carrying, or holding	50°C	(122°F)	60°C	(140°F)
Handles or knobs that are contacted but do not involve lifting, carrying, or holding	60°C	(140°F)	85°C	(185°F)
Surfaces subjected to contact during operation or user maintenance ^b	60°C	(140°F)	85°C	(185°F)
^a A handle, knob, or the like, made of a material other than metal, that is plated or clad with metal having a thickness of 0.005 in (0.127 mm) or less is considered to be, and is investigated as, a nonmetallic part.				
^b <u>For flashlights and lanterns, temperatures may exceed the limits specified in proximity to the light source, if the product is marked per 70.10.1 and includes the instructions per 74.5.1.</u>				

55A Rechargeable and Automatic Flashlights and Lanterns

55A.1 With respect to 14.5, the product shall be subjected to the following abnormal conditions, as applicable, to represent the worst case heating of the battery-operated live parts in contact with (or close proximity to) the polymeric material without the emission of flame or molten metal or the reduction of electrical spacings resulting

in a risk of fire. The "on-off" switch shall be closed so that the circuit is energized. For a discrete, multiple (more than two) terminal device, such as a transistor, SCR, triac, or an integrated circuit device, any combination of terminals taken two at a time shall be opened or shorted.

- a) Shorted Bulb Test - One sample shall be operated with the bulb shorted. The "on-off" switch shall be closed so that the bulb circuit is energized.
- b) Shorted Battery Terminal Test - One sample shall be operated with the battery terminals shorted.
- c) Component Failure Test - Various individual components, such as resistors, capacitors, and solid-state devices, shall be shorted and opened, one at a time.

55A.2 The tests of 55A.1 shall each be conducted with the sample resting on a softwood tissue covered supporting surface and draped with one layer of cheesecloth. The tests shall be conducted with a fully charged battery and operation shall continue until ultimate results, but not more than 7 h.

55A.3 With respect to the Exception to 47.1.1, if the light source is operable while the product is hand-held or counter supported, there shall be no ignition of the supporting surface when the product is operated continuously for 7 h while positioned as close to and directed towards the softwood supporting surface to the greatest degree permitted and in a position representing the most severe condition by the unit construction. The supporting surface shall be knot free softwood covered with a double layer of white tissue paper.

55A.4 With respect to the Exception to 47.1.1, for a direct plug-in flashlight or lantern, if the light source is operable while the product is supported by the receptacle, there shall be no exposure of live parts or ignition of the vertical softwood surface when the product is operated continuously for 7 h while positioned as close to and directed towards a vertical softwood surface to the greatest degree permitted and in a position representing the most severe condition by the unit construction. The vertical surface shall be knot free softwood covered with a double layer of white tissue paper and positioned at 90° from the wall supporting the receptacle.

70.10 Rechargeable and automatic flashlights and lanterns

70.10.1 Products with surface temperatures near the light source exceeding the limits in Table 47.1 shall be marked with the following or equivalent: "WARNING - Hot Surface: Risk of Burns - Do Not Touch."

70.10.2 Products with exterior temperatures near the light source exceeding the 125°C (257°F) per 47.1 .1 shall be marked per 70.10.1 with the addition of the following statement or the equivalent: "Risk of Fire - Keep Away From Combustible Materials."

74.5 Rechargeable and automatic flashlights and lanterns

74.5.1 Products with surface temperatures near the light source exceeding the limits in Table 47.1 shall be provided with the following instructions or the equivalent, "WARNING - The lens gets very hot during use. To reduce the risk of burns, do not touch hot lens."

Exception: For household products, the above wording shall be provided with the Important Safety Instructions of 72.4 instead of in the Operating Instructions.

74.5.2 Products with exterior surface temperatures near the light source exceeding 125°C (257°F) per 47.1.1 shall be provided with the instructions per 74.5.1 with the addition of the following statement or the equivalent, "To reduce the risk of fire, keep away from combustible materials while in operation."