

## Contents

### American National Standards

<b>Call for Comment on Standards Proposals</b> .....	<b>2</b>
<b>Call for Comment Contact Information</b> .....	<b>8</b>
<b>Call for Members (ANS Consensus Bodies)</b> .....	<b>9</b>
<b>Final Actions</b> .....	<b>10</b>
<b>Project Initiation Notification System (PINS)</b> .....	<b>11</b>

### International Standards

<b>ISO Newly Published Standards</b> .....	<b>16</b>
--	-----------

<b>Information Concerning</b> .....	<b>18</b>
-------------------------------------	-----------

<b>2013 Standards Action Publishing Schedule</b> .....	<b>21</b>
--	-----------

## American National Standards

### Call for comment on proposals listed

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

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

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

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

## Comment Deadline: December 16, 2012

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 300-201X, Standard for Safety for Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment (revision of ANSI/UL 300-2005 (R2010))

UL proposes revisions to UL 300 for the temperature conversion error correction and the addition of gas radiant char-broilers with integral solid fuel holder(s) and deep fat fryers equipped with an attached moveable obstruction.

[Click here to view these changes in full](#)

Single copy price: Contact comm2000 for pricing and delivery options

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Nicolette Allen, (919) 549-0973, [Nicolette.Allen@ul.com](mailto:Nicolette.Allen@ul.com)

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 458-201x, Power Converters/Inverters and Power Converter/Inverter Systems for Land Vehicles and Marine Crafts (revision of ANSI/UL 458-2009)

1. Revision of 20.2.3 to clarify the use of supplementary protectors in the output alternating circuits of recreational vehicle inverters.

[Click here to view these changes in full](#)

Single copy price: Contact comm2000 for pricing and delivery options

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

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 1254-201X, Standard for Safety for Pre-Engineered Dry Chemical Extinguishing Systems Units (revision of ANSI/UL 1254-2010)

This re-circulation proposal provides revisions to the UL 1254 proposals dated 8-10-12.

[Click here to view these changes in full](#)

Single copy price: Contact comm2000 for pricing and delivery options

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Nicolette Allen, (919) 549-0973, [Nicolette.Allen@ul.com](mailto:Nicolette.Allen@ul.com)

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 1581-201x, Reference Standard for Safety for Electrical Wires, Cables, and Flexible Cords (revision of ANSI/UL 1581-2011)

New Requirements for 90C and 105C Rated TPU Insulations and Jackets from Appliance Wiring Materials

[Click here to view these changes in full](#)

Single copy price: Contact comm2000 for pricing and delivery options

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Camille Alma, (631) 546-2688, [Camille.A.Alma@ul.com](mailto:Camille.A.Alma@ul.com)

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 2251-201X, Standard for Safety for Plugs, Receptacles and Couplers for Electric Vehicles (revision of ANSI/UL 2251-2011)

1. The Proposed Third Edition of the Standard for Plugs, Receptacles, and Couplers for Electric Vehicles, UL 2251, to Harmonize Requirements with ANCE and CSA

[Click here to view these changes in full](#)

Single copy price: Contact comm2000 for pricing and delivery options

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Patricia Sena, (919) 549-1636, [patricia.a.sena@ul.com](mailto:patricia.a.sena@ul.com)

### UL (Underwriters Laboratories, Inc.)

#### Revision

BSR/UL 2523-201X, Standard for Safety for Solid Fuel-Fired Hydronic Heating Appliances, Water Heaters and Boilers (revision of ANSI/UL 2523-2011)

This re-circulation proposal provides revisions to the UL 2523 proposals dated 9-21-12.

[Click here to view these changes in full](#)

Single copy price: Contact comm2000 for pricing and delivery options

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Nicolette Allen, (919) 549-0973, [Nicolette.Allen@ul.com](mailto:Nicolette.Allen@ul.com)

## Comment Deadline: December 31, 2012

### API (American Petroleum Institute)

#### New Standard

BSR/API RP-780-201x, Security Risk Assessment Methodology for the Petroleum and Petrochemical Industries (new standard)

Provides guidance to the petroleum and petrochemical industries in understanding security risk assessment and in conducting SVA's.

Single copy price: Free

Obtain an electronic copy from: [soffrind@api.org](mailto:soffrind@api.org)

Order from: David Soffrin, (202) 682-8157, [soffrind@api.org](mailto:soffrind@api.org)

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

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

#### Reaffirmation

BSR/ASAE EP400.3-2007 (R201x), Designing and Constructing Irrigation Wells (reaffirmation of ANSI/ASAE EP400.3-2007)

A guide for preparing specifications for irrigation well construction. The objective is to obtain economical wells of high productivity which are relatively sand free with a long projected life. The scope of this Engineering Practice is directed to wells constructed to obtain ground water for irrigation purposes; however, many of the details presented herein also are suitable for domestic, municipal, and industrial wells.

Single copy price: \$55.00

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

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

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

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

### **Reaffirmation**

BSR/ASAE S397.3-2007 (R201x), Electrical Service and Equipment for Irrigation (reaffirmation of ANSI/ASAE S397.3-2007)

Provide a common document for use by all those involved in electrical irrigation systems; such as electricians, power suppliers, well drillers, irrigation dealers and manufacturers, extension specialists and irrigators. This Standard applies to three-phase, 240 V, or 480 V service, the most commonly used irrigation service voltages for irrigation pump motors, irrigation machines, and auxiliary equipment.

Single copy price: \$55.00

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

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

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

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

### **New Standard**

BSR X9.79 - Part 4-201x, Public Key Infrastructure (PKI) - Part 4: Asymmetric Key Management (new standard)

PKI technology has become a significant security control within the financial services industry for both internal operations and for external customer facing payment systems over the past decade. The usability and versatility of PKI has become such a critical infrastructure component that its proper management and audibility has become even more important than ever before. The expansion of X9.79 with Parts 3 and 4 consolidates PKI management and security requirements into a single ANS.

Single copy price: \$60.00

Obtain an electronic copy from: [janet.busch@x9.org](mailto:janet.busch@x9.org)

Order from: Janet Busch, (410) 267-7707, [janet.busch@x9.org](mailto:janet.busch@x9.org)

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

## **ATIS (Alliance for Telecommunications Industry Solutions)**

### **New Standard**

BSR/ATIS 0100036-201x, Media Plane Performance Security Impairments Standard for Evolving VoIP/Multimedia Networks (new standard)

This ATIS Standard is intended to provide awareness and information regarding the use of security mechanisms in support of Next Generation Network (NGN) National Security and Emergency Preparedness (NS/EP) Services. When introducing network security mechanisms (e.g. IPSec) into Evolving Voice over Internet Protocol (VoIP)/Multimedia Networks one may encounter impairments introduced or exacerbated by those network security mechanisms. One may need to explore tradeoffs between security and QoS to achieve the necessary communication channel during NSEP conditions.

Single copy price: \$130.00

Obtain an electronic copy from: [kconn@atis.org](mailto:kconn@atis.org)

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

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

## **BICSI (Building Industry Consulting Service International)**

### **New Standard**

BSR/BICSI-005-201x, Electronic Safety and Security (ESS) System Design and Implementation Best Practices (new standard)

This standard is written for use in the design and implementation of the structured cabling systems used within electronic safety and security systems. This standard also has application to electronic safety and security countermeasures and systems that are provided by a physical security professional. Electronic countermeasures include, but are not limited to: card readers, cameras, electrified locking mechanisms, sensors, and other electronic devices. Performance specifications for the electronic safety and security systems are not offered in this standard unless it relates to the structured cabling systems.

Single copy price: Free

Obtain an electronic copy from: [jsilveira@bicsi.org](mailto:jsilveira@bicsi.org)

Order from: Jeff Silveira, (813) 903-4712, [jsilveira@bicsi.org](mailto:jsilveira@bicsi.org)

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

## **CEA (Consumer Electronics Association)**

### **New Standard**

BSR/CEA 709.4-201x, Fiber-Optic Channel Specification (new standard)

In conjunction with ANSI/CEA-709.1 Control Network Protocol Specification, ANSI/CEA-709.4 defines a complete 7-layer protocol stack for communications on a CEA-709.4 single-fiber (half-duplex) fiber-optic channel. ANSI/CEA-709.4 specifies the physical layer (OSI Layer 1) requirements for the CEA -709.4 fiber-optic channel which encompasses the interface to the Media Access Control (MAC) layer and the interface to the medium. The single-fiber channel implemented as specified in ANSI/CEA -709.4 allows two nodes to communicate bi-directionally across a single piece of fiber cable.

Single copy price: Free

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

Order from: [standards@ce.org](mailto:standards@ce.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Leslie King, (703) 907-4327, [lking@CE.org](mailto:lking@CE.org)

## **CEA (Consumer Electronics Association)**

### **Reaffirmation**

BSR/CEA 885-2007 (R201x), Remote Starter Safety (reaffirmation of ANSI/CEA 885-2007)

This standard addresses the automotive accessories that allow the operator to start a vehicle while away from the vehicle, and the safety of such devices when installed. Remote starters that are designed for installation in manual transmission vehicles are not compliant with this standard, and shall not be labeled or promoted as such.

Single copy price: Free

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

Order from: [standards@ce.org](mailto:standards@ce.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Alayne Bell, (703) 907-7634, [ABell@CE.org](mailto:ABell@CE.org)

**CEA (Consumer Electronics Association)****Reaffirmation**

BSR/CEA 2003-C-2007 (R201x), Digital AudioBook File Format and Player Requirements (reaffirmation of ANSI/CEA 2003-C-2007 (R201x))

CEA-2003-C defines requirements and provides recommendations to publishers, software developers, content providers, and hardware manufacturers for the data structure, usability requirements, playback systems and delivery systems for audiobooks in digital file format. It should be noted that throughout CEA-2003-C, the term audiobook is defined as any audio file or collection of audio files of primarily spoken word content that is played in a linear order. Therefore, spoken word audio with occasional music, a narration of newspaper articles, or other similar spoken word audio, would additionally be considered audiobooks under this standard.

Single copy price: Free

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

Order from: [standards@ce.org](mailto:standards@ce.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Alayne Bell, (703) 907-7634, [ABell@CE.org](mailto:ABell@CE.org)

**CEA (Consumer Electronics Association)****Reaffirmation**

BSR/CEA 2005-2006 (R201x), AV Adapter to Connect Ethernet and 1394 Devices (reaffirmation of ANSI/CEA 2005-2006)

The Adapter project is intended to provide seamless connectivity between 1394 C/CE devices and DLNA devices. The Adapter will act as a Proxy between the two interfaces, exposing the devices on the opposite network as if they were on the same network.

Single copy price: Free

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

Order from: [standards@ce.org](mailto:standards@ce.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Leslie King, (703) 907-4327, [lking@CE.org](mailto:lking@CE.org)

**CEA (Consumer Electronics Association)****Reaffirmation**

BSR/CEA 2017.1-2007 (R201x), Serial Communication Protocol for Portable Electronic Devices (reaffirmation of ANSI/CEA 2017.1-2007)

This document describes a serial communication protocol that enables command and control communication between portable electronic devices and accessories attached to those devices. This protocol builds upon functions provided by the MOST network developed by the MOST Cooperation ([www.mostcooperation.com](http://www.mostcooperation.com)).

Single copy price: Free

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

Order from: [standards@ce.org](mailto:standards@ce.org)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Alayne Bell, (703) 907-7634, [ABell@CE.org](mailto:ABell@CE.org)

**ITI (INCITS)****Reaffirmation**

BSR/INCITS/ISO/IEC 10175-2-1996 (R201x), Information Technology -- Text and Office Systems -- Document Printing Application (DPA) -- Part 2: Protocol Specification (reaffirmation of INCITS/ISO/IEC 10175-2-1996)

Specifies the abstract syntax of the Document Printing Application (DPA) access protocol, how this protocol supports the DPA abstract service, the mapping of the DPA onto the services used and the requirements for conformance with the DPA access protocol.

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](http://www.global.ihs.com)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Barbara Bennett, (202) 626-5743, [bbennett@itic.org](mailto:bbennett@itic.org)

**ITI (INCITS)****Reaffirmation**

INCITS/ISO 3791:1976, Office Machines and Data Processing Equipment - Keyboard Layouts for Numeric Applications (formerly ANSI/ISO 3791-1976) (reaffirmation of INCITS/ISO 3791-1976)

This International Standard specifies the basic layout of numerals and symbols on keyboards intended to be used in applications where the data are generally numeric.

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](http://www.global.ihs.com)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Barbara Bennett, (202) 626-5743, [bbennett@itic.org](mailto:bbennett@itic.org)

**ITI (INCITS)****Reaffirmation**

INCITS/ISO/IEC 10175-1-1996 (R201x), Information Technology - Text and Office Systems - Document Printing Application (DPA) - Part 1: Abstract Service Definition and Procedures (reaffirmation of INCITS/ISO/IEC 10175-1-1996)

Specifies a client-server model of printing in accordance with the Distributed-office-applications Model (ISO/IEC 10031-1). Together, the capabilities provided can enable users to create and produce high-quality office documents in a consistent and unambiguous manner within a distributed open system environment.

Single copy price: \$30.00

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

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Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Barbara Bennett, (202) 626-5743, [bbennett@itic.org](mailto:bbennett@itic.org)

**ITI (INCITS)****Withdrawal**

INCITS/ISO/IEC 14443-3-2001/AM1-2005 (R2009), Identification Cards - Contactless Integrated Circuit(s) Cards - Proximity Cards - Part 3: Initialization and Anticollision - Amendment 1: Bit Rates of fc/64, fc/32 and fc/16 (withdrawal of INCITS/ISO/IEC 14443-3-2001/AM1-2005)

Amendment 1 to ISO/IEC 14443-3:2001.

Single copy price: \$45.00

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](http://www.global.ihs.com)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Deborah Spittle, (202) 626-5746, [dspittle@itic.org](mailto:dspittle@itic.org)

**NAAMM (National Association of Architectural Metal Manufacturers)****Revision**

BSR/NAAMM HMMA 865-201x, Guide Specifications for Sound Control Hollow Metal Door and Frame Assemblies (revision of ANSI/NAAMM HMMA 865-2003)

This standard was developed by the HMMA Division of NAAMM to provide their opinion and guidance on the construction of sound control hollow metal door and frame assemblies.

Single copy price: \$25.00

Obtain an electronic copy from: <http://www.naamm.org/ansi/pending.aspx>

Order from: Vernon W. Lewis, Jr. NAAMM Technical Consultant, 114 Whiting Street, Norfolk, VA 23505

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Vernon (Wes) Lewis, (757) 489-0787, [wlewis7@cox.net](mailto:wlewis7@cox.net)

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

BSR/ICEA P-32-382-2006 (R201x), Short Circuit Characteristics of Insulated Conductors (reaffirmation of ANSI/ICEA P-32-382-2006)

This publication discusses factors for consideration in approximating the operability of insulated and/or covered wire and cable under the influence of uninterrupted short circuit currents encountered as a result of cable or other equipment faults. The duration of such a fault is considered to be up to approximately 2 seconds. Calculation for single short circuits of longer duration's yield increasingly conservative results.

Single copy price: \$76.00

Obtain an electronic copy from: [http://workspaces.nema.org/ansi/stds/Shared%20Documents/C8/P-32-382-2012/\(A\)%20ANSI%20Forms%20and%20Information%20to%20ANSI/ICEA%20P-32-382%20re-affirm%20document%202012.pdf](http://workspaces.nema.org/ansi/stds/Shared%20Documents/C8/P-32-382-2012/(A)%20ANSI%20Forms%20and%20Information%20to%20ANSI/ICEA%20P-32-382%20re-affirm%20document%202012.pdf)

Order from: Ryan Franks, 703-841-3271, [ryan.franks@nema.org](mailto:ryan.franks@nema.org)

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

**NSF (NSF International)****Revision**

BSR/NSF 347-201x (i2), Sustainability assessment for Single Ply Roofing Membranes (revision of ANSI/NSF 347-2012 (i1r3))

Issue 2: The purpose of this ballot is to revise language in the following sections: 2.1 Normative References 2.2 Informative References 5.7 Post-Consumer Single Ply Roofing Membrane Reclamation 5.8 Pre-Consumer Single Ply Roofing Membrane Reclamation 6.5 Optimization of Material Resources 7.3 Durability 7.4 Membrane Surface Contribution 7.5.2 Quality Management System (QMS)

Single copy price: Free

Obtain an electronic copy from: [http://standards.nsf.org/apps/group\\_public/document.php?document\\_id=19346](http://standards.nsf.org/apps/group_public/document.php?document_id=19346)

Order from: Maureen Sertich, 734-214-6233, [msertich@nsf.org](mailto:msertich@nsf.org)

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

**SMACNA (Sheet Metal and Air-Conditioning Contractors' National Association)****New Standard**

BSR/SMACNA 014-201x, HVAC Systems Commissioning Manual (new standard)

This manual will detail the commissioning process which ensures that a HVAC system meets the owner's operational requirements. It will be a practical how-to guide for contractors, owners and engineers interested in commissioning new or existing buildings. Different levels of commissioning will be covered including basic, comprehensive and critical systems. Sample HVAC Systems Commissioning Specification from planning to the final execution and sample reports and checklists will be included.

Single copy price: Free

Obtain an electronic copy from: <http://www.smacna.org/technical/index.cfm?fuseaction=request>

Order from: <http://www.smacna.org/technical/index.cfm?fuseaction=request>

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: <http://www.smacna.org/technical/index.cfm?fuseaction=review>

**TAPPI (Technical Association of the Pulp and Paper Industry)****New Standard**

BSR/TAPPI T 268 om-201x, Weight-volume measurement of pulpwood (new standard)

A method is described for determining the weight of pulpwood per unit of volume (a standard-racked cord).

Single copy price: Free

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

Order from: Charles Bohanan, (770) 209-7276, [standards@tappi.org](mailto:standards@tappi.org)

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

**TAPPI (Technical Association of the Pulp and Paper Industry)****New Standard**

BSR/TAPPI T 496 sp-201x, Specimen preparation for cross directional internal tearing resistance for paper, paperboard and related materials (new standard)

This practice is used for the preparation of test specimens for the internal tearing resistance of paper, board, and related materials when a force is applied perpendicular to the machine direction.

Single copy price: Free

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

Order from: Charles Bohanan, (770) 209-7276, [standards@tappi.org](mailto:standards@tappi.org)

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

**TAPPI (Technical Association of the Pulp and Paper Industry)****New Standard**

BSR/TAPPI T 550 om-201x, Determination of equilibrium moisture in pulp, paper and paperboard for chemical analysis (new standard)

The procedure applies to pulp, paper, paperboard, and paper products, except those containing significant quantities of materials other than water that are volatile at 105C, or less, or for materials that are oxidized or decomposed above 102C. This method should be followed to calculate the results of a chemical analysis of pulp, paper and paperboard on a moisture-free basis.

Single copy price: Free

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

Order from: Charles Bohanan, (770) 209-7276, [standards@tappi.org](mailto:standards@tappi.org)

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

**TAPPI (Technical Association of the Pulp and Paper Industry)****New Standard**

BSR/TAPPI T 692 om-201x, Determination of suspended solids in kraft green and white liquors (new standard)

This method provides a means of determining the level of suspended solids in kraft green liquor and kraft white liquor.

Single copy price: Free

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

Order from: Charles Bohanan, (770) 209-7276, [standards@tappi.org](mailto:standards@tappi.org)

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

**TAPPI (Technical Association of the Pulp and Paper Industry)****New Standard**

BSR/TAPPI T 826 om-201x, Short span compressive strength of container board (new standard)

This method describes a procedure for determining the compressive resistance of containerboard.

Single copy price: Free

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

Order from: Charles Bohanan, (770) 209-7276, [standards@tappi.org](mailto:standards@tappi.org)

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

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

BSR/UL 1484-2008 (R201x), Standard for Safety for Residential Gas Detectors (reaffirmation of ANSI/UL 1484-2008)

Electrically operated gas detectors intended for installation in residential occupancies and recreational vehicles (RVs). Gas detectors intended to detect flammable gases such as propane and natural gas. All remote accessories that may be connected to a gas detector.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: Comm2000, 151 Eastern Avenue, Bensenville, IL 60106 USA, 1-888-853-3503

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

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

BSR/UL 325-201x, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2012)

1. Revision to Remove Reference to the Terms "Primary" and "Secondary" when Describing Entrapment Protection Devices
2. Addition of Requirements for Detachable Supply Cords
3. Addition of Requirements for Light Sources Other than Incandescent Bulbs
4. Clarification of Permanently Mounted Wireless Devices
5. Reversal Requirements of B1 Protected Gate Operators
6. Residential Garage Door Operator Test Set-Up For Reversal Tests
7. Relocate External Entrapment Protection Requirement of Paragraph 34.1.6
8. Gate Operators with Wireless External Entrapment Protection
9. Revision of Pendulum Tolerance
10. Addition of an Exception to Paragraphs 36.3.1 and 36.3.2 Regarding Elastomer Testing
11. Correction of the Force Test Apparatus in Figure 46A.2
12. Revised Tolerances for the Puncture Probe
13. Addition of Requirements for Electronic Instructions
14. Residential Garage Door Operator and System Instructions Titles
15. Clarification of the User Manual
16. Clarification of the Instructional and Marking Requirements for Installations Less Than 8 Feet Above the Floor
17. Revision of 56.8.4 to Align with ASTM F2200

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: Comm2000, 151 Eastern Avenue, Bensenville, IL 60106 USA, 1-888-853-3503

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Amy Walker, (847) 664-2023, [Amy.K.Walker@ul.com](mailto:Amy.K.Walker@ul.com)

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

BSR/UL 427-201x, Standard for Safety for Refrigerating Units (revision of ANSI/UL 427-2011)

1. Addition of requirements for refrigerating units employing a flammable refrigerant in the refrigerating system

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: Comm2000, 151 Eastern Avenue, Bensenville, IL 60106 USA, 1-888-853-3503

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Elizabeth Sheppard, (847) 664-3276, [Elizabeth.H.Sheppard@ul.com](mailto:Elizabeth.H.Sheppard@ul.com)

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

BSR/UL 1310-201x, Standard for Safety for Class 2 Power Units (proposal dated 11-16-12) (revision of ANSI/UL 1310-2012)

The proposals include:

- 1) revisions to requirements for field wiring supply leads, and
- 2) requirements for permanently connected units for flush installation in an outlet box.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: Comm2000, 151 Eastern Avenue, Bensenville, IL 60106 USA, 1-888-853-3503

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

**ASTM (ASTM International)**

BSR/ASTM D1655-201x, Specification For Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2011a)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Send comments to Karen Wilson, (610) 832-9743, [accreditation@astm.org](mailto:accreditation@astm.org)

**ASTM (ASTM International)**

BSR/ASTM E1302-2000 (R201x), Guide For Acute Animal Toxicity Testing Of Water-Miscible Metalworking Fluids (reaffirmation of ANSI/ASTM E1302-2000 (R2007))

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Send comments to Karen Wilson, (610) 832-9743, [accreditation@astm.org](mailto:accreditation@astm.org)

**ASTM (ASTM International)**

BSR/ASTM F1446-201x, Test Methods For Equipment And Procedures Used In Evaluating The Performance Characteristics Of Protective Headgear (revision of ANSI/ASTM F1446-2006)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Send comments to Karen Wilson, (610) 832-9743, [accreditation@astm.org](mailto:accreditation@astm.org)

**ASTM (ASTM International)**

BSR/ASTM WK34498-201x, Practice for Air Soft Player Safety Briefing (new standard)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Send comments to Karen Wilson, (610) 832-9743, [accreditation@astm.org](mailto:accreditation@astm.org)

**Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer**

In accordance with clause 4.2.1.3.2 Withdrawal by ANSI-Accredited Standards Developer of the ANSI Essential Requirements, the following American National Standards have been withdrawn as an ANS.

ANSI/ARMA 16-2007, The Records Conversion Process: Program Planning, Requirements, and Procedures

# ANSI-Accredited Standards Developers Contact Information

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

<p><b>API</b> American Petroleum Institute 1220 L Street, NW Washington, DC 20005-4070 Phone: (202) 682-8157 Fax: (202) 682-8051 Web: <a href="http://www.api.org">www.api.org</a></p>	<p><b>CEA</b> Consumer Electronics Association 1919 S. Eads St. Arlington, VA 22202 Phone: (703) 907-7697 Fax: (703) 907-4192 Web: <a href="http://www.ce.org">www.ce.org</a></p>	<p><b>NEMA (ASC C8)</b> National Electrical Manufacturers Association 1300 North 17th Street, Suite 1752 Rosslyn, VA 22209 Phone: (703) 841-3271 Fax: 703-841-3371 Web: <a href="http://www.nema.org">www.nema.org</a></p>	<p><b>UL</b> Underwriters Laboratories, Inc. 12 Laboratory Drive Research Triangle Park, NC 27709-3995 Phone: (919) 549-1841 Fax: (919) 547-6174 Web: <a href="http://www.ul.com/">www.ul.com/</a></p>
<p><b>ASABE</b> American Society of Agricultural and Biological Engineers 2950 Niles Road St Joseph, MI 49085 Phone: (269) 932-7015 Fax: (269) 429-3852 Web: <a href="http://www.asabe.org">www.asabe.org</a></p>	<p><b>CSA</b> CSA Group 8501 East Pleasant Valley Rd. Cleveland, OH 44131 Phone: (216) 524-4990 Fax: (216) 520-8979 Web: <a href="http://www.csa-america.org">www.csa-america.org</a></p>	<p><b>NEMA (Canvass)</b> National Electrical Manufacturers Association 1300 North 17th Street, Suite 1752 Rosslyn, VA 22209 Phone: (703) 841-3285 Fax: (703) 841-3385 Web: <a href="http://www.nema.org">www.nema.org</a></p>	
<p><b>ASC X9</b> Accredited Standards Committee X9, Incorporated 1212 West Street, Suite 200 Annapolis, MD 21401 Phone: (410) 267-7707 Fax: (410) 267-0961 Web: <a href="http://www.x9.org">www.x9.org</a></p>	<p><b>ECA</b> Electronic Components Association 2214 Rock Hill Road, Suite 170 Herndon, VA 20170 Phone: (571) 323-0294 Fax: (571) 323-0245 Web: <a href="http://www.eciaonline.org">www.eciaonline.org</a></p>	<p><b>NSF</b> NSF International 789 N. Dixboro Road Ann Arbor, MI 48104 Phone: (734) 214-6233 Fax: (734) 827-7875 Web: <a href="http://www.nsf.org">www.nsf.org</a></p>	
<p><b>ASHRAE</b> American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle, NE Atlanta, GA 30329 Phone: (404) 636-8400 Fax: (404) 321-5478 Web: <a href="http://www.ashrae.org">www.ashrae.org</a></p>	<p><b>FM</b> FM Approvals 1151 Boston-Providence Turnpike Norwood, MA 2062 Phone: (781) 255-4813 Fax: (781) 762-9375 Web: <a href="http://www.fmglobal.com">www.fmglobal.com</a></p>	<p><b>SCTE</b> Society of Cable Telecommunications Engineers 140 Philips Rd. Exton, PA 19341 Phone: (610) 594-7308 Fax: (610) 363-7133 Web: <a href="http://www.scte.org">www.scte.org</a></p>	
<p><b>ASTM</b> ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9743 Fax: (610) 834-3655 Web: <a href="http://www.astm.org">www.astm.org</a></p>	<p><b>IEEE</b> Institute for Electrical and Electronics Engineers 445 Hoes Lane Piscataway, NJ 08854 Phone: (732) 562-6003 Fax: (732) 562-1571 Web: <a href="http://www.ieee.org">www.ieee.org</a></p>	<p><b>SMACNA</b> Sheet Metal and Air-Conditioning Contractors' National Association 4201 Lafayette Center Dr. Chantilly, VA 20151-1209 Phone: (703) 803-2992 Fax: (703) 803-3732 Web: <a href="http://www.smacna.org">www.smacna.org</a></p>	
<p><b>ATIS</b> Alliance for Telecommunications Industry Solutions 1200 G Street, NW Suite 500 Washington, DC 20005 Phone: (202) 434-8841 Fax: (202) 347-7125 Web: <a href="http://www.atis.org">www.atis.org</a></p>	<p><b>ITI (INCITS)</b> InterNational Committee for Information Technology Standards 1101 K Street NW, Suite 610 Washington, DC 20005 Phone: (202) 626-5743 Fax: (202) 638-4922 Web: <a href="http://www.incits.org">www.incits.org</a></p>	<p><b>TAPPI</b> Technical Association of the Pulp and Paper Industry 15 Technology Parkway South Norcross, GA 30092 Phone: (770) 209-7276 Fax: (770) 446-6947 Web: <a href="http://www.tappi.org">www.tappi.org</a></p>	
<p><b>BICSI</b> Building Industry Consulting Service International 8610 Hidden River Parkway Tampa, FL 33637 Phone: (813) 903-4712 Fax: (813) 971-4311 Web: <a href="http://www.bicsi.org">www.bicsi.org</a></p>	<p><b>NAAMM</b> National Association of Architectural Metal Manufacturers 800 Roosevelt Road, Building C Suite 312 Glen Ellyn, IL 60137 Phone: (757) 489-0787 Fax: (757) 489-0788 Web: <a href="http://www.naamm.org">www.naamm.org</a></p>	<p><b>TIA</b> Telecommunications Industry Association 2500 Wilson Blvd. Suite 300 Arlington, VA 22201 Phone: (703) 907-7706 Fax: (703) 907-7727 Web: <a href="http://www.tiaonline.org">www.tiaonline.org</a></p>	



# 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.

## **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](mailto:bbennett@itic.org)

BSR/INCITS/ISO/IEC 10175-2-1996 (R201x), Information technology -- Text and office systems -- Document Printing Application (DPA) -- Part 2: Protocol specification (reaffirmation of INCITS/ISO/IEC 10175-2-1996)

INCITS/ISO 3791:1976, Office Machines and Data Processing Equipment - Keyboard Layouts for Numeric Applications (formerly ANSI/ISO 3791-1976) (reaffirmation of INCITS/ISO 3791-1976)

INCITS/ISO/IEC 10175-1-1996 (R201x), Information Technology - Text and Office Systems - Document Printing Application (DPA) - Part 1: Abstract Service Definition and Procedures (reaffirmation of INCITS/ISO/IEC 10175-1-1996)

INCITS/ISO/IEC 14443-3-2001/AM1-2005 (R2009), Identification cards - Contactless integrated circuit(s) cards - Proximity cards - Part 3: Initialization and anticollision - Amendment 1: Bit rates of fc/64, fc/32 and fc/16 (withdrawal of INCITS/ISO/IEC 14443-3-2001/AM1-2005)

## **NAAMM (National Association of Architectural Metal Manufacturers)**

**Office:** 800 Roosevelt Road, Building C  
Suite 312  
Glen Ellyn, IL 60137

**Contact:** *Vernon (Wes) Lewis*

**Phone:** (757) 489-0787

**Fax:** (757) 489-0788

**E-mail:** [wlewis7@cox.net](mailto:wlewis7@cox.net)

BSR/NAAMM HMMA 865-201x, Guide Specifications for Sound Control Hollow Metal Door and Frame Assemblies (revision of ANSI/NAAMM HMMA 865-2003)

## **NEMA (ASC C136) (National Electrical Manufacturers Association)**

**Office:** 1300 North 17th Street, Suite 1752  
Rosslyn, VA 22209

**Contact:** *Megan Hayes*

**Phone:** (703) 841-3285

**Fax:** (703) 841-3385

**E-mail:** [megan.hayes@nema.org](mailto:megan.hayes@nema.org)

BSR C136.30-201x, Roadway and Area Lighting Equipment - Pole Vibration (new standard)

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

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

**Contact:** *Teesha Jenkins*

**Phone:** (703) 907-7706

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

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

BSR/TIA 222 F-201x, Structural Standard for Antenna Support Structures and Antennas (revision and redesignation of ANSI/TIA 222-G-2005)

# Final Actions on American National Standards

The standards actions listed below have been approved by the ANSI Board of Standards Review (BSR) or by an ANSI-Audited Designator, as applicable.

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

### **Addenda**

ANSI/ASHRAE Addendum 170q-2012, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE Standard 170-2008): 10/27/2012

ANSI/ASHRAE Addendum 170j-2012, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE Standard 170-2008): 10/27/2012

ANSI/ASHRAE Addendum 170t-2012, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE Standard 170-2008): 10/27/2012

ANSI/ASHRAE Addendum ao to ANSI/ASHRAE Standard 135-2012, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2010): 10/27/2012

ANSI/ASHRAE Addendum b to ANSI/ASHRAE Standard 160-2012, Criteria for Moisture-Control Design Analysis in Buildings (addenda to ANSI/ASHRAE Standard 160-2009): 10/27/2012

ANSI/ASHRAE Addendum i to ANSI/ASHRAE Standard 135-2012, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2010): 10/27/2012

ANSI/ASHRAE Addendum k to ANSI/ASHRAE Standard 135.1-2012, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2009): 10/27/2012

ANSI/ASHRAE Addendum m to ANSI/ASHRAE Standard 135.1-2012, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2009): 10/27/2012

### **New Standard**

ANSI/ASHRAE Standard 173P-2012, Method of Test to Determine the Performance of Halocarbon Refrigerant Leak Detector (new standard): 10/27/2012

ANSI/ASHRAE Standard 194P-2012, Method of Test for Direct-Expansion Ground Source Heat Pumps (new standard): 10/27/2012

### **Revision**

ANSI/ASHRAE Standard 118.1-2012, Method of Testing for Rating Commercial Gas, Electric and Oil Service Water Heating Equipment (revision of ANSI/ASHRAE Standard 118.1-2008): 10/27/2012

ANSI/ASHRAE Standard 164.1-2012, Method of Test for Residential Central-System Humidifiers (revision of ANSI/ASHRAE Standard 164.1-2008): 10/27/2012

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

### **Reaffirmation**

ANSI/UL 1040-2001 (R2012), Standard for Safety for Fire Test of Insulated Wall Construction (reaffirmation of ANSI/UL 1040-2001 (R2007)): 10/30/2012

### **Revision**

ANSI/UL 810A-2012, Standard for Electrochemical Capacitors (revision of ANSI/UL 810A-2011): 11/1/2012

ANSI/UL 891-2012, Standard for Safety for Switchboards (revision of ANSI/UL 891-2005): 10/31/2012

ANSI/UL 891-2012a, Standard for Safety for Switchboards (Proposal dated 03-30-12) (revision of ANSI/UL 891-2005): 10/31/2012

ANSI/UL 1313-2012, Standard for Safety for Nonmetallic Safety Cans for Petroleum Products (revision of ANSI/UL 1313-2003 (R2007)): 11/1/2012

ANSI/UL 1682-2012, Standard for Safety for Plugs, Receptacles, and Cable Connectors, of the Pin and Sleeve Type (revision of ANSI/UL 1682-2007): 11/1/2012

# Project Initiation Notification System (PINS)

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

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

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

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

**Office:** 1791 Tullie Circle NE  
Atlanta, GA 30329

**Contact:** Susan LeBlanc

**Fax:** (678) 539-2175

**E-mail:** [sleblanc@ashrae.org](mailto:sleblanc@ashrae.org)

BSR/ASHRAE Standard 212P-201x, Method of Test for Determining Energy Performance and Water-Use Efficiency of Add-On Evaporative Pre-Coolers for Unitary Air Conditioning Equipment (new standard)

Stakeholders: HVAC manufacturers, evaporative cooling equipment manufacturers, consumers, design engineers, utilities

Project Need: To calculate the design and seasonal energy savings potential and water-use performance of add-on evaporative pre-coolers for condenser inlet air of air-cooled, direct expansion unitary air conditioning equipment.

To provide test methods for gathering performance data for use in calculating the design and seasonal energy savings potential and water-use performance of add-on evaporative pre-coolers for condenser inlet air of air-cooled, direct expansion unitary air conditioning equipment.

## ASTM (ASTM International)

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

**Contact:** Jeff Richardson

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

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

BSR/ASTM WK39567-201x, New Specification for Football Helmet Eye Shield Visors (new standard)

Stakeholders: Sports Equipment, Playing Surfaces, and Facilities Industry

Project Need: This specification covers polymer type eye protectors designed to attach to and complement football helmet faceguards so to provide for additional protection and reduce injury to the eye and adnexa due to impact on the field of play from objects which may penetrate the protection provided by the grid of the helmet faceguard.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK39567.htm>

## CSA (CSA Group)

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

**Contact:** Cathy Rake

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

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

BSR/CSA C448-201x, Design and Installation of Earth Energy Systems (new standard)

Stakeholders: Consumers, Manufacturers, Drillers, Regulators, Owners

Project Need: Safety

This Standard will apply to:

- 1) direct expansion ground source heat pumps and unitary single package or split system liquid source and earth energy heat pumps for all systems using groundwater, submerged heat exchangers, or ground heat exchangers as a thermal source or sink for heating and/or cooling, with or without a supplementary heating source.
- 2) thermal energy storage systems
- 3) new and retrofit installations. This standard will cover minimum requirements for equipment, material selection, site survey, system design, installation, testing and verification, documentation, commissioning and decommissioning.

## ECA (Electronic Components Association)

**Office:** 2214 Rock Hill Road, Suite 170  
Herndon, VA 20170

**Contact:** Laura Donohoe

**Fax:** (571) 323-0245

**E-mail:** [ldonohoe@eciaonline.org](mailto:ldonohoe@eciaonline.org)

BSR/EIA 198-2-E-201x, Ceramic Dielectric Capacitors Classes I, II, III and IV - Part II: Test Methods (new standard)

Stakeholders: Electrical, electronics and telecommunications industry

Project Need: Reestablish a standard currently used by industry as an ANS

This standard establishes uniform methods for testing ceramic capacitors, including basic environmental tests to determine resistance to deleterious effects of natural elements, and physical and electrical tests. The tests described herein have been prepared to serve several purposes.

\* BSR/EIA 364-64-201x, Spring Finger Force Test Procedure for Circular Connectors (new standard)

Stakeholders: Electrical, electronics and military applications

Project Need: Standardize test procedure for multiple industry and military applications

To provide a new test standard to evaluate forces on spring fingers on circular connectors.

BSR/EIA 468-C-2008 (R201x), Lead Taping of Components in the Radial Configuration for Automatic Handling (reaffirmation of ANSI/EIA 468-C-2008)

Stakeholders: Electronics, electrical and telecommunications industry

Project Need: Reaffirm a standard currently used by industry

This standard was formulated to provide dimensions and tolerances necessary to lead tape components in the radial format (unidirectional leads) such that they may be automatically handled. Automatic handling includes insertion, preforming and other operations. The emphasis of this standard is on the requirements for high-speed automatic insertion. This standard covers the lead taping requirements for components having two or more radial configured leads, provided these components may be taped in accordance with the requirements of this document.

BSR/EIA 692-201x, Ceramic Capacitor Qualification Specification (new standard)

Stakeholders: Electrical, electronics and telecommunication industry

Project Need: Revise a standard currently used by industry and upgrade to ANS

This specification defines the qualification program for ceramic capacitors. The qualification program is defined in table 1. Specification sheets can be added, as required, to define specific products or to cover unique/specific requirements.

#### FM (FM Approvals)

**Office:** 1151 Boston-Providence Turnpike  
Norwood, MA 2062

**Contact:** *Josephine Mahnken*

**Fax:** (781) 762-9375

**E-mail:** josephine.mahnken@fmglobal.com

BSR/FM 4880-201x, Evaluating Insulated Wall or Wall and Roof/Ceiling Assemblies, Plastic Interior Finish Materials, Plastic Exterior Building Panels, Wall/Ceiling Coating Systems, Interior or Exterior Finish Systems (revision of ANSI FM 4880-2001 (R2007))

Stakeholders: Commercial and industrial building owners, the architectural and specification industries, insurance companies and firefighters.

Project Need: Plastic materials and foam insulated products are frequently used in building construction because they provide many advantages, however the fact that they are combustible is often overlooked. Products that meet the criteria described in this standard will exhibit limited combustibility and fire spread such that sprinkler protection will not be needed for the building construction itself.

This standard sets the performance requirements for insulated wall or wall and/or roof ceiling assemblies, plastic interior finish materials, plastic exterior building panels, wall/ceiling coating systems and interior or exterior finish systems in wall or wall and roof/ceiling constructions installed to maximum heights of 30 ft or 50 ft (9.1 or 15.2 m) or unlimited heights when exposed to an ignition source simulating a building fire as described in this standard.

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

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

**Contact:** *Lisa Yacone*

**Fax:** (732) 562-1571

**E-mail:** l.yacone@ieee.org

BSR/IEEE 56-201x, Guide for Insulation Maintenance of Electric Machines (new standard)

Stakeholders: Power generation OEM and users.

Project Need: Merger of 2 older standards 56 and 432 - Revision and modernization.

This insulation maintenance guide is applicable to rotating electric machines rated from 35 KVA and higher. The procedures detailed herein may also be useful for insulation maintenance of other types of machines.

BSR/IEEE 835a-201x, IEEE Standard Power Cable Ampacity Tables - Amendment 1: Revision to Introduction (addenda to ANSI/IEEE 835 -1994 (R2006))

Stakeholders: Utilities, cable manufacturers, cable users and cable engineers

Project Need: There are several places in the introduction of the document, where there is a discrepancy between a formula and the discussion for the use of that formula. This amendment will correct these errors and make the introduction easier to use.

This amendment will correct errors in identifying terms between the discussion and formulas in the introduction. The amendment will also add definitions and units where needed to make the introduction clearer.

BSR/IEEE 1052-201x, Guide for the Functional Specifications for Transmission Static Synchronous Compensator (STATCOM) Systems (new standard)

Stakeholders: Utilities, STATCOM Systems manufacturers

Project Need: The guide assists the users in understanding the functional requirements for the specifications and the implementation of STATCOM Systems. This guide should be considered a general purpose resource and it does not necessarily include all the required details needed for a specific application.

This guide assists users in specifying the functional requirements for Transmission Static Synchronous Compensator (STATCOM) Systems, rated 69kV and above, using forced commutated technology based on Voltage Sourced Converter topologies. This guide covers specifications, applications, engineering studies, main component characteristics, system functions and features, factory testing, commissioning, and operations of the STATCOM Systems.

BSR/IEEE 1547a-201X, Standard for Interconnecting Distributed Resources with Electric Power Systems - Amendment 1 (addenda to ANSI/IEEE 1547-2009)

Stakeholders: Utilities, manufacturers, system integrators, authorities having jurisdiction over the grid, test laboratories, academicians and researchers.

Project Need: The project is needed to support amended requirements based on new functionality that have been developed and established as best practices and accepted as mandatory requirements by stakeholders.

Establish updates to: voltage regulation, and, response to area electric power systems abnormal conditions of voltage and frequency. Additionally, consider if other changes are absolutely necessary in response to updates to be established under preceding topics.

BSR/IEEE 1609.3-2010/Cor 2-201X, IEEE Standard for Wireless Access in Vehicular Environments (WAVE) - Networking Services - Corrigendum 2: Correct identified errors (addenda to ANSI/IEEE 1609.3-2010)

Stakeholders: Developers and users of Intelligent Transportation Systems

Project Need: The purpose of this corrigendum is to align with IEEE Std 802.11-2012 where IEEE 802.11 TGmb made changes to IEEE 802.11p-2010 amendment.

The corrigendum is to correct errors in IEEE Standard 1609.3-2010, including those identified from the incorporation of IEEE 802.11p-2010 amendment into IEEE Standard 802.11-2012.

BSR/IEEE 1609.4-2010/Cor 1-20XX, IEEE Standard for Wireless Access in Vehicular Environments (WAVE)--Multi-channel Operation - Corrigendum 1: Correct identified errors (addenda to ANSI/IEEE 1609.4-2011)

Stakeholders: Developers and users of Intelligent Transport Systems.

Project Need: The purpose of this corrigendum is to align with IEEE Std 802.11-2012 where IEEE 802.11 TGmb made changes to IEEE 802.11p-2010 amendment.

The corrigendum is to correct errors in IEEE Standard 1609.4-2010, including those identified from the incorporation of IEEE 802.11p-2010 amendment into IEEE Standard 802.11-2012.

BSR/IEEE 1719-201x, Guide for Evaluating Stator Cores of AC Electric Machines Rated 1 MVA and Higher (new standard)

Stakeholders: Utilities, Independent Producers, OEM, Repair facilities

Project Need: There is no current standard published to assist a generator owner in determining the need for stator core replacement. There is also no standard published to assess the condition of a stator core.

This guide describes methods that are generally applicable to machines rated 1 MVA (1340 HP) and higher. However, these methods may be applicable to units of lower rating. This guide describes methods which may be used to evaluate the condition of stator cores of ac electric machines including generators, motors, and synchronous condensers. This guide is not intended to provide detailed inspection, testing, and maintenance procedures. Other IEEE standards and references related to stator core evaluations and repairs are listed in Clause 2.

BSR/IEEE 1785.2-201x, Standard for Rectangular Metallic Waveguides and Their Interfaces for Frequencies of 110 GHz and Above. Part 2: Waveguide Interfaces (new standard)

Stakeholders: Defense, communications, homeland security, astronomy, remote-sensing,

Project Need: Rectangular waveguides that operate above 110 GHz are now widely manufactured and are finding more applications in electronic systems. In order to incorporate the rectangular-waveguide components into the electronic system, rectangular-waveguide interfaces are employed. However, there are several interface designs currently in use by industry. These designs are not currently standardized and so the dimensions of the interfaces and the tolerances on these dimensions often differ.

This standard gives specifications for rectangular-waveguide interfaces. This standard considers the tolerances of the waveguide interface dimensions and the effect these have on the electrical properties (in terms of return loss) of the waveguide.

BSR/IEEE 1785.3-201x, Recommended Practice for Rectangular Metallic Waveguides and Their Interfaces for Frequencies of 110 GHz and Above. Part 3: Recommendations for Performance and Uncertainty Specifications (new standard)

Stakeholders: Defense, communications, homeland security, astronomy, remote-sensing,

Project Need: Rectangular waveguides that operate above 110 GHz are now widely manufactured and are finding more applications in electronic systems. In order to incorporate the rectangular-waveguide components into the electronic system, rectangular-waveguide interfaces are employed. However, there are several interface designs currently in use by industry, and these interfaces can introduce connection errors, which have not been investigated previously.

This recommended practice provides recommendations for determining the electrical performance and expected uncertainty of measurement of rectangular waveguide for 110 GHz and above.

BSR/IEEE 1859-201x, Standard for Relaxor-Based Single Crystals for Transducer and Actuator Applications (new standard)

Stakeholders: Growers of piezocrystals; Engineers, designers and manufacturers of electromechanical devices for medical ultrasonics, defense and sensors/actuators, and academic researchers.

Project Need: To facilitate the transition of piezocrystals from the research arena into commercial devices, an industry accepted material standard is required that will provide an expected set of properties for several compositions of interest. An expected set of properties is needed by the device design community and to facilitate discussions between the device design community (industry, government, and academic) and the crystal growers (commercial and academic).

This document covers the physical and electromechanical requirements for relaxor based piezoelectric single crystals of lead magnesium niobate-lead titanate (PMN-PT) and lead zinc niobate-lead-titanate (PZN-PT) solid solutions of perovskite structure, with poling along the crystallographic c-axis (i.e. the <001>-direction), that are intended for fabrication into single plates, multilayer plate devices, and composites with other passive materials for use in medical, industrial, and military transducers, actuators, and sensors.

BSR/IEEE 1879-201x, Trial Use Guide for Extending the Life of Power Cables in the Field (new standard)

Stakeholders: Utilities, industrial organizations, cable suppliers, testing service organizations.

Project Need: While the concept and application of rejuvenation has been available for about 20+ years, this guide would be of most value to those persons new to distribution cable technology (as well as to more experienced personnel). The Guide would enable users to ask the proper questions of the service providers .

This Guide provides criteria for the user to consider when making decisions about whether to rejuvenate or replace service-aged cables. This document reviews issues from the user perspective that relate to preparation, installation and monitoring of rejuvenated cable systems. This document applies to Polyethylene (PE) and cross-linked polyethylene (XLPE) insulated non-hermetic cables where significant experience exists in applying rejuvenation.

BSR/IEEE C57.12.10-2010/Cor 1-201X, IEEE Standard Requirements for Liquid-Immersed Power Transformers - Corrigendum 1:

Correction of Clause 5.1.9 Sudden Pressure Relay (addenda to ANSI/IEEE C57.12.10-2011)

Stakeholders: The primary stakeholders for this project include the manufacturers and users of liquid-filled power transformers and their ancillary equipment. Additional stakeholders also include transformer industry service providers such as consultants, utility contractors, and insurance/casualty underwriters.

Project Need: This corrigenda will correct a technical error in clause 5.1.9, clarifying the intent of the relay actuation time requirement.

This corrigenda will correct a technical error in clause 5.1.9, and clarify the intent of this relay actuation time requirement.

#### **NEMA (ASC C136) (National Electrical Manufacturers Association)**

**Office:** 1300 North 17th Street, Suite 1752  
Rosslyn, VA 22209

**Contact:** Megan Hayes

**Fax:** (703) 841-3385

**E-mail:** megan.hayes@nema.org

BSR C136.30-201x, Roadway and Area Lighting Equipment - Pole Vibration (new standard)

Stakeholders: Manufacturers, users and specifiers for roadway and area lighting equipment

Project Need: Minimum vibration withstand requirements are needed to reduce issues related to pole vibration

This standard covers the minimum vibration withstand requirements and testing procedures for poles used in roadway and area lighting.

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

**Office:** 140 Philips Rd.  
Exton, PA 19341

**Contact:** Travis Murdock

**Fax:** (610) 363-7133

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

BSR/SCTE 35-201x, Digital Program Insertion Cueing Message for Cable (revision of ANSI/SCTE 35-2012)

Stakeholders: Cable Telecommunications Industry

Project Need: Create new standard

This standard supports frame accurate signaling of events in MPEG-2 transport streams along with associated descriptive data. This standard supports the splicing of MPEG-2 transport streams for the purpose of Digital Program Insertion, which includes advertisement insertion and insertion of other content types.

BSR/SCTE 104-201x, Automation System to Compression System Communications Applications Program Interface (API) (revision of ANSI/SCTE 104-2012)

Stakeholders: Cable Telecommunications Industry

Project Need: Create new standard

This standard defines the Communications API between an Automation System and the associated Compression System that will insert SCTE 35 private sections into the outgoing Transport Stream. This standard serves as a companion to both SCTE 35 and SCTE 30.

#### **SMACNA (Sheet Metal and Air-Conditioning Contractors' National Association)**

**Office:** 4201 Lafayette Center Dr.  
Chantilly, VA 20151-1209

**Contact:** Allison Fee

**Fax:** (703) 803-3732

**E-mail:** afee@smacna.org

BSR/SMACNA 005-201X, Round Industrial Duct Construction Standards (revision of ANSI/SMACNA 005-2003)

Stakeholders: Industrial and heavy commercial HVAC designers, contractors, installers and facility owners.

Project Need: This is an update of an existing ANS that is used internationally in industrial and heavy commercial applications.

Offers a standardized, engineered basis for the design and construction of industrial duct of Classes 1 through 5. The standard covers design pressures through negative 30 to positive 50 inch w.g., nominal diameter ranging from 4 to 96 inches and materials including; carbon, galvanized and coated steels, stainless steels, and aluminum alloys. The main revision in the third edition is the incorporation of temperature reduction factors for carbon steel in the design tables.

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

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

**Contact:** Teesha Jenkins

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

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

BSR/TIA 222 F-201x, Structural Standard for Antenna Support Structures and Antennas (revision and redesignation of ANSI/TIA 222-G-2005)

Stakeholders: Industry, Steel Antenna Tower users and manufacturers.

Project Need: Provide updates for an existing standard

To provide minimum criteria for specifying and designing steel antenna towers and antenna supporting structures. This Standard is not intended to supersede applicable codes. The information contained in this Standard was obtained from sources as referenced and noted herein and represents, in the judgment of the subcommittee, the accepted industry practices for minimum standards for the design of steel antenna supporting structures. This document contains a county by county listing of minimum basic wind speeds, as well as, a commentary on ice and other design criteria. It is for general information only.

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

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

**Contact:** Beth Northcott

**Fax:** (847) 664-3198

**E-mail:** Elizabeth.Northcott@ul.com

- \* BSR/UL 62841-2-16-201x, Standard for Safety for Hand-Held Motor-Operated Electrical, Transportable and Garden Tools - Safety - Part 2-16: Particular Requirements for Tackers (national adoption with modifications of IEC 62841-2-16)

Stakeholders: consumers, manufactures of hand-held, transportable, and garden tools - tackers

Project Need: To obtain national recognition of a standard covering electric motor-operated hand-held, transportable, and garden tools - tackers

This International Standard deals with the safety of electric motor-operated or magnetically driven: hand-held tools; transportable tools; lawn and garden machinery. This standard applies to tackers.

- \* BSR/UL 62841-2-17-201x, Standard for Safety for Hand-Held Motor-Operated Electrical, Transportable and Garden Tools - Safety - Part 2-17: Particular Requirements for Routers and Trimmers (national adoption with modifications of IEC 62841-2-17)

Stakeholders: consumers, manufactures of hand-held, transportable, and garden tools - routers and trimmers

Project Need: To obtain national recognition of a standard covering electric motor-operated hand-held, transportable, and garden tools - Routers and Trimmers

This International Standard deals with the safety of electric motor-operated or magnetically driven: hand-held tools; transportable tools; lawn and garden machinery. This standard applies to routers and trimmers.

- \* BSR/UL 62841-2-18-201x, Standard for Safety for Hand-Held Motor-Operated Electrical, Transportable and Garden Tools - Safety - Part 2-18: Particular Requirements for Strapping Tools (national adoption with modifications of IEC 62841-2-18)

Stakeholders: consumers, manufactures of hand-held, transportable, and garden tools - strapping tools

Project Need: To obtain national recognition of a standard covering electric motor-operated hand-held, transportable, and garden tools - strapping tools

This International Standard deals with the safety of electric motor-operated or magnetically driven: hand-held tools; transportable tools; lawn and garden machinery. This standard applies to strapping tools.

- \* BSR/UL 62841-2-19-201x, Standard for Safety for Hand-Held Motor-Operated Electrical, Transportable and Garden Tools - Safety - Part 2-19: Particular Requirements for Jointers (national adoption with modifications of IEC 62841-2-19)

Stakeholders: consumers, manufactures of hand-held, transportable, and garden tools - jointers

Project Need: To obtain national recognition of a standard covering electric motor-operated hand-held, transportable, and garden tools - jointers

This International Standard deals with the safety of electric motor-operated or magnetically driven: hand-held tools; transportable tools; lawn and garden machinery. This standard applies to jointers.

- \* BSR/UL 62841-2-20-201x, Standard for Safety for Hand-Held Motor-Operated Electrical, Transportable and Garden Tools - Safety - Part 2-20: Particular Requirements for Band Saws (national adoption with modifications of IEC 62841-2-20)

Stakeholders: consumers, manufactures of hand-held, transportable, garden tools, band saws

Project Need: To obtain national recognition of a standard covering electric motor-operated hand-held, transportable, and garden tools - band saws

This International Standard deals with the safety of electric motor-operated or magnetically driven: hand-held tools; transportable tools; lawn and garden machinery. This standard applies to band saws.

- \* BSR/UL 62841-2-21-201x, Standard for Safety for Hand-Held Motor-Operated Electrical, Transportable and Garden Tools - Safety - Part 2-21: Particular Requirements for Drain Cleaners (national adoption with modifications of IEC 62841-2-21)

Stakeholders: consumers, manufactures of hand-held, transportable, garden tools, drain cleaners

Project Need: To obtain national recognition of a standard covering motor-operated, hand-held, transportable and gardening tools - drain cleaners

This International Standard deals with the safety of electric motor-operated or magnetically driven: hand-held tools; transportable tools; lawn and garden machinery. This standard applies to drain cleaners.

- \* BSR/UL 62841-2-22-201x, Standard for Safety for Hand-Held Motor-Operated Electrical, Transportable and Garden Tools - Safety - Part 2-22: Particular Requirements for Cut-Off Machines (national adoption with modifications of IEC 62841-2-22)

Stakeholders: consumers, manufactures of hand-held, transportable, and garden tools - cut-off machines

Project Need: To obtain national recognition of a standard covering electric motor-operated hand-held, transportable, and garden tools - cut-off machines

This International Standard deals with the safety of electric motor-operated or magnetically driven: hand-held tools; transportable tools; lawn and garden machinery. This standard applies to cut-off machines.



# Newly Published ISO Standards

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

## AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO 11076:2012, Aircraft - De-icing/anti-icing methods on the ground, \$43.00

ISO 11532:2012, Aircraft ground equipment - Graphical symbols, \$135.00

## CLINICAL LABORATORY TESTING AND IN VITRO DIAGNOSTIC TEST SYSTEMS (TC 212)

ISO 15189:2012, Medical laboratories - Requirements for quality and competence, \$149.00

## COMPRESSORS, PNEUMATIC TOOLS AND PNEUMATIC MACHINES (TC 118)

ISO 3857-4:2012, Compressors, pneumatic tools and machines - Vocabulary - Part 4: Air treatment, \$65.00

## CRANES (TC 96)

ISO 15442:2012, Cranes - Safety requirements for loader cranes, \$180.00

## FIRE SAFETY (TC 92)

ISO 834-12:2012, Fire resistance tests - Elements of building construction - Part 12: Specific requirements for separating elements evaluated on less than full scale furnaces, \$65.00

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

ISO 3183:2012, Petroleum and natural gas industries - Steel pipe for pipeline transportation systems, \$235.00

## MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO 18436-3:2012, Condition monitoring and diagnostics of machines - Requirements for qualification and assessment of personnel - Part 3: Requirements for training bodies and the training process, \$73.00

ISO 18436-5:2012, Condition monitoring and diagnostics of machines - Requirements for qualification and assessment of personnel - Part 5: Lubricant laboratory technician/analyst, \$92.00

## PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 8310:2012, Refrigerated hydrocarbon and non-petroleum based liquefied gaseous fuels - General requirements for automatic tank thermometers on board marine carriers and floating storage, \$73.00

ISO 16384:2012, Refrigerated hydrocarbon and non-petroleum based liquefied gaseous fuels - Dimethylether (DME) - Measurement and calculation on board ships, \$73.00

## PHOTOGRAPHY (TC 42)

ISO 17321-1:2012, Graphic technology and photography - Colour characterisation of digital still cameras (DSCs) - Part 1: Stimuli, metrology and test procedures, \$110.00

## PLASTICS (TC 61)

ISO 2561:2012, Plastics - Determination of residual styrene monomer in polystyrene (PS) and impact-resistant polystyrene (PS-I) by gas chromatography, \$86.00

ISO 11963:2012, Plastics - Polycarbonate sheets - Types, dimensions and characteristics, \$65.00

ISO 1874-2:2012, Plastics - Polyamide (PA) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties, \$65.00

## PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)

ISO 4195:2012, Conveyor belts with heat-resistant rubber covers - Heat resistance of covers - Requirements and test methods, \$49.00

ISO 9980:2012, Belt drives - Grooved pulleys for V-belts (system based on effective width) - Geometrical inspection of grooves, \$65.00

ISO 18573:2012, Conveyor belts - Test atmospheres and conditioning periods, \$43.00

## REFRIGERATION (TC 86)

ISO 14903:2012, Refrigerating systems and heat pumps - Qualification of tightness of components and joints, \$129.00

## ROAD VEHICLES (TC 22)

ISO 16750-2:2012, Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 2: Electrical loads, \$98.00

## RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 13507:2012, Rubber compounds, raw rubbers and compounding materials - Short terms for properties reported in certificates of analysis, \$49.00



**SMALL CRAFT (TC 188)**

ISO 21487:2012, Small craft - Permanently installed petrol and diesel fuel tanks, \$57.00

ISO 15027-1:2012, Immersion suits - Part 1: Constant wear suits, requirements including safety, \$92.00

ISO 15027-2:2012, Immersion suits - Part 2: Abandonment suits, requirements including safety, \$98.00

ISO 15027-3:2012, Immersion suits - Part 3: Test methods, \$92.00

**SMALL TOOLS (TC 29)**

ISO 513:2012, Classification and application of hard cutting materials for metal removal with defined cutting edges - Designation of the main groups and groups of application, \$43.00

ISO 1832:2012, Indexable inserts for cutting tools - Designation, \$110.00

**STEEL (TC 17)**

ISO 16160:2012, Hot-rolled steel sheet products - Dimensional and shape tolerances, \$49.00

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

ISO 11783-2/Cor1:2012, Tractors and machinery for agriculture and forestry - Serial control and communications data network - Part 2: Physical layer - Corrigendum, FREE

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

ISO 24394/Amd1:2012, Welding for aerospace applications - Qualification test for welders and welding operators - Fusion welding of metallic components - Amendment 1, \$16.00

ISO 4136:2012, Destructive tests on welds in metallic materials - Transverse tensile test, \$65.00

ISO 9016:2012, Destructive tests on welds in metallic materials - Impact tests - Test specimen location, notch orientation and examination, \$57.00

**ISO Technical Specifications****AGRICULTURAL FOOD PRODUCTS (TC 34)**

ISO/TS 13136:2012, Microbiology of food and animal feed - Real-time polymerase chain reaction (PCR)-based method for the detection of food-borne pathogens - Horizontal method for the detection of Shiga toxin-producing Escherichia coli (STEC) and the determination of O157, O111, O26, O103 and O145 serogroups, \$104.00

ISO/TS 6579-2:2012, Microbiology of food and animal feed - Horizontal method for the detection, enumeration and serotyping of Salmonella - Part 2: Enumeration by a miniaturized most probable number technique, \$92.00

**CRANES (TC 96)**

ISO/TS 15696:2012, Cranes - List of equivalent terms, \$92.00

**NANOTECHNOLOGIES (TC 229)**

ISO/TS 14101:2012, Surface characterization of gold nanoparticles for nanomaterial specific toxicity screening: FT-IR method, \$104.00

**ROAD VEHICLES (TC 22)**

ISO/TS 14198:2012, Road vehicles - Ergonomic aspects of transport information and control systems - Calibration tasks for methods which assess driver demand due to the use of in-vehicle systems, \$86.00

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

ISO/IEC/IEEE 8802-11:2012, Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 11: Wireless LAN medium access control (MAC) and physical layer (PHY) specifications, \$235.00

# Information Concerning

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## Call for Members

### INCITS Executive Board

#### ANSI-Accredited Standards Developer 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 of choice for information technology developers, producers and users for the creation and maintenance of formal de jure IT standards. INCITS' mission is to promote the effective use of Information and Communication Technology through standardization in a way that balances the interests of all stakeholders and increases the global competitiveness of the member organizations.

The INCITS Executive Board serves as the consensus body with its oversight of programs of its 40+ Technical Committees. Additionally, the INCITS Executive Board exercises international leadership in its role as the US Technical Advisory Group (TAG) to ISO/IEC JTC 1, Information Technology.

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

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

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

## Society of Cable Telecommunications ANSI-Accredited Standards Developer

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

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

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

## ANSI Accredited Standards Developers Reaccreditation

### ASTM International

Comment Deadline: December 17, 2012

**ASTM International** has submitted revisions to its currently accredited operating procedures for documenting consensus on ASTM-sponsored American National Standards, under which it was last reaccredited in 2010. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Ms. Jennifer L. Rodgers, Manager, Committee Services, ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428; phone: (610) 832-9694; Email: [jroddgers@astm.org](mailto:jroddgers@astm.org). You may view/download a copy of the revisions during the public review period at the following URL:

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

Please submit any public comments on the revised procedures to ASTM by **December 17, 2012**, with a copy to the ExSC Recording Secretary in ANSI's New York Office E-mail: [jthomps@ANSI.org](mailto:jthomps@ANSI.org).

## Revision to Operating Procedures NEMA (ASC C18)

Comment Deadline: December 17, 2012

**Accredited Standards Committee C18, Portable Cells and Batteries** has submitted revisions to its currently accredited operating procedures for documenting consensus on ASC C18-sponsored American National Standards, under which it was last reaccredited in 2011. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact the Secretariat of ASC C18: Mr. Andrei Moldoveanu, Technical Director, NEMA, 1300 North 17<sup>th</sup> Street, Suite 1752, Rosslyn, VA 22209; phone: 703.841.3290; Email: [and\\_moldoveanu@nema.org](mailto:and_moldoveanu@nema.org). You may view/download a copy of the revisions *during the public review period* at the following URL:

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

Please submit any public comments on the revised procedures to ASC C18 by **December 17, 2012**, with a copy to the ExSC Recording Secretary in ANSI's New York Office E-mail: [jthomps@ANSI.org](mailto:jthomps@ANSI.org).

## Meetings

### ANSI-Accredited Standards Developer

#### Notice of Meeting: ASC Z133

The next business meeting of the Accredited Standards Committee Z133 (ANSI Standard for Arboricultural Operations — Safety Requirements) will take place on December 12, 2012, at the Westin Baltimore Washington Airport – BWI in Linthicum, Maryland. A newly-seated committee will initiate the next revision cycle, which requires a complete review of the ANSI Z133-2012 standard for the anticipated 2017 revision. For more information, please contact Janet Huber at the International Society of Arboriculture, ASC Z133 Secretariat, by phone (217) 355-9411, ext. 259, or by email [jhuber@isa-arbor.com](mailto:jhuber@isa-arbor.com)

## ANSI Accreditation Program for Third Party Product Certification Agencies

### Scope Extension

Keystone Certifications, Inc.

Comment Deadline: December 17, 2012

Keystone Certifications, Inc., an ANSI-accredited certification body, has extended its scope of ANSI accreditation to include the following:

#### Seal and Insulate with ENERGY STAR Program

Please send your comments by December 17, 2012 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: [rfigueir@ansi.org](mailto:rfigueir@ansi.org), or Nikki Jackson, Senior Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: [njackson@ansi.org](mailto:njackson@ansi.org).

Mr. Jon Hill, President  
Keystone Certifications, Inc.  
564 Old York Road, Suite 5  
Etters, PA 17319  
Tel: 717-932-8500, Fax: 717-932-8501  
E-mail: [jhill@keystonecerts.com](mailto:jhill@keystonecerts.com)

## International Organization for Standardization (ISO)

### Call for International (ISO) Secretariat

#### ISO/TC 69 – Applications of statistical methods

ANSI has been informed by AFNOR (France), the ISO delegated secretariat that they wish to relinquish the role of the secretariat. ISO/TC 69 operates under the following scope:

*Standardization in the application of statistical methods, including generation, collection (planning and design), analysis, presentation and interpretation of data.*

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

### Call for US/TAG and US/TAG Administrator ISO/PC 271 – Compliance Programs

The ISO Technical Management Board has created a new ISO Project Committee on Compliance programs (ISO/PC 271). The secretariat has been assigned to SA (Australia). The new project committee has the following scope:

*Standardization in the field of compliance programs*

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

### Call for US/TAG and US/TAG Administrator ISO/PC 272 – Forensic sciences

The ISO Technical Management Board has created a new ISO Project Committee on Forensic sciences (ISO/PC 272). The secretariat has been assigned to SA (Australia). The new project committee has the following scope:

*Standardization in the field of forensic sciences*

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

### Call for US/TAG and US/TAG Administrator ISO/PC 273 – Customer contact centres

The ISO Technical Management Board has created a new ISO Project Committee on Customer contact centres (ISO/PC 273). The secretariat has been assigned to SABS (South Africa). The new project committee has the following scope:

*Standardization in the field of customer contact centres*

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

### Call for US/TAG and US/TAG Administrator ISO/PC 274 – Light and Lighting

The ISO Technical Management Board has created a new ISO Technical Committee on Light and lighting (ISO/TC 274). The secretariat has been assigned to SABS (South Africa). The new project committee has the following scope:

*Standardization in the field of application of lighting in specific cases complementary to the work items of the International Commission on Illumination (CIE) and the coordination of drafts from the CIE, in accordance with the Council Resolution 19/1984 and Council Resolution 10/1989 concerning vision, photometry and colorimetry, involving natural and man-made radiation over the UV, the visible and the IR regions of the spectrum, and application subjects covering all usage of light, indoors and outdoors, energy efficiency, including environmental, non-visual biological and health effects.*

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

## New Work Item Proposals to ISO

### ABNT (Brazil)

ABNT (Brazil) has proposed the attached new work item proposal to ISO on Research, Development and Innovation - Process Management, with the following scope statement:

This International Standard specifies requirements to a management system in the field of research, development and innovation (RD&I) aiming to provide to users the tools to establish, implement, maintain and improve, efficiently and consistently, their RD&I routines.

This International Standard provides guidance on the research and development activities, which constitutes the base for innovation, through inputs and consolidated technical parameters such as test methods, sampling criteria, safety requirements, among others.

Anyone wishing to review the new work item proposal can request a copy of the proposal by contacting ANSI's ISO Team via email: [isot@ansi.org](mailto:isot@ansi.org) with submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Friday, January 4, 2013.

### ANFOR (France) and ABNT (Brazil)

ANFOR (France) and ABNT (Brazil) have jointly proposed a new work item proposal to ISO on sustainable purchasing with the following scope statement:

The proposed International Standard is aimed at assisting organizations in integrating the economic constraints and the principles and issues of social responsibility as described in ISO 26000 within the purchasing process, independent of their activity or size.

This standard provides standardization of principles and guidelines not only for Procurement Units and Top Managers but also for all stakeholders dealing with purchasing processes both internally and externally (for instance: suppliers, contractors, procurement units, buyers, local authorities and society . . . )

Anyone wishing to review the new work item proposal can request a copy of the proposal by contacting ANSI's ISO Team via email: [isot@ansi.org](mailto:isot@ansi.org) with submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Friday, December 14, 2012.

### BSI (UK)

BSI (UK) has proposed the attached new work item proposal to ISO on Anti-bribery management system - Requirements with the following scope statement:

The standard will specify a set of requirements to enable an organization to develop and implement a policy and objectives to ensure a robust set of anti-bribery measures are put in place. This Standard will address bribery risks in relation to the organization's activities, which could include the following:

- (a) bribery in public, private and voluntary sectors
- (b) bribery by the organization or its personnel or others acting on its behalf or for its benefit
- (c) bribery of the organization or of its personnel or others acting on its behalf or for its benefit
- (d) direct and indirect bribery (eg a bribe paid or received through a third party)
- (e) bribery within the country in which the organization is based, and bribery of in other countries in which the organization operates
- (f) bribery of any value whether large or small
- (g) bribery involving both cash and non cash advantages.

The intention is that the standard will address only bribery as defined by the laws of the countries in which an organization is based and/ or is operating. It is not intended that it should be applicable to other criminal offences such as fraud, antitrust and competition offences or money laundering.

This Standard will be applicable to all organizations, regardless of type, size and nature of business, and whether in the public, private or voluntary sectors.

Anyone wishing to review the new work item proposal can request a copy of the proposal by contacting ANSI's ISO Team via email: [isot@ansi.org](mailto:isot@ansi.org) with submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Friday, December 14, 2012.

## ANSI-ASQ National Accreditation Board (ANAB)

### ISO 9001 Quality Management Systems Notice of Accreditation Certification Body The Standards Institution of Israel

The ANSI-ASQ National Accreditation Board is pleased to announce the following certification body has earned ANAB accreditation for ISO 9001 Quality Management Systems:

The Standards Institution of Israel  
42 Chaim Levanon Street  
Tel Aviv 69977 Israel  
Jacob Jaronsinski  
Phone: +972-52-2775070  
E-mail: [jacob\\_y@sil.org.il](mailto:jacob_y@sil.org.il)  
Web: [www.sil.org.il](http://www.sil.org.il)

## Corrections

**INCITS/ISO/IEC 10175-1-1996 and INCITS/ISO/IEC 10175-2-1996** were mistakenly listed for withdrawal in the January 27, 2012, Standards Action. ITI (INCITS) intends to maintain the ANS approval for both of these standards and has a call for comment notice for the reaffirmation of both INCITS/ISO/IEC 10175-1-1996 and INCITS/ISO/IEC 10175-2-1996) in this edition of Standards Action.



## Standards Action Publishing Schedule for 2013, Volume No. 44

Issue No.	Dates to Submit Data to PSA		Standards Action Dates & Public Review Comment Deadline			
	Submit Start	Submit End	SA Published	30-Day PR ends	45-Day PR Ends	60-day PR Ends
1	12/18/2012	12/24/2012	Jan-4	2/3/2013	2/18/2013	3/5/2013
2	12/25/2012	12/31/2012	Jan-11	2/10/2013	2/25/2013	3/12/2013
3	1/1/2013	1/7/2013	Jan-18	2/17/2013	3/4/2013	3/19/2013
4	1/8/2013	1/14/2013	Jan-25	2/24/2013	3/11/2013	3/26/2013
5	1/15/2013	1/21/2013	Feb-1	3/3/2013	3/18/2013	4/2/2013
6	1/22/2013	1/28/2013	Feb-8	3/10/2013	3/25/2013	4/9/2013
7	1/29/2013	2/4/2013	Feb-15	3/17/2013	4/1/2013	4/16/2013
8	2/5/2013	2/11/2013	Feb-22	3/24/2013	4/8/2013	4/23/2013
9	2/12/2013	2/18/2013	Mar-1	3/31/2013	4/15/2013	4/30/2013
10	2/19/2013	2/25/2013	Mar-8	4/7/2013	4/22/2013	5/7/2013
11	2/26/2013	3/4/2013	Mar-15	4/14/2013	4/29/2013	5/14/2013
12	3/5/2013	3/11/2013	Mar-22	4/21/2013	5/6/2013	5/21/2013
13	3/12/2013	3/18/2013	Mar-29	4/28/2013	5/13/2013	5/28/2013
14	3/19/2013	3/25/2013	Apr-5	5/5/2013	5/20/2013	6/4/2013
15	3/26/2013	4/1/2013	Apr-12	5/12/2013	5/27/2013	6/11/2013
16	4/2/2013	4/8/2013	Apr-19	5/19/2013	6/3/2013	6/18/2013
17	4/9/2013	4/15/2013	Apr-26	5/26/2013	6/10/2013	6/25/2013
18	4/16/2013	4/22/2013	May-3	6/2/2013	6/17/2013	7/2/2013
19	4/23/2013	4/29/2013	May-10	6/9/2013	6/24/2013	7/9/2013
20	4/30/2013	5/6/2013	May-17	6/16/2013	7/1/2013	7/16/2013
21	5/7/2013	5/13/2013	May-24	6/23/2013	7/8/2013	7/23/2013
22	5/14/2013	5/20/2013	May-31	6/30/2013	7/15/2013	7/30/2013
23	5/21/2013	5/27/2013	Jun-7	7/7/2013	7/22/2013	8/6/2013
24	5/28/2013	6/3/2013	Jun-14	7/14/2013	7/29/2013	8/13/2013
25	6/4/2013	6/10/2013	Jun-21	7/21/2013	8/5/2013	8/20/2013
26	6/11/2013	6/17/2013	Jun-28	7/28/2013	8/12/2013	8/27/2013
27	6/18/2013	6/24/2013	Jul-5	8/4/2013	8/19/2013	9/3/2013
28	6/25/2013	7/1/2013	Jul-12	8/11/2013	8/26/2013	9/10/2013



## Standards Action Publishing Schedule for 2013, Volume No. 44

Issue	Dates to Submit Data to PSA		Standards Action Dates & Public Review Comment Deadline			
	No.	Submit Start	Submit End	SA Published	30-Day PR ends	45-Day PR Ends
29	7/2/2013	7/8/2013	Jul-19	8/18/2013	9/2/2013	9/17/2013
30	7/9/2013	7/15/2013	Jul-26	8/25/2013	9/9/2013	9/24/2013
31	7/16/2013	7/22/2013	Aug-2	9/1/2013	9/16/2013	10/1/2013
32	7/23/2013	7/29/2013	Aug-9	9/8/2013	9/23/2013	10/8/2013
33	7/30/2013	8/5/2013	Aug-16	9/15/2013	9/30/2013	10/15/2013
34	8/6/2013	8/12/2013	Aug-23	9/22/2013	10/7/2013	10/22/2013
35	8/13/2013	8/19/2013	Aug-30	9/29/2013	10/14/2013	10/29/2013
36	8/20/2013	8/26/2013	Sep-6	10/6/2013	10/21/2013	11/5/2013
37	8/27/2013	9/2/2013	Sep-13	10/13/2013	10/28/2013	11/12/2013
38	9/3/2013	9/9/2013	Sep-20	10/20/2013	11/4/2013	11/19/2013
39	9/10/2013	9/16/2013	Sep-27	10/27/2013	11/11/2013	11/26/2013
40	9/17/2013	9/23/2013	Oct-4	11/3/2013	11/18/2013	12/3/2013
41	9/24/2013	9/30/2013	Oct-11	11/10/2013	11/25/2013	12/10/2013
42	10/1/2013	10/7/2013	Oct-18	11/17/2013	12/2/2013	12/17/2013
43	10/8/2013	10/14/2013	Oct-25	11/24/2013	12/9/2013	12/24/2013
44	10/15/2013	10/21/2013	Nov-1	12/1/2013	12/16/2013	12/31/2013
45	10/22/2013	10/28/2013	Nov-8	12/8/2013	12/23/2013	1/7/2014
46	10/29/2013	11/4/2013	Nov-15	12/15/2013	12/30/2013	1/14/2014
47	11/5/2013	11/11/2013	Nov-22	12/22/2013	1/6/2014	1/21/2014
48	11/12/2013	11/18/2013	Nov-29	12/29/2013	1/13/2014	1/28/2014
49	11/19/2013	11/25/2013	Dec-6	1/5/2014	1/20/2014	2/4/2014
50	11/26/2013	12/2/2013	Dec-13	1/12/2014	1/27/2014	2/11/2014
51	12/3/2013	12/9/2013	Dec-20	1/19/2014	2/3/2014	2/18/2014
52	12/10/2013	12/16/2013	Dec-27	1/26/2014	2/10/2014	2/25/2014

### 2014 Standards Action Schedule - Volume No. 45

1	12/17/2013	12/23/2013	Jan-3	2/2/2014	2/17/2014	3/4/2014
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## **BSR/UL 300, Standard for Safety for Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment**

### **1. Temperature conversion error correction**

#### **PROPOSAL**

6.1.2 When tested with a cooking appliance, an extinguishing system unit shall:

- a) Result in the flame in the appliance to be completely extinguished upon complete discharge of the extinguishing agent;
- b) For deep fat fryers, woks, and ranges, not permit re-ignition of the grease for 20 minutes or until the temperature of the grease decreases at least 60°F (34 15°C) below its observed auto-ignition temperature, whichever is longer; and
- c) For all appliances other than deep fat fryers, woks- and ranges, not permit re-ignition of grease for 5 minutes.

### **2. Gas radiant char-broilers with integral solid fuel holder(s) and deep fat fryers equipped with an attached moveable obstruction**

#### **PROPOSAL**

6.1.12 A gas radiant char-broiler with integral solid fuel holder(s) intended for flavoring (for example, a solid fuel holder intended for flavoring with mesquite wood) shall simultaneously comply with the requirements of 6.5 and 6.9.

6.1.13 Deep fat fryers equipped with an attached moveable obstruction, such as a cover, shall be evaluated at fixed obstruction locations. The fryer model or the model of the device providing the obstruction with the corresponding fryer size shall be referenced in the manufacturer's installation instructions.

**BSR/UL 458, Standard for Power Converters/Inverters and Power Converter/Inverter Systems for Land Vehicles and Marine Crafts**

**1. Revision of 20.2.3 to clarify the use of supplementary protectors in the output alternating circuits of recreational vehicle inverters.**

20.2.3 If secondary output ~~load branch circuit~~ overcurrent protection is provided, the overcurrent-protective devices shall be fuses or manually reset circuit breakers. The protective devices for alternating current output circuits of recreational vehicle inverters shall be suitable for branch circuit protection. See 6.8 - 6.9.

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**BSR/UL 1254, Standard for Safety for Pre-Engineered Dry Chemical Extinguishing Systems Units**

**1. Flexible nonmetallic hose assemblies for distribution of agent**

**PROPOSAL**

40B.1 A flexible nonmetallic hose assembly as described in Flexible Hose Assemblies Used for Distribution of Agent, Section 21.5 shall operate as intended following the effects of fire exposure.

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## BSR/UL 1581, Reference Standard for Safety for Electrical Wires, Cables, and Flexible Cords

**Table 47.1**

### Index to insulation and jacket materials

Material	Applicable table(s) or paragraphs in this standard
TPU	
60°C, 75°C, and 80°C Insulations and jackets from appliance-wiring material	Table 50.227
90°C Insulations and jackets from appliance-wiring material	Table 50.227.1
105°C Insulations and jackets from appliance-wiring material	Table 50.227.2

**Table 50.227.1**

### Physical properties of 90°C TPU<sup>a</sup> insulations and jackets from appliance-wiring material

<u>Condition of specimens at time of measurement</u>	<u>Minimum ultimate elongation (1-inch or 25-mm bench marks)<sup>b</sup></u>	<u>Minimum tensile strength<sup>b</sup></u>
Unaged	300 percent (3 inches or 75 mm)	1875 lbf/in <sup>2</sup> or 12.9 MPa
Aged in a full-draft circulating-air oven for 168 h at 121.0 ±1.0°C (249.8 ±1.8°F)	70 percent of the result with unaged specimens	65 percent of the result with unaged specimens
<sup>a</sup> TPU designates thermoplastic polyurethane, a compounded thermoplastic elastomer material whose main constituent is a polyester- or polyether-based urethane linear polymer resin characterized by soft amorphous segments containing hard crystalline microdomains.		
<sup>b</sup> TPU is to be tested at a speed of 20 ±1 in/min or 500 ±25 mm/min.		

**Table 50.227.2**

### Physical properties of 105°C TPU<sup>a</sup> insulations and jackets from appliance-wiring material

<u>Condition of specimens at time of measurement</u>	<u>Minimum ultimate elongation (1-inch or 25-mm bench marks)<sup>b</sup></u>	<u>Minimum tensile strength<sup>b</sup></u>
Unaged	450 percent (4-1/2 inches or 112.5 mm)	2500 lbf/in <sup>2</sup> or 17.2 MPa
Aged in a full-draft circulating-air oven for 168 h at 136.0 ±1.0°C (276.8 ±1.8°F)	85 percent of the result with unaged specimens	35 percent of the result with unaged specimens

<sup>a</sup> TPU designates thermoplastic polyurethane, a compounded thermoplastic elastomer material whose main constituent is a polyester- or polyether-based urethane linear polymer resin characterized by soft amorphous segments containing hard crystalline microdomains.

<sup>b</sup> TPU is to be tested at a speed of  $20 \pm 1$  in/min or  $500 \pm 25$  mm/min.

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## BSR/UL 2251, Standard for Safety for Plugs, Receptacles and Couplers for Electric Vehicles

### 1. The Proposed Third Edition of the Standard for Plugs, Receptacles, and Couplers for Electric Vehicles, UL 2251, to Harmonize Requirements with ANCE and CSA

2.17 VEHICLE, ELECTRIC (EV) - An automotive-type vehicle for on-road use, such as passenger automobiles, buses, trucks, vans, neighborhood electric vehicles, and the like, primarily powered by an electric motor that draws current from a rechargeable storage battery, fuel cell, photovoltaic array, or other source of electric current. Plug-in hybrid electric vehicles (PHEV) are considered electric vehicles. For the purpose of this definition, off-road, self-propelled electric vehicles, such as industrial trucks, hoists, lifts, transports, golf carts, airline ground support equipment, tractors, boats, and the like, are not included.~~An over-the-road automotive type vehicle for highway use, such as a passenger automobile, bus, truck, van, or similar vehicle, which receives primary or supplementary power from an electric motor that draws current from a rechargeable storage battery. This term is used to cover electric vehicles and plug-in hybrid electric vehicles.~~

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26.3 Three devices shall be placed in a circulating air oven maintained at a temperature of at least 10°C (18°F) higher than the maximum temperature of the device measured during the temperature test described in the Temperature Rise Test, 46 45, but not less than ~~70°C (158°F)~~ 80°C (176°F). The devices shall remain in the oven for 7 hours. The devices shall be removed from the oven and allowed to cool to room temperature before determining compliance.

**Table 2**

#### Minimum relative thermal indices of insulating materials used in insulation and enclosure applications

Application	Minimum relative thermal index <sup>a</sup> , Degrees C		
	Electrical	Mechanical <sup>b</sup>	
		With impact	Without impact
ELECTRICAL INSULATION			
All devices	<u>80</u> <del>100</del>	<u>60</u> <del>100</del>	<u>80</u> <del>100</del>
ENCLOSURE or parts of an ENCLOSURE			

A. All permanently wired devices and other devices containing fuses	<del>80</del> <u>100</u>	<del>60</del> <u>100</u>	<del>80</del> <u>100</u>
B. All other devices	<del>60</del> <u>100</u>	<del>60</del> <u>100</u>	<del>60</del> <u>100</u>
<p><sup>a</sup> Relative thermal index - Described in Annex A, Ref. No. 19. In Mexico and the US, for materials with other than VTM flammability classifications, the material shall be evaluated using specimen thickness of no more than the thickness employed in the end product or nominal 3.2 mm (1/8 inch) thickness, whichever is greater. In Canada, for materials with other than VTM flammability classifications, the material shall be evaluated using specimen thickness of no more than the thickness employed in the end product or nominal 1.6 mm (1/16 inch) thickness, whichever is greater.</p> <p><sup>b</sup> For filament wound tubing, industrial laminates, vulcanized fiber and similar polymeric materials, the minimum RTI for mechanical shall be the values specified for Electrical.</p>			



### 53 Permanence of Marking Tests (Mexico and US only)

56.1.1 A device shall be legibly and permanently marked, where readily visible after installation, with:

- a) The manufacturer's name, trade name, or trademark or other descriptive marking by which the organization responsible for the device is able to be identified. The manufacturer's identification is permitted to be in a traceable code if the device is identified by the brand or trademark owned by a private labeler.
- b) The catalog number or an equivalent designation, where practicable. If the product is too small, or where legibility would be difficult to attain to include the complete catalog designation or an equivalent designation, or where several catalog numbers use common parts, the complete designation shall appear on the unit container.
- c) The electrical rating in both volts and amperes;
- d) In Canada and the United States, The horsepower rating and associated electrical rating (such as voltage and no. of phases), if so rated.

In Mexico, kW rating shall be marked.

- e) Whether ac or dc or both, see 56.5;

In Mexico, the symbols  or "c.a." for AC, the symbol  or "c.d." for DC, or both, as applicable, shall be used. In Canada and the US, the additional use of symbols is optional.

- f) For devices incorporating either fuses or circuit breakers, the interrupting rating in amperes;

- g) Ambient temperature rating, if higher than 40°C (104°F); and
- h) If intended for a specific location, the type of location in which the device is intended to be used;
- i) For breakaway couplings, the separation force rating.

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## BSR/UL 2523, Standard for Safety for Solid Fuel-Fired Hydronic Heating Appliances, Water Heaters and Boilers

### 1. ANSI/ASME pressure vessel stamps

#### PROPOSAL

24.1 A boiler assembly shall be factory-built as a group assembly and shall include all the essential components necessary for its normal function when installed as intended. A boiler assembly may be shipped as two or more major subassemblies. The boiler pressure vessel shall be constructed, equipped, inspected, tested, and marked in accordance with the ANSI/ASME Boiler and Pressure Vessel Code, Section I, Power Boilers or Section IV, Heating Boilers, or in accordance with Part 5: Heating Boilers for Solid Fuels, Hand and Automatically Stocked, Nominal Heat Output of up to 300 kW - Terminology, Requirements, Testing and Marking, EN303-5, as required by local jurisdiction as appropriate.

71.1 The nameplate shall be plainly marked with the following information:

- a) The name of the manufacturer, the name of the private labeler, or the trademark; a distinctive catalog number or the equivalent; the date of manufacture; and a factory identifier, if the product is manufactured at more than one location. The date and factory identifier may be in code.
- b) The types of fuel that may be burned (for example, wood or coal).
- c) The minimum and maximum draft at the flue collar, expressed to the nearest 0.005 inch (0.12 mm) water column.
- d) The electrical rating of each circuit, other than NEC Class 2, to which separate field-supply wiring will be connected, except as indicated in 71.2. See 71.3 and 71.4.
- e) The minimum, supply-circuit conductor ampacity and the maximum ampere rating of the circuit overcurrent protective device for each circuit having more than one motor that incorporates inherent overheating or separate overload protection. See also 71.5 and 71.6.
- f) The type of flooring, combustible or noncombustible, and the minimum clearances to be provided for installation adjacent to combustible construction.
- g) Identification of all essential parts or subassemblies provided for field assembly.
- h) The following, in letters not less than 1/8 inch (3.2 mm) high: "Do not connect this unit to a chimney flue service another appliance."

i) The date or the period of manufacture not exceeding any consecutive 3 months. The date of manufacture may be abbreviated; or in a nationally accepted conventional code or in a code affirmed by the manufacturer provided that the code:

1) Does not repeat in less than 20 years; and

2) Does not require reference to the manufacturer's records to determine when the product was manufactured.

j) For a boiler, the appropriate ASME or EN303-5 boiler and pressure vessel code marking on a boiler.

k) For a water heater, the appropriate statement, as follows:

1) "Suitable for water (potable) heating only" or;

2) "Suitable for water (potable) heating and space heating."

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