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American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: June 28, 2015

ASPE (American Society of Plumbing Engineers)

New Standard

BSR/ARCSA/ASPE 78-201x, Stormwater Harvesting System Design for Direct End-Use Applications (new standard)

This Standard covers onsite, single-property stormwater catchment systems that utilize the principle of collecting and using precipitation or rain from non-rooftop and other impervious surfaces at, below, and above grade. The objectives of this Standard are to provide guidance on how to provide and maintain a safe alternative to utility-provided water and to optimize stormwater utilization.

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

Send comments (with copy to psa@ansi.org) to: Gretchen Pienta, (847) 296-0002, gpienta@aspe.org

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 676-201x, Standard for Safety for Underwater Luminaires and Submersible Junction Boxes (revision of ANSI/UL 676-2013)

Proposals for marking of isolated low-voltage luminaires and for submersible luminaires.

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

Send comments (with copy to psa@ansi.org) to: Barbara Davis, (408) 754-6722, Barbara.J.Davis@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 844-201X, Standard for Safety for Luminaires (Proposal dated 05-29-15) (revision of ANSI/UL 844-2012)

This proposal includes a revision to add new paragraph 37.5 to the standard.

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

Send comments (with copy to psa@ansi.org) to: Vickie Hinton, (919) 549-1851, Vickie.T.Hinton@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1238-201x, Standard for Safety for Control Equipment for Use with Flammable Liquid Dispensing Devices (revision of ANSI/UL 1238-2008 (R2013))

The following topics are being proposed: (1) User-replaceable fuse marking; (2) Update and clarification of Flammability Test; and (3) Update references to motor standards.

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

Send comments (with copy to psa@ansi.org) to: Marcia Kawate, (408) 754-6743, Marcia.M.Kawate@ul.com

Comment Deadline: July 13, 2015

ADA (American Dental Association)

New Standard

BSR/ADA Standard No. 1079-201x, Standard Content of Electronic Attachments for Dental Claims (new standard)

This standard describes content for electronic dental claims attachments to third party payers.

Single copy price: \$25.00

Obtain an electronic copy from: wardm@ada.org

Order from: Marilyn Ward, (312) 440-2506, wardm@ada.org

Send comments (with copy to psa@ansi.org) to: Paul Bralower, (312) 587-4129, bralowerp@ada.org

ADA (American Dental Association)

Reaffirmation

BSR/ADA Standard No. 1000-2010 (R201x), Standard Clinical Data Architecture (reaffirmation of ANSI/ADA Specification No. 1000-2010)

Patient health information is a critical element in the healthcare decision-making process. Accurate information is essential for timely, appropriate, and quality health services. This standard provides a logical data model for persistent patient data in healthcare information systems that can be engineered into a database supporting various clinical functions such as electronic health records, clinical decision support, imaging, and referrals.

Single copy price: \$158.00

Obtain an electronic copy from: wardm@ada.org

Order from: Marilyn Ward, (312) 440-2506, wardm@ada.org

Send comments (with copy to psa@ansi.org) to: Paul Bralower, (312) 587-4129, bralowerp@ada.org

AISI (American Iron and Steel Institute)

Revision

BSR/AISI S220-201x, North American Standard for Cold-Formed Steel Framing - Nonstructural Members (revision and redesignation of ANSI/AISI S220-2011)

AISI S220 is used for design and installation of cold-formed steel nonstructural members in buildings.

Single copy price: Free

Obtain an electronic copy from: hchen@steel.org/doates@steel.org

Order from: Helen Chen, (202) 452-7100, Hchen@steel.org

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

ASA (ASC S3) (Acoustical Society of America)

Revision

BSR ASA S3.41-201x, Audible Emergency Evacuation (E2) and Evacuation Signals with Relocation Instructions (ESRI) (revision of ANSI ASA S3.41-1990 (R2008))

Specifies the characteristics of acoustic signals to be used for audible emergency evacuation (E2) and audible evacuation signals with relocation instructions (ESRI). It applies to the audible signal only and not to the signaling system components or equipment. The use of these signals either as the only audible means of signaling or as part of a voice message is subject to the requirements of governing laws, codes, or other standards.

Single copy price: \$90.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Susan Blaeser, (631) 390-0215, asastds@acousticalsociety.org

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

ASSE (ASC Z9) (American Society of Safety Engineers)**Revision**

BSR/ASSE Z9.11-201X, Laboratory Decommissioning (revision and redesignation of ANSI/AIHA Z9.11-2008)

A strategy to perform a risk assessment of a research space and to ensure the safety and readiness for the demolition worker to begin work and/or for the next occupant is provided in this standard. This publication identifies the minimum acceptable criteria for completing the decommissioning process, and documenting the necessary information for regulatory and historical purposes. Those involved in the development of a decommissioning plan for a research laboratory of any size will benefit by this guidance document. References, tables, and other resources for assessing the risk level of the project are also included.

Single copy price: \$50.00

Obtain an electronic copy from: TFisher@ASSE.Org

Order from: Tim Fisher, (847) 768-3411, TFisher@ASSE.Org

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

AWS (American Welding Society)**Revision**

BSR/AWS B2.1-1/8-231:201X, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding with Consumable Insert Root followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, IN309, ER309, and E309-15, -16, or -17, or IN309, E309(L), and E309(L)-15, -16, or -17, in the As-Welded Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-1/8-231-2002)

This standard contains the essential welding variables for welding carbon steel to austenitic stainless steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual gas tungsten arc welding, with consumable insert root, followed by shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications and the allowable joint designs for groove welds. This SWPS was developed primarily for pipe applications.

Single copy price: \$124.00

Obtain an electronic copy from: jrosario@aws.org

Order from: Jennifer Rosario, (800) 443-9353, jrosario@aws.org

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443-9353, x466, adavis@aws.org

AWS (American Welding Society)**Revision**

BSR/AWS D1.5M/D1.5-201x, Bridge Welding Code (revision of ANSI/AWS D1.5M/D1.5-2010)

This code covers the welding requirements for AASHTO welded highway bridges made from carbon and low-alloy constructional steels.

Single copy price: \$176.00

Obtain an electronic copy from: sborrero@aws.org

Order from: Stephen Borrero, (305) 443-9353, sborrero@aws.org

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443-9353, x466, adavis@aws.org

CSA (CSA Group)**Revision**

BSR Z21.10.3-201x, Gas Water Heaters, Volume III, Storage Water Heaters with Input Ratings Above 75,000 Btu per Hour, Circulating or Instantaneous (same as CSA 4.3-201x) (revision of ANSI Z21.10.3-2014)

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

Single copy price: Free

Obtain an electronic copy from: cathy.rake@csagroup.org

Order from: Cathy Rake, (216) 524-4990 x88321, cathy.rake@csagroup.org

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

FCI (Fluid Controls Institute)**New Standard**

BSR/FCI 15-1-201x, Standard for Production Testing of Pressure Regulators (new standard)

This standard establishes minimum guidelines for production testing of pressure regulators for use by manufacturers, specifiers, inspectors, and users to ensure atmospheric leak tightness and seat leakage tests have been completed at the factory before shipment.

Single copy price: Free

Obtain an electronic copy from: fcf@fluidcontrolsinstitute.org

Order from: FCI

Send comments (with copy to psa@ansi.org) to: Leslie Schraff, (216) 241-7333, fcf@fluidcontrolsinstitute.org

NEMA (ASC C119) (National Electrical Manufacturers Association)**New Standard**

BSR C119.0-201x, Testing Methods and Equipment Common to the ANSI C119 Family of Standards - For Electric Connectors (new standard)

This standard covers methods and equipment for performing the connector qualification tests common to the ANSI C119 family of standards. Tests that are unique to only one ANSI C119 product standard are not covered in this document and are described in the applicable product standard.

Single copy price: Free

Obtain an electronic copy from: pau_orr@nema.org

Order from: Paul Orr, (703) 841-3227, Pau_orr@nema.org

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

PLASA (PLASA North America)**New Standard**

BSR/PLASA E1.46-201x, Standard for the Prevention of Falls from Theatrical Stages and Raised Performance Platforms (new standard)

The users of theatrical stages and raised platforms can suffer debilitating injuries from falls into orchestra pits, open stage lifts, and similar openings in stage floors. Health and safety regulations require action to prevent these falls by employees, but offer little guidance that is suitable for theatrical environments. This document would provide that guidance for all people at risk, including employees.

Single copy price: Free

Obtain an electronic copy from: http://tsp.plasa.org/tsp/documents/public_review_docs.php

Order from: Karl Ruling, (212) 244-1505, standards.na@plasa.org

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

TAPPI (Technical Association of the Pulp and Paper Industry)

New Standard

BSR/TAPPI T 411 om-201x, Thickness (caliper) of paper, paperboard, and combined board (new standard)

This method describes the procedure for measuring single-sheet thickness and variations in single-sheet thickness of paper, paperboard, and combined board. The term "combined board" encompasses both corrugated and solid fiberboard.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

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

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

TAPPI (Technical Association of the Pulp and Paper Industry)

Revision

BSR/TAPPI T 1006 om-201x, Testing of fiber glass mats: Use of modified TAPPI procedures for sampling and lot acceptance, stiffness, tear resistance, air permeability, and thickness (revision of ANSI/TAPPI T 1006 sp-2010)

The purpose of this standard practice is to list existing TAPPI test methods that provide procedures for sampling and lot acceptance, stiffness, tear resistance, and thickness, and to suggest modifications to these methods for use in the sampling and testing of fiberglass mats.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

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

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

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 62275-201X, Standard for Safety for Cable Management Systems - Cables Ties for Electrical Installations (Proposal dated 5-29-15) (national adoption of IEC 62275 with modifications and revision of ANSI/UL 62275 -2010 (R2014))

The proposed second edition of UL 62275, which is a trinational IEC adoption with modifications, is proposed.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 122-2007 (R201x), Standard for Safety for Photographic Equipment (reaffirmation of ANSI/UL 122-2007 (R2011))

Reaffirmation of ANSI approval is proposed for this standard.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Joshua Sigmon, (919) 549 -1098, Joshua.Sigmon@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 60320-1-2011 (R2015), Standard for Appliance Couplers for Household and Similar General Purposes - Part 1: General Requirements (reaffirmation of ANSI/UL 60320-1-2011)

Reaffirmation and continuance of the second edition of the Standard for Appliance Couplers for Household and Similar General Purposes - Part 1: General Requirements as an American National Standard.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Raymond Suga, (631) 546 -2593, raymond.m.suga@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 464-201X, Standard for Safety for Audible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories (revision of ANSI/UL 464-2012a)

Recirculation of changes for the proposed 10th edition of UL 464, a binational standard with requirements for the U.S. and Canada, covering electrically operated bells, sirens, horns, and similar audible signaling devices, rated at 300 V or less, for fire alarm and signaling systems and intended for indoor and/or outdoor installation in accordance with CSA C22.1, Canadian Electrical Code, Part I, CAN/ULC-S524, Installation of Fire Alarm Systems, and National Electrical Code, NFPA 70, and National Fire Alarm and Signaling Code, NFPA 72.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Paul Lloret, (408) 754 -6618, Paul.E.Lloret@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 758-201X, Standard for Safety for Appliance Wiring Material (Proposal Dated 5/29/15) (revision of ANSI/UL 758-2014b)

Recirculation of changes to norm conformity with the Standard for Conductors of Insulated Cables, IEC 60228.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1332-201x, Standard for Safety for Organic Coatings for Steel Enclosures for Outdoor Use Electrical Equipment (revision of ANSI/UL 1332 -2005 (R2010))

Covers the proposed fifth edition of UL 1332, which includes revisions to clarify existing text, additional terminology, updating of standard references, replacement of obsolete standard references, and changes to reflect current practice.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Megan Sepper, (847) 664 -3411, Megan.M.Sepper@ul.com

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

BSR/UL 1480-201X, Standard for Safety for Spekaers for Fire Alarm and Signaling Systems, Including Accessories (revision of ANSI/UL 1480-2012)

Recirculation of changes for the proposed 6th edition of UL 1480, is a binational standard with requirements for the U.S. and Canada covering speakers, rated at 300 V or less, for fire alarm and signaling systems and intended for indoor and/or outdoor installation in accordance with CSA C22.1, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations, and National Electrical Code, NFPA 70.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Paul Lloret, (408) 754-6618, Paul.E.Lloret@ul.com

Comment Deadline: July 28, 2015**IEEE (Institute of Electrical and Electronics Engineers)****New National Adoption**

BSR/IEEE 15026-1-2014, Systems and Software Engineering - Systems and Software Assurance - Part 1: Concepts and Vocabulary (identical national adoption of ISO/IEC 15026-1:2013 and revision of ANSI/IEEE 15026-1-2011)

This part of ISO/IEC 15026 defines assurance-related terms and establishes an organized set of concepts and relationships to establish a basis for shared understanding across user communities for assurance. It provides information to users of the other parts of ISO/IEC 15026 including the combined use of multiple parts. The essential concept introduced by ISO/IEC 15026 is the statement of claims in an assurance case and the support of those claims through argumentation and evidence. These claims are in the context of assurance for properties of systems and software within life cycle processes for the system or software product.

Single copy price: 69.00 (pdf); \$85.00 (print)

Order from: online: <http://standards.ieee.org/store>

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

IEEE (Institute of Electrical and Electronics Engineers)**New Standard**

BSR/IEEE 802.1Xbx-201x, Standard for Local and metropolitan area networks - Port-Based Network Access Control - Amendment 1: MAC Security Key Agreement Protocol (MKA) Extensions (new standard)

This amendment adds MACsec (Media Access Control security) Key Agreement protocol (MKA) data elements and procedures that provide additional security and manageability capabilities, including the ability to maintain secure communication while the operation of MKA is suspended, when used in conjunction with MACsec Cipher Suites that support Extended Packet Numbering.

Single copy price: 170.00 (pdf); \$207.00 (print)

Order from: online: <http://standards.ieee.org/store>

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

IEEE (Institute of Electrical and Electronics Engineers)**New Standard**

BSR/IEEE 1642-201x, Recommended Practice for Protecting Publicly Accessible Computer Systems from Intentional Electromagnetic Interference (IEMI) (new standard)

This recommended practice establishes appropriate electromagnetic (EM) threat levels, protection methods, monitoring techniques, and test techniques for specific classes of computer equipment. This equipment is expected to be accessible to the public at ranges less than 100 meters, and the loss of operation of the equipment due to intentional electromagnetic interference (IEMI) is expected to cause losses (both financial and of confidence) to businesses operating computer equipment, which are providing services to the public or to private companies.

Single copy price: 69.00 (pdf); \$86.00 (print)

Order from: online: <http://standards.ieee.org/store>

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

IEEE (Institute of Electrical and Electronics Engineers)**New Standard**

BSR/IEEE 1871.1-201x, Recommended Practice for Using IEEE 1671.2(TM) Instrument Description Templates for Describing Synthetic Instrumentation for Classes of Instruments such as Waveform Generators, Digitizers, External Oscillators, and Up and Down Converters (new standard)

This recommended practice provides Instrument Description templates, compliant with IEEE 1671.2, that providers of synthetic instruments should use to describe waveform generators, digitizers, external local oscillators, and up and down converters.

Single copy price: 166.00 (pdf); \$207.00 (print)

Order from: online: <http://standards.ieee.org/store>

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

IEEE (Institute of Electrical and Electronics Engineers)**New Standard**

BSR/IEEE 1905.1a-201x, Standard for a Convergent Digital Home Network for Heterogeneous Technologies - Amendment 1: Support of New MAC/PHYs and Enhancements (new standard)

This standard defines an abstraction layer for multiple home network technologies. The abstraction layer provides a common data and control service access point to the heterogeneous home network technologies described in the following specifications: IEEE Std 1901TM-2010, IEEE Std 802.11TM-2012, IEEE Std 802.3TM-2008, and MoCA® 1.1.1.2. Other network technologies are supported by an extensible mechanism using an IEEE OUI and XML-formatted document.

Single copy price: \$67.00 (pdf)

Order from: online: <http://standards.ieee.org/store>

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

IEEE (Institute of Electrical and Electronics Engineers)***New Standard***

BSR/IEEE 3006.5-201x, Recommended Practice for the Use of Probability Methods for Conducting a Reliability Analysis of Industrial and Commercial Power Systems (new standard)

This recommended practice describes how to use probability methods for conducting a reliability analysis of industrial and commercial power systems. It is likely to be of greatest value to the power-oriented engineer with limited experience in the area of reliability. It can also be an aid to all engineers responsible for the electrical design of industrial and commercial power systems.

Single copy price: 69.00 (pdf); \$86.00 (print)

Order from: online: <http://standards.ieee.org/store>

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

IEEE (Institute of Electrical and Electronics Engineers)***New Standard***

BSR/IEEE 15288.1-201x, Standard for Application of Systems Engineering on Defense Programs (new standard)

This standard establishes the requirements for systems engineering activities to be performed on projects of the United States (US) Department of Defense (DoD) and other defense agencies across the entire system life cycle, including the planning, acquisition, modification, and sustainment of defense systems. It provides the foundation for systems engineering within the context of ISO/IEC/IEEE 15288, Systems and software engineering - System life cycle processes, and the acquisition environment of DoD and other defense agencies at all levels of system hierarchy.

Single copy price: 90.00 (pdf); \$112.00 (print)

Order from: online: <http://standards.ieee.org/store>

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

IEEE (Institute of Electrical and Electronics Engineers)***New Standard***

BSR/IEEE 15288.2-201x, Standard for Technical Reviews and Audits on Defense Programs (new standard)

This standard establishes the requirements for technical reviews and audits to be performed throughout the acquisition life cycle for the U.S. Department of Defense (DoD) and other defense agencies. This standard provides the definition, description, and intent, as well as the entry, exit, and success criteria, for each technical review and audit. It is to be used to establish agreement between acquirers and suppliers on the technical reviews and audits that are needed for the project, as well as the focus and expectations of each technical review and audit.

Single copy price: 166.00 (pdf); \$207.00 (print)

Order from: online: <http://standards.ieee.org/store>

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

IEEE (Institute of Electrical and Electronics Engineers)***New Standard***

BSR/IEEE C37.74-201x, Standard Requirements for Subsurface, Vault, and Padmounted Load-Interrupter Switchgear and Fused Load-Interrupter Switchgear for Alternating Current Systems up to 38 kV (new standard)

This standard applies to enclosed assemblies of single-phase and three-phase, dead-front and live-front, subsurface, vault, and pad-mounted, load-interrupter switches with or without protective devices such as fuses or fault interrupters, up to 38 kV rated maximum voltage.

Single copy price: 90.00 (pdf); \$112.00 (print)

Order from: online: <http://standards.ieee.org/store>

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

IEEE (Institute of Electrical and Electronics Engineers)***New Standard***

BSR/IEEE C37.114-2014, Guide for Determining Fault Location on AC Transmission and Distribution Lines (new standard)

This guide outlines the techniques and application considerations for determining the location of a fault on ac transmission and distribution lines. This document reviews traditional approaches and the primary measurement techniques used in modern devices: one-terminal and two-terminal impedance-based methods, synchronized sampling methods and traveling wave methods.

Single copy price: \$115.00 (pdf)

Order from: online: <http://standards.ieee.org/store>

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

IEEE (Institute of Electrical and Electronics Engineers)***New Standard***

BSR/IEEE C37.240-201x, Standard Cybersecurity Requirements for Substation Automation, Protection, and Control Systems (new standard)

This document provides technical requirements for substation cyber security. It presents sound engineering practices that can be applied to achieve high levels of cyber security of automation, protection and control systems independent of voltage class or criticality of cyber assets. Cyber security includes trust and assurance of data in motion, data at rest, and incident response.

Single copy price: 69.00 (pdf); \$86.00 (print)

Order from: online: <http://standards.ieee.org/store>

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

IEEE (Institute of Electrical and Electronics Engineers)***New Standard***

BSR/IEEE C57.155-2014, Guide for Interpretation of Gases Generated in Natural Ester and Synthetic Ester-Immersed Transformers (new standard)

The guide's application is for Natural and Synthetic Ester-immersed transformers. This guide addresses the following:

- The theory of combustible gas generation in a natural and synthetic ester filled transformer;
- Interpretation of the dissolved gas analysis results;
- Recommended actions based on the interpretation of dissolved gas analysis results; and
- A bibliography of related literature.

Single copy price: 91.00 (pdf); \$112.00 (print)

Order from: online: <http://standards.ieee.org/store>

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

IEEE (Institute of Electrical and Electronics Engineers)**Revision**

BSR/IEEE 802.1AX-201x, Standard for Local and Metropolitan Area Networks - Link Aggregation (revision of ANSI/IEEE 802.1AX-2008)

Link Aggregation allows parallel full duplex point-to-point links to be used as if they were a single link, and also supports the use of multiple links as a resilient load-sharing interconnect between multiple nodes in two separately administered networks. This standard defines a MAC independent Link Aggregation capability, and general information relevant to specific to MAC types.

Single copy price: 345.00 (pdf); \$414.00 (print)

Order from: online: <http://standards.ieee.org/store>

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

IEEE (Institute of Electrical and Electronics Engineers)**Revision**

BSR/IEEE 1434-2014, Guide for the Measurement of Partial Discharges in AC Electric Machinery (revision of ANSI/IEEE 1434-2005)

This guide discusses both on-line and off-line partial discharge (PD) measurements on complete windings of any type, as well as measurements on individual form-wound coils and bars. Measurements selected from those that are outlined may be appropriate for application during the manufacture, installation, operation, and maintenance of windings of ac electric machinery.

Single copy price: 117.00 (pdf); \$144.00 (print)

Order from: online: <http://standards.ieee.org/store>

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

IEEE (Institute of Electrical and Electronics Engineers)**Revision**

BSR/IEEE 1566-201x, Standard for Performance of Adjustable-Speed AC Drives Rated 375 kW and Larger (revision of ANSI/IEEE 1566-2006)

This standard applies to ac adjustable speed drive (ASD) systems rated above 375 kW and above 750 V output voltage as used in petrochemical and similar applications. It covers the performance requirements for an ASD system including, but not limited to, input transformer or reactor as required, power electronics, control interfaces, cooling system, switchgear, and motor. Requirements for power quality, engineering analysis, start-up assistance, training, and spare parts are also included.

Single copy price: 115.00 (pdf); \$144.00 (print)

Order from: online: <http://standards.ieee.org/store>

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

IEEE (Institute of Electrical and Electronics Engineers)**Revision**

BSR/IEEE C37.11-201x, Standard Requirements for Electrical Control for AC High-Voltage (>1000 V) Circuit Breakers (revision of ANSI/IEEE C37.11-1997 (R2004))

This standard establishes basic requirements for the control schemes of electrically controlled ac high-voltage circuit breakers rated above 1000V. This standard is applicable to any type of power-operated mechanism and for both ac and dc control power. Only the basic control elements of the circuit breaker, including reclosing where required, are included in this standard.

Single copy price: 47.00 (pdf); \$59.00 (print)

Order from: online: <http://standards.ieee.org/store>

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

IEEE (Institute of Electrical and Electronics Engineers)**Revision**

BSR/IEEE C37.122.1-2014, Guide for Gas-Insulated Substations Rated Above 52 kV (revision of ANSI/IEEE C37.122.1-2002 (R2008))

This guide provides information of special relevance to planning, design, testing, installation, operation and maintenance of gas-insulated substations (GIS) and equipment. This guide is intended to supplement IEEE Std C37.122.

Single copy price: 117.00 (pdf); \$144.00 (print)

Order from: online: <http://standards.ieee.org/store>

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

IEEE (Institute of Electrical and Electronics Engineers)**Revision**

BSR/IEEE C62.92.4-2014, Guide for the Application of Neutral Grounding in Electrical Utility Systems - Part IV: Distribution (revision of ANSI/IEEE C62.92.4-1991 (R2002))

This section of the guide is concerned with the neutral grounding of single and three phase alternating current (ac) electric utility primary distribution systems with nominal voltages in the range of 2.4 kV to 34.5 kV. For the purpose of this guide, the term "distribution" includes the substation providing power to distribution feeders, the distribution feeders, and the distribution transformers providing service at utilization voltages.

Single copy price: 69.00 (pdf); \$86.00 (print)

Order from: online: <http://standards.ieee.org/store>

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

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

INCITS/ISO/IEC TR 15443-1:2005 [2015], Information technology - Security techniques - Framework for IT security assurance - Part 1: Overview and Framework (Technical Report) (technical report)

ISO/IEC TR 15443-1:2012 defines terms and establishes an extensive and organized set of concepts and their relationships for understanding IT security assurance, thereby establishing a basis for shared understanding of the concepts and principles central to ISO/IEC TR 15443 across its user communities. It provides information fundamental to users of ISO/IEC TR 15443-2.

Single copy price: \$60.00

Order from: <http://webstore.ansi.org>

Send comments (with copy to psa@ansi.org) to: comments@itic.org

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

INCITS/ISO/IEC TR 15443-2:2005 [2015], Information technology - Security techniques - Security assurance framework - Part 2: Analysis (Technical Report) (technical report)

ISO/IEC TR 15443-2:2012 builds on the concepts presented in ISO/IEC TR 15443-1. It provides a discussion of the attributes of security assurance conformity assessment methods that contribute towards making assurance claims and providing assurance evidence to fulfill meeting the assurance requirements for a deliverable

Single copy price: \$60.00

Order from: <http://webstore.ansi.org>

Send comments (with copy to psa@ansi.org) to: comments@itic.org

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

INCITS/ISO/IEC TR 14516:2002 [2015], Information technology - Security techniques - Guidelines on the use and management of Trusted Third Party services (Technical Report) (technical report)

Associated with the provision and operation of a Trusted Third Party (TTP) are a number of security-related issues for which general guidance is necessary to assist business entities, developers and providers of systems and services, etc. This includes guidance on issues regarding the roles, positions and relationships of TTPs and the entities using TTP services, the generic security requirements, who should provide what type of security, what the possible security solutions are, and the operational use and management of TTP service security.

Single copy price: \$60.00

Order from: <http://webstore.ansi.org>

Send comments (with copy to psa@ansi.org) to: comments@itic.org

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

INCITS/ISO/IEC TR 15446:2009 [2015], Information technology - Security techniques - Guide for the production of Protection Profiles and Security Targets (Technical Report) (technical report)

ISO/IEC TR15446:2009 provides guidance relating to the construction of Protection Profiles (PPs) and Security Targets (STs) that are intended to be compliant with the third edition of ISO/IEC 15408. It is also applicable to PPs and STs compliant with Common Criteria Version 3.1, a technically identical standard published by the Common Criteria Management Board, a consortium of governmental organizations involved in IT security evaluation and certification.

Single copy price: \$60.00

Order from: <http://webstore.ansi.org>

Send comments (with copy to psa@ansi.org) to: comments@itic.org

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

INCITS/ISO/IEC TR 19791:2006 [2015], Information technology - Security techniques - Security assessment of operational systems (Technical Report) (technical report)

ISO/IEC TR 19791:2010 provides guidance and criteria for the security evaluation of operational systems. It provides an extension to the scope of ISO/IEC 15408 by taking into account a number of critical aspects of operational systems not addressed in ISO/IEC 15408 evaluation. The principal extensions that are required address evaluation of the operational environment surrounding the target of evaluation, and the decomposition of complex operational systems into security domains that can be separately evaluated.

Single copy price: \$60.00

Order from: <http://webstore.ansi.org>

Send comments (with copy to psa@ansi.org) to: comments@itic.org

Projects Withdrawn from Consideration

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

API (American Petroleum Institute)

BSR/API Standard 534-201x, Heat Recovery Steam Generators for Combustion Turbine Exhaust Applications (new standard)

Inquiries may be directed to Nathaniel Wall, (202) 682-8157, walln@api.org

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.

ASSE (ASC Z9) (American Society of Safety Engineers)

Office: 520 N. Northwest Highway
Park Ridge, IL 60068

Contact: Tim Fisher

Phone: (847) 768-3411

Fax: (847) 296-9221

E-mail: TFisher@ASSE.org

BSR/ASSE Z9.11-201X, Laboratory Decommissioning (revision and redesignation of ANSI/AIHA Z9.11-2008)

Obtain an electronic copy from: TFisher@ASSE.Org

FCI (Fluid Controls Institute)

Office: 1300 Sumner Avenue
Cleveland, OH 44115

Contact: Leslie Schraff

Phone: (216) 241-7333

Fax: (216) 241-0105

E-mail: fci@fluidcontrolsintstitute.org

BSR/FCI 15-1-201x, Standard for Production Testing of Pressure Regulators (new standard)

Obtain an electronic copy from: FCI

SAE (SAE International)

Office: 755 W. Big Beaver Rd., Suite 1600
Troy, MI 48084

Contact: Jennifer Collins

Phone: (248) 273-2457

Fax: (248) 273-2494

E-mail: jennifer.collins@sae.org

BSR/SAE J3097-201x, Standard for Safety Glazing Materials for Glazing Motor Vehicles and Motor Vehicle Equipment Operating on Land Highways - Safety Standard (new standard)

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Peachtree Corners, GA 30092

Contact: Charles Bohanan

Phone: (770) 209-7276

Fax: (770) 446-6947

E-mail: standards@tappi.org

BSR/TAPPI T 419 om-201x, Starch in paper (new standard)

Obtain an electronic copy from: standards@tappi.org

BSR/TAPPI T 830 om-201x, Ink rub test of container board and corrugated board (new standard)

TIA (Telecommunications Industry Association)

Office: 1320 North Courthouse Road
Suite 200
Arlington, VA 22201

Contact: Marianna Kramarikova

Phone: (703) 907-7743

E-mail: standards@tiaonline.org

BSR/TIA 102.BAEA-C-201x, Data Overview and Specification (revision and redesignation of ANSI/TIA 102.BAEA-B-2012)

BSR/TIA 102.BAEE-C-201x, Radio Management Protocols (revision and redesignation of ANSI/TIA 102.BAEE-B-2010)

UL (Underwriters Laboratories, Inc.)

Office: 455 E Trimble Road
San Jose, CA 95131-1230

Contact: Paul Lloret

Phone: (408) 754-6618

Fax: (408) 754-6618

E-mail: Paul.E.Lloret@ul.com

BSR/UL 464-201X, Standard for Safety for Audible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories (revision of ANSI/UL 464-2012a)

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

BSR/UL 1238-201x, Standard for Safety for Control Equipment for Use with Flammable Liquid Dispensing Devices (revision of ANSI/UL 1238-2008 (R2013))

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

Final Actions on American National Standards

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

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

New Standard

ANSI/AHRI Standard 770 (I-P)-2014, Performance Rating of Refrigerant Pressure Regulating Valves (new standard): 5/19/2015

ANSI/AHRI Standard 771 (SI)-2014, Performance Rating of Refrigerant Pressure Regulating Valves (new standard): 5/19/2015

ANSI/AHRI Standard 1350 (I-P)-2014, Mechanical Performance Rating of Central Station Air-handling Unit Casings (new standard): 5/19/2015

ANSI/AHRI Standard 1351 (SI)-2015, Mechanical Performance Rating of Central Station Air-handling Unit Casings (new standard): 5/19/2015

Revision

ANSI/AHRI Standard 1061 (SI)-2014, Performance Rating of Air-to-Air Exchangers for Energy Recovery Ventilation Equipment (revision of ANSI/AHRI Standard 1061 (SI)-2011): 5/19/2015

ANSI/AHRI Standard 1250 (I-P)-2014, Performance Rating of Walk-In Coolers and Freezers (revision of ANSI/AHRI Standard 1250 (I-P)-2009): 5/19/2015

ANSI/AHRI Standard 1251 (SI)-2014, Performance Rating of Walk-In Coolers and Freezers (revision of ANSI/AHRI Standard 1251 (SI)-2014): 5/19/2015

API (American Petroleum Institute)

New Standard

ANSI/API RP 1173-2015, Pipeline Safety Management Systems (new standard): 5/19/2015

ASA (ASC S3) (Acoustical Society of America)

Reaffirmation

ANSI/ASA S3.35-2010 (R2015), Method of Measurement of Performance Characteristics of Hearing Aids Under Simulated Real-Ear Working Conditions (reaffirmation of ANSI ASA S3.35-2010): 5/21/2015

ASABE (American Society of Agricultural and Biological Engineers)

Revision

ANSI/ASABE S602.2 MONYEAR-2015, General Safety Standard for Agricultural Tractors in Scraper Applications (revision and redesignation of ANSI/ASABE S602.1-2014): 5/21/2015

ASME (American Society of Mechanical Engineers)

New Standard

ANSI/ASME MFC 21.1-2015, Measurement of Gas Flow by Means of Capillary Tube Thermal Mass Flowmeters and Controllers (new standard): 5/19/2015

ANSI/ASME PTC 47.4-2015, Performance Test Code for the Power Block of an Integrated Gasification Combined Cycle Power Plant (new standard): 5/22/2015

Reaffirmation

ANSI/ASME B1.13M-2005 (R2015), Metric Screw Threads: M Profile (reaffirmation of ANSI/ASME B1.13M-2005 (R2010)): 5/21/2015

Revision

ANSI/ASME B5.50-2015, 7/24 Taper Tool to Spindle Connection for Automatic Tool Change (revision of ANSI/ASME B5.50-2009): 5/21/2015

ANSI/ASME B30.4-2015, Portal and Pedestal Cranes (revision of ANSI/ASME B30.4-2010): 5/19/2015

ASTM (ASTM International)

Reaffirmation

ANSI/ASTM E2819-2011 (R2015), Practice for Single- and Multi-Level Continuous Sampling of a Stream of Product by Attributes Indexed by AQL (reaffirmation of ANSI/ASTM E2819-2011): 5/15/2015

Revision

ANSI/ASTM E1354-2015, Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter (revision of ANSI/ASTM E1354-2014): 5/15/2015

ANSI/ASTM F1952-2015, Specification for Helmets Used for Downhill Mountain Bicycle Racing (revision of ANSI/ASTM F1952-2010): 5/15/2015

ANSI/ASTM F2032-2015, Specification for Helmets Used for BMX Cycling (revision of ANSI/ASTM F2032-2006 (R2011)): 5/15/2015

ATCC (American Type Culture Collection)

Revision

ANSI/ATCC ASN-0001.1-2015, Standardization of in vitro Assays to Determine Anthrax Toxin Activities (revision and redesignation of ANSI/ATCC ASN-0001-2009): 5/19/2015

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

New Standard

INCITS 496-2012/AM1-2015, Information technology - Fibre Channel - Security Protocols - 2 - Amendment 1 (FC-SP-2/AM1) (new standard): 5/19/2015

Revision

INCITS 410-2015, Information Technology - Identification Cards - Limited Use (LU), Proximity Integrated Circuit Card (PICC) (revision of INCITS 410:2006 [R2011]): 5/19/2015

NCPDP (National Council for Prescription Drug Programs)

Revision

ANSI/NCPDP SCRIPT 2015041-2015, NCPDP SCRIPT Standard 2015041 (revision and redesignation of BSR/NCPDP SC WG110060201xxx#): 5/19/2015

NSF (NSF International)

New Standard

* ANSI/NSF 375-2015 (i1r2), Sustainability Assessment for Water Contact Products (new standard): 4/1/2015

Revision

* ANSI/NSF 42-2015 (i73r5), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2014): 5/19/2015

* ANSI/NSF 53-2015 (i85r5), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2014): 5/17/2015

- * ANSI/NSF 58-2015 (i69r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2014): 5/25/2015
- * ANSI/NSF 330-2015 (i7r4), Glossary of Drinking Water Treatment Unit Terminology (revision of ANSI/NSF 330-2013, BSR/NSF 330-201x (i7r3)): 5/17/2015
- * ANSI/NSF 332-2015 (i8r1), Sustainability Assessment for Resilient Floor Coverings (revision of ANSI/NSF 332-2012): 1/26/2015

PLASA (PLASA North America)

New Standard

ANSI E1.54-2015, PLASA Standard for Color Communication in Entertainment Lighting (new standard): 5/21/2015

Revision

ANSI E1.17-2015, Entertainment Technology - Architecture for Control Networks (revision of ANSI E1.17-2010): 5/21/2015

UL (Underwriters Laboratories, Inc.)

Revision

ANSI/UL 51-2015, Standard for Safety for Power-Operated Pumps and Bypass Valves for Anhydrous Ammonia, LP-Gas, and Propylene (Proposal dated 1-16-15) (revision of ANSI/UL 51-2014): 5/18/2015

ANSI/UL 1004-4-2015, Standard for Safety for Electric Generators (Proposal dated 3-6-15) (revision of ANSI/UL 1004-4-2011): 5/18/2015

ANSI/UL 1446-2015, Standard for Safety for Systems of Insulating Materials - General (Proposal dated 12-26-14) (revision of ANSI/UL 1446-2011a): 5/19/2015

ANSI/UL 1703-2015, Standard for Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 1703-2012a): 5/19/2015

ANSI/UL 1703-2015a, Standard for Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 1703-2014c): 5/19/2015

Project Initiation Notification System (PINS)

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

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

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

AAMI (Association for the Advancement of Medical Instrumentation)

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

Contact: Colleen Elliott

Fax: (703) 276-0793

E-mail: celliott@aami.org

BSR/AAMI/ISO 18190-201x, Anaesthetic and respiratory equipment - General requirements for airways and related equipment (identical national adoption of ISO 18190)

Stakeholders: Airways and related equipment manufacturers, clinicians.

Project Need: To consolidate requirements for airways and related equipment.

Specifies the general requirements common to airways and related equipment and applies to those device-specific standards that reference them.

API (American Petroleum Institute)

Office: 1220 L Street, NW
Washington, DC 20005-4070

Contact: Nathaniel Wall

E-mail: walln@api.org

BSR/API Standard 565-201x, Reactor Furnaces in Sulfur Recovery Units for General Refinery Service (new standard)

Stakeholders: Petroleum, natural gas, and petrochemical industry equipment manufacturers-service suppliers, petroleum refinery/petrochemical plant owner-operators and consultants/contracted experts (other).

Project Need: There is currently no industry standard for the safe design, operation, and maintenance of reactor furnaces used in sulfur recovery units. The industry currently relies on equipment suppliers and owner/operator internal standards, which vary from company to company. The lack of an industry standard fosters uncertainties among contractors, vendors, and owner/operators regarding minimum requirements. This can lead to design delays, extra engineering work, added costs, and substandard installations.

This standard provides recognized industry requirements and guidance for the design, specification, fundamental operation, instrumentation, control, protective systems, and maintenance of sulfur recovery unit reaction furnaces used in general refinery service. It also includes guidance on safe operation, maintenance, and burner control of these units. The scope of this standard includes application in both air-only and oxygen-enriched modified Claus process operations.

BSR/Standard 561-201x, Reforming Furnaces for Hydrogen and Syngas Production (new standard)

Stakeholders: Petroleum, natural gas, and petrochemical industry equipment manufacturers-service suppliers, petroleum refinery/petrochemical plant owner-operators and consultants/contracted experts (other).

Project Need: This standard is needed to increase equipment safety, reliability, and efficiency and to lower repair costs in the refining industry. This standard will replace often-conflicting design specifications and operating guidelines presently used by refineries, contractors, licensors, and vendors. From experience, this has led to several safety and reliability issues that would have been resolved if a suitable standard had been available.

Specifies the requirements and gives recommendations for the design, materials, fabrication, instruments/controls/protective systems, inspection, testing, preparation for shipment, and erection that are unique to externally fired steam reforming furnaces for hydrogen and synthesis gas production (steam hydrocarbon reformers) in refining and chemical plant applications. This standard covers all firing configurations including, but not limited to, multilevel upfired, top-fired, bottom-fired and side-fired designs. This standard does not include upstream or downstream reforming equipment (pre-reformers, post-reformers, secondary reformers, or autothermal reformers).

ASABE (American Society of Agricultural and Biological Engineers)

Office: 2950 Niles Road
St Joseph, MI 49085

Contact: Carla VanGilder

Fax: (269) 429-3852

E-mail: vangilder@asabe.org

BSR/ASAE S315.5 MONYEAR-201x, Agricultural Baling Twine for Automatic Balers (revision and redesignation of ANSI/ASAE S315.4 -2012)

Stakeholders: Twine producers, large square baler manufacturers, users of agricultural baler twine.

Project Need: Add a twine ball package size category for large square balers with larger limits than currently specified. The current package size limits will continue to exist as a Category 1 twine ball and limits for the larger twine ball specified as a Category 2 twine ball. The larger package size will provide an alternative for greater twine carry capability of large square balers.

This standard is to provide uniform polyolefin and sisal agricultural baler twine specifications to ensure satisfactory performance in round and square balers and have adequate durability in normal storage and handling of baled forage and biomass materials. It is intended to cover agricultural baler twines manufactured for use in round balers, small square balers, and large square balers. It is not intended to restrict manufacturers in the use of materials or manufacturing processes, rather create a minimum expectation of baler twine product performance.

ASTM (ASTM International)

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

Contact: Corice Leonard

Fax: (610) 834-3683

E-mail: accreditation@astm.org

BSR/ASTM WK50028-201x, New Practice for Specimen Preparation and Mounting of Plastic Pipe and Tubing, Materials and Assemblies for Building Applications to Assess Surface Burning Characteristics (new standard)

Stakeholders: Surface Burning industry.

Project Need: The purpose of this new mounting method is to provide a standardized mounting procedure for plastic pipe and tubing and associated products and materials for testing according to the ASTM E84.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK50028.htm>

BSR/ASTM WK50034-201x, New Specification for Football Helmet Eye Shield Visors (new standard)

Stakeholders: Eye Safety for Sports industry.

Project Need: This specification covers polymer-type eye protectors designed to attach to and compliment 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/WK50034.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

* BSR Z83.19-201x, Gas-Fired High Intensity Infrared Heaters (same as CSA 2.35) (revision of ANSI Z83.19-2009 (R2014))

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

Project Need: Revised and new text.

Details test and examination criteria for gas-fired high-intensity infrared heaters for use with natural, manufactured, mixed, and liquefied petroleum (propane) gases and may be convertible for use with natural and LP-gases. Applies to heaters for installation in and heating of outdoor spaces or nonresidential indoor spaces where flammable gases or vapors are not generally present.

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

Office: 445 Hoes Lane, PO Box 1331
Piscataway, NJ 08855-1331

Contact: Patricia Roder

Fax: (732) 562-1571

E-mail: p.roder@ieee.org

BSR C63.14-201x, Standard Dictionary of Electromagnetic Compatibility (EMC) including Electromagnetic Environmental Effects (E3) (revision of ANSI C63.14-2014)

Stakeholders: Electronics equipment manufacturers, military systems, EMC test laboratories, telecommunications service providers, medical equipment manufacturers, test equipment manufacturers.

Project Need: This standard defines key terminology associated with the engineering disciplines of electromagnetic compatibility (EMC), electromagnetic environmental effects (E3), and Spectrum Management (SM). In addition, symbols, abbreviations, and other related terms are also included.

Terms associated with electromagnetic environmental effects including electromagnetic compatibility (EMC), electromagnetic pulse (EMP), and electrostatic discharge (ESD) are defined. Quantities, units, multiplying factors, acronyms, and abbreviations are covered.

BSR C63.29-201x, Standard for Compliance Testing of Lighting Products (new standard)

Stakeholders: Telecom, consumer, government, test laboratories, certification bodies, LED lighting manufacturers, trade associations.

Project Need: A new standard is needed to test compliance of LED lighting products with applicable radio regulatory requirements.

This standard is intended to include procedures for compliance testing of general illumination lighting products with applicable radio regulatory requirements. This standard encompass various technologies, from traditional lighting like (fluorescent and HID) as well as novel technologies (like LED and other). Related national and international standards (e.g., CISPR 15, ANSI C63.4) will be reviewed and used to the extent possible.

BSR C63.30-201x, Standard for Compliance Testing of Wireless Power Transfer Products (new standard)

Stakeholders: Telecom, consumer, government, test laboratories, certification bodies, WPT manufacturers.

Project Need: A new standard is needed to test compliance of Wireless Power Transfer (WPT) products with applicable EMC and radio regulatory requirements.

This standard is intended to include procedures for compliance testing of several different types of Wireless Power Transfer (WPT) products with applicable electromagnetic compatibility (EMC) and radio regulatory requirements. Test procedures will focus on radiated field and conducted measurements and may reference established standards. WPT RF exposure compliance procedures will not be included, although standards pertaining to laboratory EMF safety may be referenced. WPT testing methods may consider, but are not limited to, large in-situ installations, charging systems for electric vehicles, and household appliances.

BSR C63.31-201x, Standard for Compliance Testing of Industrial, Scientific and Medical (ISM) Equipment (new standard)

Stakeholders: Telecom, consumer, government, test laboratories, certification bodies, ISM manufacturers, trade associations.

Project Need: A new standard is needed to test compliance of ISM equipment with applicable radio regulatory requirements.

This standard is intended to include procedures for compliance testing of traditional ISM equipment (industrial heaters, dielectric heaters, food tempering equipment, microwave ovens, medical diathermy equipment, etc.) with applicable EMC and radio regulatory requirements. Related national and international standards (e.g., CISPR, IEEE) will be reviewed and used to the extent possible.

NACE (NACE International, the Corrosion Society)

Office: 15835 Park Ten Place
Houston, TX 77084

Contact: *Everett Bradshaw*

Fax: (281) 228-6387

E-mail: Everett.bradshaw@nace.org

BSR/NACE MR0175/ISO 15156-201x, Petroleum and natural gas industries - Materials for use in H₂S-containing environments in oil and gas production (identical national adoption of ISO 15156:2015)

Stakeholders: Oil and gas producers, operators, consultants.

Project Need: Standard has been revised, so this is for the identical adoption of the revised standard.

This standard is in three parts, and all three parts describe requirements for materials for use in H₂S-containing environments in oil and gas production. The first part describes the general principles for selection of cracking-resistant materials. The second part describes cracking-resistant carbon and low-alloy steels, and the use of cast irons. The third part describes cracking-resistant CRAs (corrosion-resistant alloys) and other alloys.

SAE (SAE International)

Office: 755 W. Big Beaver Rd., Suite 1600
Troy, MI 48084

Contact: *Jennifer Collins*

Fax: (248) 273-2494

E-mail: jennifer.collins@sae.org

- * BSR/SAE J3097-201x, Standard for Safety Glazing Materials for Glazing Motor Vehicles and Motor Vehicle Equipment Operating on Land Highways - Safety Standard (new standard)

Stakeholders: Motor Vehicle Glazing Manufacturing industry, Motor Vehicle Manufacturing industry, motor vehicle consumers and drivers.

Project Need: Changing International and United States automotive safety glazing standards have created a fragmented array of requirements for safety glazing manufacturers. Current standards contain obsolete information. This project will create a standard, including glass and plastic glazing materials, with usage and installation provisions, well formatted and organized, improving the language of current standards with details and clarification of tests to provide a document defensible by glazing experts.

This standard prescribes test methods with minimum performance specifications, and provides vehicle location specifications for safety glazing materials for glazing motor vehicles and motor vehicle equipment operating on land highways.

SBCA (Structural Building Components Association)

Office: 6300 Enterprise
Madison, WI 53719

Contact: *Kirk Grundahl*

Fax: (608) 274-3329

E-mail: kgrundahl@qualtim.com

- * BSR/SBCA FS-200-201x, Standard Requirements for the Testing, Design and Application of Foam Plastic Insulation Used as Sheathing for Building Enclosure Applications (new standard)

Stakeholders: Foam sheathing manufacturers, chemical suppliers, building component manufacturers, energy code users, builders, framers, DOE.

Project Need: This standard is for the testing/quality control, performance characteristics, and design and application of foam plastic insulation used as building enclosure sheathing, and is needed because none currently exists.

Provides a specification for the testing/quality control, performance characteristics, design and application of foam plastic insulation used as sheathing onto the structural framework of a building. The main focus of this standard will be on the application of foam sheathing on typical wall assemblies with regard to performance as a water-resistive barrier. Other applications such as air-barrier, thermal barrier, and noise barrier may also be addressed as these products often have multiple functional attributes. Structural concerns may also be addressed, such as cladding connections in the context of water-resistive barriers/wind-pressure resistance, etc.

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Peachtree Corners, GA 30092

Contact: *Charles Bohanan*

Fax: (770) 446-6947

E-mail: standards@tappi.org

BSR/TAPPI T 419 om-201x, Starch in paper (new standard)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products, consumers or converters of such products, and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI standard in order to revise it if needed to address new technology or correct errors.

This method describes the qualitative and the quantitative determination of unmodified starches and starches modified only by conventional oxidation techniques or enzyme conversion, which are used for beater addition or surface sizing.

BSR/TAPPI T 830 om-201x, Ink rub test of container board and corrugated board (new standard)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products, consumers or converters of such products, and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI standard in order to revise it if needed to address new technology or correct errors.

Ink rub testers are designed to evaluate the scuffing or rubbing resistance of an ink film or fiber surface on container board and corrugated board. A variety of tests may be made, including: dry rub; wet rub; wet bleed or transfer; wet smear; and functional rub.

TIA (Telecommunications Industry Association)

Office: 1320 North Courthouse Road
Suite 200
Arlington, VA 22201

Contact: *Marianna Kramarikova*

E-mail: standards@tiaonline.org

BSR/TIA 102.BAEA-C-201x, Data Overview and Specification (revision and redesignation of ANSI/TIA 102.BAEA-B-2012)

Stakeholders: APCO Project 25, Private Land Mobile Radio manufacturers and users.

Project Need: Provide updates for an existing standard.

The objective of this document is to provide an overview of TIA-102 Data Services. The information necessary to enable interoperable interfaces, services, and functionality for TIA-102 Data Services is provided in this document or referenced in other documents as appropriate.

BSR/TIA 102.BAEE-C-201x, Radio Management Protocols (revision and redesignation of ANSI/TIA 102.BAEE-B-2010)

Stakeholders: APCO Project 25, Private Land Mobile Radio manufacturers and users.

Project Need: Provide updates for an existing standard.

The objective of this document is to provide a specification of the Radio Management Protocols for the A Interface. The information necessary to enable interoperable radio management services and functionality over this interface is provided in this document or referenced in other documents as appropriate. The radio management protocols support the following three functions: (a) signaling used by the MDP to configure the SU, (b) signaling to request information from the SU, and (c) signaling related to alarm reporting or other unsolicited event reports generated by the SU.

American National Standards Maintained Under Continuous Maintenance

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

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

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

- AAMI (Association for the Advancement of Medical Instrumentation)
- AAMVA (American Association of Motor Vehicle Administrators)
- AGA (American Gas Association)
- AGSC (Auto Glass Safety Council)
- ASC X9 (Accredited Standards Committee X9, Incorporated)
- ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
- ASME (American Society of Mechanical Engineers)
- ASTM (ASTM International)
- GBI (The Green Building Initiative)
- GEIA (Greenguard Environmental Institute)
- HL7 (Health Level Seven)
- IESNA (The Illuminating Engineering Society of North America)
- MHI (ASC MH10) (Material Handling Industry)
- NAHBRC (NAHB Research Center, Inc.)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- PRCA (Professional Ropes Course Association)
- RESNET (Residential Energy Services Network)
- TIA (Telecommunications Industry Association)
- UL (Underwriters Laboratories, Inc.)

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit *ANSI Online* at www.ansi.org/asd, select "Standards Activities," click on "Public Review and Comment" and "American National Standards Maintained Under Continuous Maintenance." This information is also available directly at www.ansi.org/publicreview.

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

ANSI-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.

AAMI Association for the Advancement of Medical Instrumentation 4301 N Fairfax Drive Suite 301 Arlington, VA 22203-1633 Phone: (703) 253-8261 Fax: (703) 276-0793 Web: www.aami.org	ASME American Society of Mechanical Engineers Two Park Avenue New York, NY 10016 Phone: (212) 591-8521 Fax: (212) 591-8501 Web: www.asme.org	IEEE Institute of Electrical and Electronics Engineers (IEEE) 445 Hoes Lane Piscataway, NJ 08854 Phone: (732) 562-3854 Fax: (732) 796-6966 Web: www.ieee.org	PLASA PLASA North America 630 Ninth Avenue Suite 609 New York, NY 10036-3748 Phone: (212) 244-1505 Fax: (212) 244-1502 Web: www.plasa.org
ADA (Organization) American Dental Association 211 East Chicago Avenue Chicago, IL 60611-2678 Phone: (312) 440-2509 Fax: (312) 440-2529 Web: www.ada.org	ASPE American Society of Plumbing Engineers 6400 Shafer Court Suite 350 Rosemont, IL 60018 Phone: (847) 296-0002 Fax: (847) 296-2963 Web: www.aspe.org	IEEE (ASC C63) Institute of Electrical and Electronics Engineers 445 Hoes Lane, PO Box 1331 Piscataway, NJ 08855-1331 Phone: (732) 275-7362 Fax: (732) 562-1571 Web: www.ieee.org	SAE SAE International 755 W. Big Beaver Rd., Suite 1600 Troy, MI 48064 Phone: (248) 273-2457 Fax: (248) 273-2494 Web: www.sae.org
AHRI Air-Conditioning, Heating, and Refrigeration Institute 2111 Wilson Boulevard Suite 500 Arlington, VA 22201 Phone: (703) 600-0327 Fax: (703) 562-1942 Web: www.ahrinet.org	ASSE (Safety) American Society of Safety Engineers 520 N. Northwest Highway Park Ridge, IL 60068 Phone: (847) 768-3411 Fax: (847) 296-9221 Web: www.asse.org	ITI (INCITS) InterNational Committee for Information Technology Standards 1101 K Street NW Suite 610 Washington, DC 20005-3922 Phone: (202) 626-5741 Fax: 202-638-4922 Web: www.incits.org	SBCA Structural Building Components Association 6300 Enterprise Madison, WI 53719 Phone: (608) 310-6715 Fax: (608) 274-3329 Web: www.sbcindustry.com
AISI American Iron and Steel Institute 25 Massachusetts Avenue, NW Suite 800 Washington, DC 20001 Phone: (202) 452-7100 Fax: (202) 452-1039 Web: www.steel.org	ASTM ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9744 Fax: (610) 834-3683 Web: www.astm.org	NACE NACE International, the Corrosion Society 15835 Park Ten Place Houston, TX 77084 Phone: (281) 228-6203 Fax: (281) 228-6387 Web: www.nace.org	TAPPI Technical Association of the Pulp and Paper Industry 15 Technology Parkway South Peachtree Corners, GA 30092 Phone: (770) 209-7276 Fax: (770) 446-6947 Web: www.tappi.org
API American Petroleum Institute 1220 L Street, NW Washington, DC 20005-4070 Phone: (202) 682-8157 Web: www.api.org	ATCC American Type Culture Collection 10801 University Boulevard Manassas, VA 20110 Phone: (703) 365-2802 Fax: (703) 334-2944 Web: www.atcc.org	NCPDP National Council for Prescription Drug Programs 9240 East Raintree Drive Scottsdale, AZ 85260 Phone: (512) 291-1356 Fax: (480) 767-1042 Web: www.ncpdp.org	TIA Telecommunications Industry Association 1320 North Courthouse Road Suite 200 Arlington, VA 22201 Phone: (703) 907-7743 Web: www.tiaonline.org
ASA (ASC S12) Acoustical Society of America 1305 Walt Whitman Rd Suite 300 Melville, NY 11747 Phone: (631) 390-0215 Fax: (631) 923-2875 Web: www.acousticalsociety.org	AWS American Welding Society 8669 NW 36th Street Suite #130 Miami, FL 33166-6672 Phone: (800) 443-9353 Fax: (305) 443-5951 Web: www.aws.org	NEMA (ASC C12) National Electrical Manufacturers Association 1300 North 17th Street Suite 900 Rosslyn, VA 22209 Phone: (703) 841-3227 Fax: (703) 841-3327 Web: www.nema.org	UL Underwriters Laboratories, Inc. 12 Laboratory Dr. Research Triangle Park, NC 27709 Phone: (919) 549-1479 Fax: (919) 549-1479 Web: www.ul.com
ASABE American Society of Agricultural and Biological Engineers 2950 Niles Road St Joseph, MI 49085 Phone: (269) 932-7015 Fax: (269) 429-3852 Web: www.asabe.org	CSA CSA Group 8501 East Pleasant Valley Rd. Cleveland, OH 44131 Phone: (216) 524-4990 x88321 Fax: (216) 520-8979 Web: www.csa-america.org	NSF NSF International 789 N. Dixboro Road Ann Arbor, MI 48105-9723 Phone: (734) 769-5197 Web: www.nsf.org	
	FCI Fluid Controls Institute 1300 Sumner Avenue Cleveland, OH 44115 Phone: (216) 241-7333 Fax: (216) 241-0105 Web: www.fluidcontrolsinstitute.org		

Announcement of Proposed Procedural Revisions
to the
***ANSI PROCEDURES FOR U.S. PARTICIPATION IN THE
INTERNATIONAL STANDARDS ACTIVITIES OF ISO***
“ANSI International Procedures”

Comment Deadline: July 20, 2015

The proposed revisions to the *ANSI International Procedures* are intended to clarify and update the 2015 edition to promote consistency with current ANSI and ISO protocols, practices and procedures. Please note that editorial updates, such as consistent use of acronyms or terms, are not displayed in the document.

To view the proposed revisions, please use this link:
ExSC_047_2015.

Comments with regard to these proposed revisions should be submitted to the Recording Secretary of the ANSI Executive Standards Council (ExSC) at psa@ansi.org no later than July 20, 2015.

The ANSI Executive Standards Council (ExSC) will consider all public comments received by the comment deadline and commenters will be provided with a written response.

Thank you for your interest.

Questions should be directed to psa@ansi.org



ISO & IEC Draft International Standards

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

Comments

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); those regarding IEC documents should be sent to Charles T. Zegers, General Secretary of the USNC (czegers@ansi.org). The final date for offering comments is listed after each draft.

Ordering Instructions

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

ISO Standards

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 27852, Space systems - Estimation of orbit lifetime - 8/28/2015, FREE

QUALITY MANAGEMENT AND CORRESPONDING GENERAL ASPECTS FOR MEDICAL DEVICES (TC 210)

ISO/DIS 15225, Medical devices - Quality management - Medical device nomenclature data structure - 8/24/2015, \$62.00

ISO/DIS 80369-1, Small-bore connectors for liquids and gases in healthcare applications - Part 1: General requirements - 8/24/2015, \$82.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 37, Rubber, vulcanized or thermoplastic - Determination of tensile stress-strain properties - 8/23/2015, \$98.00

ISO/DIS 11759, Rubber hoses and hose assemblies for dispensing liquefied petroleum gases (LPGs) - Specification - 6/21/2015, FREE

STEEL (TC 17)

ISO/DIS 3575, Continuous hot-dip zinc-coated and zinc-iron alloy-coated carbon steel sheet of commercial and drawing qualities - 7/22/2015, \$67.00

ISO/DIS 13976, Hot-rolled steel sheet in coils of structural quality and heavy thickness - 7/22/2015, \$53.00

IEC Standards

13/1639/FDIS, IEC 62052-31: Electricity Metering Equipment (AC) - General Requirements, Tests and Test Conditions - Part 31: Product safety requirements and tests, 07/24/2015

17A/1094/CD, IEC 62271-111 Ed.3: High-voltage switchgear and controlgear - Part 111: Automatic circuit reclosers and fault interrupters for alternating current systems up to 38 kV, 08/28/2015

18/1460/FDIS, IEC 60533: Electrical and electronic installations in ships - Electromagnetic compatibility (EMC) - Ships with a metallic hull, 07/24/2015

21A/583/NP, IEC 63005-2: Coin type secondary lithium cells and batteries, 08/28/2015

22H/191/CDV, IEC 62040-5-3 Ed.1: Uninterruptible power systems (UPS) - Part 5-3: d.c. output UPS - Performance and test requirements, 08/28/2015

31/1197/CD, IEC 60079-0/Ed7: Explosive atmospheres - Part 0: Equipment - General requirements, 08/28/2015

31J/251/DC, Proposed draft revision of IEC 60079-19: Explosive atmospheres - Part 19: Equipment repair, overhaul and reclamation, 07/03/2015

44/728/CDV, IEC 62745: Safety of machinery - General requirements for cableless control systems of machinery, 08/28/2015

57/1578/DTR, IEC 61850-90-2 TR Ed.1: Communication networks and systems for power utility automation - Part 90-2: Using IEC 61850 for the communication between substations and control centres, 07/24/2015

57/1579/DTR, IEC 61968-900 TR Ed.1: Application integration at electric utilities - System interfaces for distribution management - Part 900: Guidance to implementations of IEC 61968-9, 07/24/2015

61/4949/NP, IEC 60335-2-XXX Ed 1.0: Household and similar appliances - Safety - Part 2- XXX: Particular requirements for electrical furniture, 08/28/2015

61/4950/CD, IEC 60335-2-112/Ed1: Household and similar electrical appliances-Safety-Part 2-112: Particular requirements for integrated kitchen appliances, 08/28/2015

62D/1253A/CD, IEC 60601-2-49: Medical Electrical Equipment - Part 2 -49: Particular requirements for the basic safety and essential performance of multifunction patient monitoring equipment, 08/14/2015

64/2008/CDV, IEC 60364-6: Low voltage electrical installation - Part 6: Verification, 08/28/2015

64/2017/CD, IEC 60364-5-56: Low-voltage electrical installations - Part 5-56: Selection and erection of electrical equipment - Safety services, 08/28/2015

65/592/CDV, IEC 61010-2-202 Ed.1: Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2 -202: Particular requirements for electrically operated valve actuators, 08/28/2015

72/999/DC, TC72/WG6 Proposal for revision of IEC 60730-2-15, Automatic electrical controls for household and similar use - Part 2 -15: Particular requirements for automatic electrical air flow, water flow and water level sensing controls, 08/14/2015

80/764/FDIS, IEC 61162-460 Ed.1: Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 460: Multiple talker and multiple listeners - Ethernet interconnection - Safety and security, 07/24/2015

82/980/DC, Proposed revision of IEC 62817 Ed.1, Photovoltaic systems - Design qualification of solar trackers, 07/03/2015

88/550/NP, IEC 61400-xx: Wind turbines - Part xx: General requirements for wind turbine plants, 08/28/2015

- 119/68/NP, Printed Electronics - Equipment - Inkjet-head - Measurement method of drop volume, 08/28/2015
- 3/1225/CD, IEC 62569-1: Generic Specification of Information on Products by Properties - Part 1: Principles and methods, 08/21/2015
- 9/2039/FDIS, IEC 62912 Ed.1: Railway applications - Direct current signalling monostable relays of type N and type C, 07/17/2015
- 21/859/NP, Secondary batteries: Marking symbols for identification of their chemistry, 08/21/2015
- 21A/576/CDV, IEC 63005-1: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary lithium cells and batteries for portable applications, 09/04/2015
- 23A/769/ISH, Interpretation of IEC 62549 Ed.1: Articulated systems and flexible systems for cable guiding, 07/17/2015
- 23B/1191/CD, IEC 60884-2-5 Ed.2: Plugs and socket-outlets for household and similar purposes - Part 2: Particular requirements for adaptors, 08/21/2015
- 34C/1158/NP, PNW 34C-1158: IEC 62386-221: Digital addressable lighting interface - Part 221: Particular requirements for control gear - Load Shedding (device type 20), 08/21/2015
- 34D/1172/FDIS, IEC 60598-2-5 Ed.3: Luminaires - Part 2-5: Particular requirements - Floodlights, 07/17/2015
- 40/2371/CDV, IEC 60384-18 Ed.3: Fixed capacitors for use in electronic equipment - Part 18: Sectional specification - Fixed aluminium electrolytic surface mount capacitors with solid (MnO₂) and non-solid electrolyte, 08/21/2015
- 45A/1010/CDV, Amendment 1 to IEC/IEEE 62582-2 Ed.1: Nuclear power plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 2: Indenter modulus, 08/21/2015
- 47/2240/NP, Future IEC 62830-4 Ed.1: Semiconductor devices - Semiconductor devices for energy harvesting and generation - Part 4: Test and evaluation methods for flexible piezoelectric energy harvesting devices, 08/21/2015
- 49/1150/CD, IEC 62884-1 Ed.1: Measurement techniques of piezoelectric, dielectric and electrostatic oscillators - Part 1: Basic methods for the measurement, 08/21/2015
- 55/1531/CD, IEC 60317-0-10/Ed1: Specifications for particular types of winding wires - Part 0-10: General requirements - Polyester Glass fibre wound, resin or varnish impregnated, bare or enamelled round copper wire, 08/21/2015
- 55/1532/CD, IEC 60317-67/Ed1: Specifications for particular types of winding wires - Part 67: Polyvinyl acetal enamelled rectangular aluminium wire, class 105, 08/21/2015
- 55/1533/CD, IEC 60317-68/Ed1: Specifications for particular types of winding wires - Part 68: Polyvinyl acetal enamelled rectangular aluminium wire, class 120, 08/21/2015
- 55/1534/CD, IEC 60317-69/Ed1: Specifications for particular types of winding wires - Part 69: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular aluminium wire, class 220, 08/21/2015
- 55/1535/CD, IEC 60317-70/Ed1: Specifications for particular types of winding wires - Part 70: Polyester glass-fibre wound unvarnished and fused or resin/varnish impregnated, bare or enamelled round copper wire, temperature index 155, 08/21/2015
- 55/1536/CD, IEC 60317-71/Ed1: Specifications for particular types of winding wires - Part 71: Polyester glass-fibre wound unvarnished and fused or resin/varnish impregnated, bare or enamelled round copper wire, temperature index 180, 08/21/2015
- 55/1537/CD, IEC 60317-72/Ed1: Specifications for particular types of winding wires - Part 72: Polyester glass-fibre wound unvarnished and fused or resin/varnish impregnated, bare or enamelled round copper wire, temperature index 200, 08/21/2015
- 62C/616/FDIS, IEC 61675-2: Radionuclide imaging devices - Characteristics and conditions - Part 2: Gamma cameras for planar, wholebody, and SPECT imaging, 07/17/2015
- 69/371/CD, ISO 15118-8 Ed 1: Vehicle to grid communication interface - Part 8: Physical layer and data link layer requirements for wireless communication, 07/17/2015
- 69/372/CD, IEC 61851, Electric Vehicles Conductive Power Supply System - Part 3-2: Requirements for Light Electric Vehicles (LEV) DC off-board conductive power supply systems., 07/17/2015
- 69/373/CD, IEC 61851, Electric Vehicles Conductive Power Supply System - Part 3-4, Requirements for Light Electric Vehicles (LEV) communication - General definitions and EMSC, 07/17/2015
- 69/374/CD, IEC 61851, Electric Vehicles Conductive Power Supply System - Part 3-5, Requirements for Light Electric Vehicles (LEV) communication - Pre-defined communication parameters, 07/17/2015
- 69/375/CD, IEC 61851, Electric Vehicles Conductive Power Supply System - Part 3-6, Requirements for Light Electric Vehicles (LEV) communication - Voltage converter unit, 07/17/2015
- 69/376/CD, IEC 61851, Electric Vehicles Conductive Power Supply System - Part 3-7, Requirements for Light Electric Vehicles (LEV) communication - Battery system, 07/17/2015
- 100/2505/NP, IEC 60728-106: Cable networks for television signals, sound signals and interactive services - Part 106: Optical equipment for systems with all-digital channels load, 08/21/2015
- 113/260/NP, IEC 62607-2-2: Nanomanufacturing - Key Control Characteristics - Part 2-2: Carbon Nanotube Materials - Electromagnetic Interference, 08/21/2015



Newly Published ISO & IEC Standards

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

ISO Standards

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 29194:2015](#), Information Technology - Biometrics - Guide on designing accessible and inclusive biometric systems, \$123.00

ACOUSTICS (TC 43)

[ISO 9295:2015](#), Acoustics - Determination of high-frequency sound power levels emitted by machinery and equipment, \$123.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 16649-3:2015](#), Microbiology of the food chain - Horizontal method for the enumeration of beta-glucuronidase-positive *Escherichia coli* - Part 3: Detection and most probable number technique using 5-bromo-4-chloro-3-indolyl-β-D-glucuronide, \$88.00

CONCRETE, REINFORCED CONCRETE AND PRE-STRESSED CONCRETE (TC 71)

[ISO 1920-12:2015](#), Testing of concrete - Part 12: Determination of the carbonation resistance of concrete - Accelerated carbonation method, \$88.00

CORROSION OF METALS AND ALLOYS (TC 156)

[ISO 16701:2015](#), Corrosion of metals and alloys - Corrosion in artificial atmosphere - Accelerated corrosion test involving exposure under controlled conditions of humidity cycling and intermittent spraying of a salt solution, \$123.00

CRANES (TC 96)

[ISO 9942-1:2015](#), Cranes - Information labels - Part 1: General, \$51.00

FLOOR COVERINGS (TC 219)

[ISO 16906:2015](#), Resilient floor coverings - Determination of seam strength, \$51.00

GEOTECHNICS (TC 182)

[ISO 18674-1:2015](#), Geotechnical investigation and testing - Geotechnical monitoring by field instrumentation - Part 1: General rules, \$173.00

INFORMATION AND DOCUMENTATION (TC 46)

[ISO 10160:2015](#), Information and documentation - Open Systems Interconnection - Interlibrary Loan Application Service Definition, \$240.00

MATERIALS FOR THE PRODUCTION OF PRIMARY ALUMINIUM (TC 226)

[ISO 15379-1:2015](#), Carbonaceous materials for the production of aluminium - Cathode block materials - Part 1: Determination of the expansion due to sodium penetration with application of pressure, \$51.00

[ISO 15379-2:2015](#), Carbonaceous materials for the production of aluminium - Cathode block materials - Part 2: Determination of the expansion due to sodium penetration without application of pressure, \$51.00

PAINTS AND VARNISHES (TC 35)

[ISO 3233-3:2015](#), Paints and varnishes - Determination of the percentage volume of non-volatile matter - Part 3: Determination by calculation from the non-volatile-matter content determined in accordance with ISO 3251, the density of the coating material and the density of the solvent in the coating material, \$123.00

SECURITY (TC 292)

[ISO 22322:2015](#), Societal security - Emergency management - Guidelines for public warning, \$88.00

SOLID BIOFUELS (TC 238)

[ISO 16968:2015](#), Solid biofuels - Determination of minor elements, \$88.00

TEXTILES (TC 38)

[ISO 18067:2015](#), Textiles - Synthetic filament yarns - Determination of shrinkage in dry-hot air (after treatment), \$88.00

TOURISM AND RELATED SERVICES (TC 228)

[ISO 13810:2015](#), Tourism services - Industrial tourism - Service provision, \$123.00

ISO Technical Reports

HEALTH INFORMATICS (TC 215)

[ISO/TR 12310:2015](#), Health informatics - Principles and guidelines for the measurement of conformance in the implementation of terminological systems, \$173.00

SAFETY OF MACHINERY (TC 199)

[ISO/TR 22100-1:2015](#), Safety of machinery - Relationship with ISO 12100 - Part 1: How ISO 12100 relates to type-B and type-C standards, \$123.00

ISO Technical Specifications**NANOTECHNOLOGIES (TC 229)**

[IEC/TS 62607-2-1:2015](#), Nanomanufacturing - Key control characteristics for CNT film applications - Resistivity, \$88.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO/TS 18750:2015](#), Intelligent transport systems - Cooperative systems - Definition of a global concept for Local Dynamic Maps, \$240.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 17549-2:2015](#), Information technology - User interface guidelines on menu navigation - Part 2: Navigation with 4-direction devices, \$123.00

[ISO/IEC 29167-10:2015](#), Information technology - Automatic identification and data capture techniques - Part 10: Crypto suite AES-128 security services for air interface communications, \$149.00

[ISO/IEC 29167-12:2015](#), Information technology - Automatic identification and data capture techniques - Part 12: Crypto suite ECC-DH security services for air interface communications, \$200.00

[ISO/IEC 29167-13:2015](#), Information technology - Automatic identification and data capture techniques - Part 13: Crypto suite Grain-128A security services for air interface communications, \$200.00

[ISO/IEC/IEEE 15288:2015](#), Systems and software engineering - System life cycle processes, \$265.00

[ISO/IEC/IEEE 15289:2015](#), Systems and software engineering - Content of life-cycle information items (documentation), \$265.00

[ISO/IEC/IEEE 23026:2015](#), Systems and software engineering - Engineering and management of websites for systems, software, and services information, \$200.00

[ISO/IEC/IEEE 26531:2015](#), Systems and software engineering - Content management for product life-cycle, user and service management documentation, \$200.00

[ISO/IEC TS 30104:2015](#), Information Technology - Security Techniques - Physical Security Attacks, Mitigation Techniques and Security Requirements, \$173.00

IEC Standards**DOCUMENTATION AND GRAPHICAL SYMBOLS (TC 3)**

[IEC 61175-1 Ed. 1.0 b:2015](#), Industrial systems, installations and equipment and industrial products - Designation of signals - Part 1: Basic rules, \$303.00

ELECTRICAL APPARATUS FOR EXPLOSIVE ATMOSPHERES (TC 31)

[IEC 60079-18 Ed. 4.0 en:2014](#), Explosive atmospheres - Part 18: Equipment protection by encapsulation "m", \$290.00

ELECTROSTATICS (TC 101)

[IEC 61340-4-6 Ed. 2.0 b:2015](#), Electrostatics - Part 4-6: Standard test methods for specific applications - Wrist straps, \$121.00

EQUIPMENT FOR ELECTRICAL ENERGY MEASUREMENT AND LOAD CONTROL (TC 13)

[IEC 62056-4-7 Ed. 1.0 b:2015](#), Electricity metering data exchange - The DLMS/COSEM suite - Part 4-7: DLMS/COSEM transport layer for IP networks, \$254.00

INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL (TC 65)

[IEC 62439-7 Ed. 1.0 b cor.1:2015](#), Corrigendum 1 - Industrial communication networks - High availability automation networks - Part 7: Ring-based Redundancy Protocol (RRP), \$0.00

[IEC 62769-3 Ed. 1.0 b:2015](#), Field Device Integration (FDI) - Part 3: FDI Server, \$339.00

[IEC 62769-5 Ed. 1.0 b:2015](#), Field Device Integration (FDI) - Part 5: FDI Information Model, \$303.00

[IEC 62769-101-1 Ed. 1.0 b:2015](#), Field device Integration (FDI) - Part 101-1: Profiles - Foundation Fieldbus H1, \$230.00

[IEC 62769-101-2 Ed. 1.0 b:2015](#), Field Device Integration (FDI) - Part 101-2: Profiles - Foundation Fieldbus HSE, \$206.00

[IEC 62769-109-1 Ed. 1.0 b:2015](#), Field Devices Integration (FDI) - Part 109-1: Profiles - HART® and WirelessHART®, \$278.00

NUCLEAR INSTRUMENTATION (TC 45)

[IEC 62808 Ed. 1.0 b:2015](#), Nuclear power plants - Instrumentation and control systems important to safety - Design and qualification of isolation devices, \$97.00

SAFETY OF HAND-HELD MOTOR-OPERATED ELECTRIC TOOLS (TC 116)

[IEC 62841-3-6 Ed. 1.0 b cor.1:2015](#), Corrigendum 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-6: Particular requirements for transportable diamond drills with liquid system, \$0.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

[IEC 60335-2-27 Amd.2 Ed. 5.0 en cor.1:2015](#), Corrigendum 1 - Amendment 2 - Household and similar electrical appliances - Safety - Part 2-27: Particular requirements for appliances for skin exposure to optical radiation, \$0.00

SUPERCONDUCTIVITY (TC 90)

[IEC 61788-21 Ed. 1.0 b:2015](#), Superconductivity - Part 21: Superconducting wires - Test methods for practical superconducting wires - General characteristics and guidance, \$61.00

SURFACE MOUNTING TECHNOLOGY (TC 91)

[IEC 61760-4 Ed. 1.0 b:2015](#), Surface mounting technology - Part 4: Classification, packaging, labelling and handling of moisture sensitive devices, \$230.00

[IEC 62878-1-1 Ed. 1.0 b:2015](#), Device embedded substrate - Part 1-1:
Generic specification - Test methods, \$303.00

WINDING WIRES (TC 55)

[IEC 60851-2 Ed. 3.1 b:2015](#), Winding wires - Test methods - Part 2:
Determination of dimensions, \$91.00

[IEC 60851-2 Amd.1 Ed. 3.0 b:2015](#), Amendment 1 - Winding wires -
Test methods - Part 2: Determination of dimensions, \$22.00

IEC Technical Reports

DOCUMENTATION AND GRAPHICAL SYMBOLS (TC 3)

[IEC/TR 62964 Ed. 1.0 en:2015](#), Graphical symbols for use on
equipment - Graphical symbols for multimedia equipment - Current
practice, \$73.00

INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL (TC 65)

[IEC/TR 61832 Ed. 2.0 en:2015](#), Design and installation of on-line
analyser systems - Guide to technical enquiry and bid evaluation,
\$182.00

IEC Technical Specifications

POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)

[IEC/TS 62325-504 Ed. 1.0 en:2015](#), Framework for energy market
communications - Part 504: Utilization of web services for electronic
data interchanges on the European energy market for electricity,
\$278.00

SAFETY OF MACHINERY - ELECTROTECHNICAL ASPECTS (TC 44)

[IEC/TS 61496-4-3 Ed. 1.0 en:2015](#), Safety of machinery - Electro-
sensitive protective equipment - Part 4-3: Particular requirements for
equipment using vision based protective devices (VBPD) -
Additional requirements when using stereo vision techniques
(VBPDEST), \$339.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

Information Concerning

American National Standards

INCITS Executive Board

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

The InterNational Committee for Information Technology Standards (INCITS), an ANSI accredited SDO, is the forum 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 has eleven membership categories that can be viewed at <http://www.incits.org/participation/membership-info>. Membership in all categories is always welcome. INCITS also seeks to broaden its membership base and looks to recruit new participants in the following under-represented membership categories:

- **Producer – Hardware**

This category primarily produces hardware products for the ITC marketplace.

- **Producer – Software**

This category primarily produces software products for the ITC marketplace.

- **Distributor**

This category is for distributors, resellers or retailers of conformant products in the ITC industry.

- **User**

This category includes entities that primarily reply on standards in the use of a products/service, as opposed to producing or distributing conformant products/services.

- **Consultants**

This category is for organizations whose principal activity is in providing consulting services to other organizations.

- **Standards Development Organizations and Consortia**

- o "Minor" an SDO or Consortia that (a) holds no TAG assignments; or (b) holds no SC TAG assignments, but does hold one or more Work Group (WG) or other subsidiary TAG assignments.

- **Academic Institution**

This category is for organizations that include educational institutions, higher education schools or research programs.

- **Other**

This category includes all organizations who do not meet the criteria defined in one of the other interest categories.

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

Calls for Members

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at www.scte.org or by e-mail from standards@scte.org.

ANSI Accredited Standards Developers

Approvals of Accreditation as an ANSI ASD

APPA – Leadership in Educational Facilities

ANSI's Executive Standards Council has approved APPA – Leadership in Educational Facilities, a new ANSI Organizational Member in 2014, as an ANSI Accredited Standards Developer (ASD) under its proposed operating procedures for documenting consensus on APPA-sponsored American National Standards, effective May 20, 2015. For additional information, please contact: Mr. John Bernhards, Associate Vice-President, APPA – Leadership in Educational Facilities, 1643 Prince Street, Alexandria, VA 22153; phone: 703.542.3848; e-mail: jbernhards@appa.org.

Portable Lights American Trade Organization (PLATO)

ANSI's Executive Standards Council has approved the Portable Lights American Trade Organization (PLATO), a new ANSI Organizational Member in 2015, as an ANSI Accredited Standards Developer (ASD) under its proposed operating procedures for documenting consensus on PLATO-sponsored American National Standards, effective May 27, 2015. For additional information, please contact: Mr. Daniel Durbin, Portable Lights American Trade Organization, P.O. Box 107, Mablehead, MA 01945; phone: 440.835.7661; e-mail: DanielR.Durbin@energizer.com.

Approval of Reaccreditation

Associated Air Balance Council (AABC)

ANSI's Executive Standards Council has approved the reaccreditation of the Associated Air Balance Council (AABC), an ANSI Organizational Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on AABC-sponsored American National Standards, effective May 27, 2015. For additional information, please contact: Mr. Ray Bert, Director of Communications, Associated Air Balance Council, 1518 K Street, NW, Suite 503, Washington, DC 20005; phone: 202.737.0202; e-mail: ray@aabc.com.

International Organization for Standardization (ISO)

New Field of ISO Technical Activity

Rare Earth

Comment Deadline: July 10, 2015

SAC (China) has submitted to ISO a proposal for a new field of ISO technical activity on the subject of Rare Earth, with the following scope statement:

Standardization in the field of rare earth ores, concentrates, metals, alloys, compounds, materials, including the reuse and recycling of waste rare earth products.

Anyone wishing to review this new proposal can request a copy by contacting ANSI's ISO Team via e-mail: isot@ansi.org with submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, July 10, 2015.

Meeting Notices

AHRI Meetings

Revision of AHRI Standard 410 – Forced-Circulation Air-Cooling and Air-Heating Coils

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting every Wednesday from 12 p.m. to 1 p.m. between April 29 and August 26. If you are interested in participating in the meeting or providing comments on the standard, please contact AHRI staff member Mary Opalka at mopalka@ahrinet.org.

Revision of AHRI Standards 430 (I-P) and 431 (SI) – Performance Rating of Central Station Air-handling Unit Supply Fans

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting on a bi-weekly basis on Thursdays from 2 p.m. to 4 p.m. – April 30, May 14, May 28, June 11, June 25, July 9, July 23, August 6, and August 20. If you are interested in participating in the meeting or providing comments on the standards, please contact AHRI staff member Mary Opalka at mopalka@ahrinet.org.

Revision of AHRI Standard 1160, Performance Rating of Heat Pump Pool Heaters

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting on June 8 from 2 p.m. to 3 p.m. If you are interested in participating in the meeting or providing comments on the standard, please contact AHRI staff member Mary Opalka at mopalka@ahrinet.org.

Information Concerning

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO TC 39/SC 2 – Test conditions for metal cutting machine tools

Currently, the U.S. holds a leadership position as secretariat of ISO/TC 39/SC 2 (Test conditions for metal cutting machine tools). ANSI has delegated the responsibility for the administration of the secretariat for ISO/TC 39/SC 2 to NIST. NIST has advised ANSI of its intent to relinquish its role as delegated secretariat for this committee.

ISO/TC 39/SC 2 operates under the following scope:

Standardization of all machine tools for the working of metal, wood and plastics, operating by removal of material or by pressure.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated secretariat for ISO/TC 39/SC 2. Alternatively, ANSI may be assigned the responsibility for administering an ISO secretariat. Any request that ANSI accepts to direct administration of an ISO secretariat shall demonstrate that:

- 1) The affected interests have made a financial commitment for not less than three years covering all defined costs incurred by ANSI associated with holding the secretariat;
- 2) The affected technical sector, organizations or companies desiring that the U.S. hold the secretariat request that ANSI perform this function;
- 3) The relevant US TAG has been consulted with regard to ANSI's potential role as secretariat; and
- 4) ANSI is able to fulfill the requirements of a secretariat.

If no U.S. organization steps forward to assume the ISO/TC 39/SC 2 secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the secretariat role.

Information concerning the United States retaining the role of international secretariat may be obtained by contacting ANSI at isot@ansi.org.

Information Concerning

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO TC 108/SC 5 – Condition monitoring and diagnostics of machine systems

Currently, the U.S. holds a leadership position as secretariat of ISO/TC 108/SC 5 (Condition monitoring and diagnostics of machine systems). ANSI has delegated the responsibility for the administration of the secretariat for ISO/TC 108/SC 5 to the Acoustical Society of America (ASA). ASA has advised ANSI of its intent to relinquish its role as delegated secretariat for this committee.

ISO/TC 108/SC 5 operates under the following scope:

Standardization of the procedures, processes and equipment requirements uniquely related to the technical activity of condition monitoring and diagnostics of machines systems in which selected physical parameters associated with an operating machine system are periodically or continuously sensed, measured and recorded for the interim purpose of reducing, analyzing, comparing and displaying the data and information so obtained and for the ultimate purpose of using this interim result to support decisions related to the operation and maintenance of the machine system.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated secretariat for ISO/TC 108/SC 5. Alternatively, ANSI may be assigned the responsibility for administering an ISO secretariat. Any request that ANSI accepts to direct administration of an ISO secretariat shall demonstrate that:

- 1) The affected interests have made a financial commitment for not less than three years covering all defined costs incurred by ANSI associated with holding the secretariat;
- 2) The affected technical sector, organizations or companies desiring that the U.S. hold the secretariat request that ANSI perform this function;
- 3) The relevant US TAG has been consulted with regard to ANSI's potential role as secretariat; and
- 4) ANSI is able to fulfill the requirements of a secretariat.

If no U.S. organization steps forward to assume the ISO/TC 108/SC 5 secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the secretariat role.

Information concerning the United States retaining the role of international secretariat may be obtained by contacting ANSI at isot@ansi.org

Information Concerning

ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies

DNV GL

Comment Deadline: June 29, 2015

DNV GL
Dave Knight
1400 Ravello Dr.
Katy, TX 77449
Phone: 281-396-1000
Email: dave.knight@dnvgl.com

On May 19, 2015, the ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies accepted a request from DNV GL to voluntarily withdraw its accreditation for the following:

Standards:

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

Scopes:

Verification of assertions related to GHG emissions and removals at the organizational level

- 01. General
- 02. Manufacturing
- 03. Power Generation
- 05. Mining and Mineral Production
- 07. Chemical Production
- 08. Oil and gas extraction, production and refining including petrochemicals
- 09. Waste

Verification of assertions related to GHG emission reductions & removals at the project level

- 01. GHG emission reductions from fuel combustion
- 02. GHG emission reductions from industrial processes (non-combustion, chemical reaction, fugitive and other)
- 03. Land Use and Forestry
- 05. Livestock
- 06. Waste Handling and Disposal

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

- 03. Land Use and Forestry
- 05. Livestock
- 06. Waste Handling and Disposal

Please send your comments by June 29, 2015 to Ann Bowles, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: abowles@ansi.org.



ARCSA/ASPE 78: Stormwater Harvesting System Design for Direct End-Use Applications

Second Public Review Draft

The following substantive changes to ARCSA/ASPE 78 were made based on the first round of public comment and ASPE Main Design Standards Committee review. Only those changes noted in redline are available for review at this time. The other text is provided for context purposes only.

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Introduction and Background

(Informative)

Passive or Indirect Harvesting

Indirect or passive applications generally include the harvesting of stormwater for use in a landscape. This strategy is called *low-impact development* (LID) or *green infrastructure* (GI). Unlike single-purpose gray stormwater infrastructure, which uses pipes to dispose of rainwater, green infrastructure uses vegetation and soil to manage rain where it falls, such as infiltration or soakaway pits, rain gardens, and other bioretention structures. By weaving natural processes into the built environment, green infrastructure provides not only stormwater management, but also flood mitigation, air quality management, and water supply.

Some definitions of green infrastructure include structural harvesting strategies, such as barrels and cisterns; however, this latter strategy generally falls under low-impact development (LID), which is an approach to land development (or redevelopment) that works with nature to manage stormwater as close to its source as possible. LID employs principles such as preserving and recreating natural landscape features, minimizing effective imperviousness, to create functional and appealing site drainage that treats stormwater as a resource rather than a waste product. Many practices have been used to adhere to these principles such as bioretention facilities (infiltration or soakaway pits), rain gardens, vegetated rooftops, rain barrels, and permeable pavements. It is similar to green infrastructure, although LID includes barrels and cisterns.

The Standard

(Normative)

1.1 Performance Objectives

The objectives of this Standard are to provide guidance on how to provide and maintain a safe alternative to utility-provided water and to optimize stormwater utilization while ensuring:

- d. Reduction of the use of or need for municipal or private potable water systems.

2.0 REFERENCED STANDARDS

2.1 American Society of Mechanical Engineers (ASME)

2.1.2 ASME A112.14.1-2003: Backwater Valves

2.3 ASSE International

2.3.1 ASSE 1013-2011: Performance Requirements for Reduced Pressure Principle Backflow Preventers and Reduced Pressure Principle Fire Protection Backflow Preventers

2.5 American Water Works Association (AWWA)

2.5.3 AWWA D103-09 Factory-Coated Bolted Carbon Steel Tanks for Water Storage

2.5.4 AWWA D120-09 Thermosetting Fiberglass-Reinforced Plastic Tanks

2.5.5 AWWA D121-12 Bolted Aboveground Thermosetting Fiberglass-Reinforced Plastic Panel-Type Tanks for Water Storage

2.7 International Association of Plumbing and Mechanical Officials (IAPMO)

2.7.1 IAPMO/ANSI Z1002-2014: Rainwater Harvesting Tanks

2.10 Steel Tank Institute

2.10.1 STI F894: ACT-100® Specification for External Corrosion Protection of FRP Composite Steel USTs

2.10.2 STI F921: Standard for Aboveground Tanks with Integral Secondary Containment

2.10.3 STI F922: Specification for Permatank

2.10.4 STI F961: ACT-100U: Specification for External Corrosion Protection of Composite Steel Underground Storage Tanks

2.11 Underwriters Laboratories (UL)

2.11.1 UL 778: Motor-Operated Water Pumps

3.0 DEFINITIONS

3.17 GREEN INFRASTRUCTURE: A passive stormwater management method that uses vegetation and soil such as infiltration or soaking pits, rain gardens, and other bioretention structures to manage rain. (For more information, see the Introduction and Background section.)~~approach that communities can choose to maintain healthy waters, provide multiple environmental benefits, and support sustainable communities. Unlike single-purpose gray stormwater infrastructure, which uses pipes to dispose of rainwater, green infrastructure uses vegetation and soil to manage rain where it falls, such as infiltration or soakaway pits, rain gardens, and other bioretention structures. By weaving natural processes into the built environment, green infrastructure provides not only stormwater management, but also flood mitigation, air quality management, and water supply. Some definitions include structural harvesting strategies, such as barrels and cisterns; however, this latter strategy generally falls under low-impact development (LID).~~

3.21 INFILTRATION PIT: An excavated, hollowed out surface (trench) or subsurface (pit) space of in situ material, a pit (subsurface) or trench (surface) filled with rock, or a prefabricated plastic, concrete, or metal vault system, used to reduce the amount of runoff from surfaces by storing the water and allowing it to soak into the ground. A pit or trench used to reduce the amount of runoff from a property by storing water underground and allowing it to soak

into the soil. The size and holding capacity are determined by the area draining to the pit and the permeability of the underlying soil. Also called **soakaway pit**, infiltration chamber, or infiltration gallery.

- 3.23 LOW IMPACT DEVELOPMENT:** A stormwater management method that preserves or recreates natural landscape features by minimizing imperviousness and creating functional site drainage for resourceful applications. Similar to green infrastructure, except LID includes barrels and cisterns. (For more information, see the Introduction and Background section.) An approach to land development (or redevelopment) that works with nature to manage stormwater as close to its source as possible. LID employs principles such as preserving and recreating natural landscape features, minimizing effective imperviousness, to create functional and appealing site drainage that treats stormwater as a resource rather than a waste product. Many practices have been used to adhere to these principles such as bioretention facilities (infiltration or soakaway pits), rain gardens, vegetated rooftops, rain barrels, and permeable pavements. It is similar to green infrastructure, although LID includes barrels and cisterns.

- 3.45 SPRINKLER IRRIGATION:** Method of irrigation in which the water is sprayed or sprinkled through the air to the ground surface

- 3.46 STORMWATER:** Natural precipitation that has contacted a surface at or below grade, or an above grade parking structure, and has not been put to beneficial use. Natural precipitation that has contacted an impermeable surface at, below (e.g., channels, storm drain pipes), or above (e.g., elevated roadways) grade.

- 3.51 SURFACE IRRIGATION:** Broad class of irrigation methods in which water is distributed over the soil surface by gravity flow. Water that is applied above ground level and is directly exposed to the aboveground surface and/or air.

4.0 DESIGN AND INSTALLATION REQUIREMENTS

4.1 Collection Parameters

4.1.2 Nonpotable Water Applications

- 4.1.2.1** The collection surface shall be constructed of above-, at- or below-grade, hard surface, impervious and pervious materials.

- 4.1.2.3** Collection of stormwater from any surface above-, at, or below grade is permitted.

4.3 Pretreatment

- 4.3.3** Pretreatment shall be provided with a debris screen or equivalent device that protects the cistern from the intrusion of debris, insects, vermin, or other organisms that can be a potential danger if allowed to enter the cistern and that prevents and minimizes clogging.

- 4.4 Cistern / Storage Tank:** Following are the minimum requirements for cisterns. Additional requirements are provided in Section 4.9 for potable water applications.

4.4.2 Installation

- 4.4.2.8** In addition to the manufacturer's installation instructions,

~~c.—All water storage tanks requiring field erection must be built/installed by trained personnel.~~

- 4.4.2.12** Where an opening is provided in a cistern that could allow the entry of personnel, the opening shall be appropriately-marked "Danger – Confined Space" or locked.

4.4.3 Inlets, Outlets, and Openings

- 4.4.3.2** If the overflow outlet, flap valve, or vent is open to the atmosphere, it shall be protected with a screen having openings no greater than 0.3 cm (0.125 in.), or as otherwise appropriate, for preventing the entrance of insects or vermin into the cistern.

4.4.3.2.1 The overflow outlet shall be sized in accordance to accommodate the flow of the stormwater entering the tank and not less than the cross-sectional area of all inflow pipes with standard engineering practices.

- 4.5 Pump:** Where a pump is provided in conjunction with the stormwater harvesting system, the pump shall meet the following provisions:

- 4.5.2** Potable water pumps shall be certified to the requirements of NSF/ANSI 61 by an ANSI-accredited certification organization.

- 4.6 Post-Cistern Treatment:** Treatment shall meet the following provisions:

- 4.6.2** Where stormwater is used for indoor purposes, such as for laundry, toilet and urinal flushing, cooling and process, and outdoor purposes such as spray irrigation and washdown, the water shall be treated as a safeguard against sediment or discoloration, filtered for the proper operation of valves or other devices, and disinfected according the standards of the local public health or authority having jurisdiction. (Note: If no such standards exist, some references, including NSF 350, are found in Appendix C.)

4.7 Piping

- 4.7.2** There shall be no direct connection of any stormwater harvesting pipe system and a public utility-provided domestic potable water pipe system without an approved backflow device, such as a reduced pressure principle backflow prevention assembly (RP) and the related reduced pressure principle

detector backflow prevention assembly (RPDA), and/or an air gap as required by the authority having jurisdiction.

4.7.2.1 Where an air gap is provided for makeup water, the inlet of the storage tank Air-gap inlets shall be screened, and the mesh shall be sized to accommodate the full anticipated flow into the tank/cistern. Mesh shall also be sized to prevent the intrusion of mosquitos and other insects, but shall not be less than 0.3175 cm (0.125 in.).

4.7.7 Piping Materials

4.7.7.3 All connections shall be designed to withstand the static water pressure of a full tank and to remain watertight. Pressurized systems and components shall be in conformance with the applicable plumbing code.

4.8 System Inspection and Maintenance for Nonpotable Systems

4.8.3 Water Quality Maintenance

4.8.3.3 If the quality of the tested water cannot consistently be maintained at the minimum levels specified by the authority having jurisdiction, the system shall be equipped with an appropriate treatment device certified by an ANSI-accredited certification organization to the requirements of meeting the applicable NSF/ANSI standard, per Section 2.9.

4.9 Potable Water Applications

4.9.3 In addition, the following standards shall apply, unless they conflict with the requirements of the authority having jurisdiction.

4.9.3.1 Collection surfaces for potable water applications shall be made of nontoxic material and meet the requirements noted in Section 4.1.1. The following items and activities shall not be allowed in the stormwater collection area for potable water applications: cars, domesticated animals, garbage containers, use of pesticides or herbicides, storage of paint, solvents, or other hazardous materials, or other items or activities that would have a reasonable potential to release contaminants into the stormwater.

4.9.3.2 Painted surfaces are only acceptable if the paint has been certified by an ANSI-accredited certification organization listed for the applicable use to NSF P151 or NSF/ANSI 61 to ensure that the toxicity level of the paint is acceptable for drinking water contact. Lead-, chromium-, or zinc-based paints are not permitted.

4.9.3.3 Flat roof products shall be certified by an ANSI-accredited certification organization listed for the applicable use to NSF P151.

4.9.4 Cisterns (Untreated Water)

4.9.4.3 Cistern outlets shall be provided with a floating inlet to draw water from the cistern just below the water surface, or the outlet shall be located at least 10 cm (4 in.) above the bottom of the cistern. Alternatives to floating inlets, for larger flow rates, are allowed providing they meet the 10 cm (4 in.) distance criteria above the cistern bottom. Alternatives for larger flow rates to floating inlets are allowed as long as they meet 10 cm (4 in.) above the cistern bottom.

4.9.4.4 Cisterns shall be certified by an ANSI-accredited certification organization listed for the applicable use to NSF/ANSI 61. Plastic tanks shall be certified by an ANSI-accredited certification organization adhere to the requirements of NSF/ANSI 61 and be constructed of virgin plastic.

4.9.4.5 Cisterns shall not be connected directly to a public water system without approved backflow protection. The public water system provider, inspector, or approving agency shall be contacted prior to making any such connection.

4.9.5 Filtration for Pathogen Removal

4.9.5.1 Equipment shall be certified by an ANSI-accredited certification organization for at least 2-log (99%) removal of *Cryptosporidium* oocysts under NSF/ANSI 53 or another pathogen removal standard acceptable to the authority having jurisdiction.

4.9.6 Filtration – Granular Activated Carbon

4.9.6.2 Carbon filtration shall be certified by an ANSI-accredited certification organization under NSF/ANSI 42 or another standard acceptable to the authority having jurisdiction for the intended end use.

4.9.7 Water Disinfection: The drinking water disinfection equipment shall be designed to provide at least 1-log (90%) inactivation of *Giardia lamblia* cysts and 4-log (99.99%) inactivation of viruses. The design may include a single disinfectant or multiple disinfectants as follows:

4.9.7.1 Chlorination (Hypochlorite) Only

4.9.7.1.1 Shall be designed to provide a contact time of at least 60 minutes with a treated water free chlorine residual of 1.0 mg/L.

4.9.7.3 Ultraviolet (UV) Disinfection Only

4.9.7.3.5 UV reactors shall be equipped with a UV intensity sensor and an audible alarm or automatic shutdown of the reactor if the UV intensity drops below the manufacturer designated setpoint.

4.9.7.4 Chlorination (Hypochlorite) Combined with Ultraviolet (UV) Disinfection

4.9.7.4.5 UV reactors shall be equipped with a UV intensity sensor and an audible alarm or automatic shutdown of the reactor if the UV intensity drops below the manufacturer designated setpoint.

4.9.8 Corrosion Control: Natural precipitation is slightly acidic (pH 4.8 to 5.8 is common in the United States) and low in dissolved minerals, which makes it aggressive to most plumbing components.

4.9.8.1 A calcite contactor, or other means of pH and alkalinity adjustment, shall be installed ~~if required by the authority having jurisdiction.~~

4.10 Operation and Water Quality Maintenance (Potable Systems)

4.10.3 Water Quality Maintenance

4.10.3.1 The quality of the water shall be analyzed using EPA-approved methods as outlined in Table 4.2.

Table 4.2 ONGOING TESTING		
PARAMETER	SAMPLING LOCATION ¹	FREQUENCY
Turbidity	After filtration, prior to disinfection ²	Daily or Continuously
Pressure	Before and after filtration	Daily or Continuously
Flow Rate (max)	Before or after treatment	Continuously
Disinfectant Residual	After treatment	Daily or Continuously
UV Intensity	UV reactor	Continuously
Total Coliform ³	After treatment	Annually
Notes:		
1- Compare the results from the primary sampling location to those listed in the tables in Appendix B.		
2- The authority having jurisdiction shall be notified if the turbidity exceeds 0.3 NTU. Sampling of untreated water is for informational purposes unless required by the Authority Having Jurisdiction.		
3- The authority having jurisdiction shall be notified if total coliform are detected in the water after treatment. No detectable coliform are allowed in the water after treatment.		

Appendix B: Potential Pollutants in Stormwater and Minimum Water Quality Standards for Potable Use (Informative)

Inorganic Chemicals and Physical Parameters	
Water Quality Parameter	Maximum Allowable Concentration, mg/L
Antimony	0.006
Arsenic	0.010
Barium	2.0
Beryllium	0.004
Cadmium	0.005 0.1
Copper	0.65 1.3
Cyanide	0.2
Fluoride	4.0
Lead	0.005 0.15
Mercury	0.002
Nitrate (as N)	10
Nitrite (as N)	1.0
Selenium	0.05 0.05
Thallium	0.002
Zinc	5.0

Appendix C: Examples of Water Quality Guidelines and Labeling (Informative)

The following references describe water quality standards for the nonpotable use of rainwater. The designer should check with the authority having jurisdiction to determine the appropriate end-use water quality standards before starting project design. In the event the AHJ doesn't publish guidelines, the intent of providing the following local and state guidelines is to provide a basis for discussions between the designer and AHJ to agree upon water quality standards for the proposed project.

BSR/UL 676, Standard for Safety for Underwater Luminaires and Submersible Junction Boxes**5. Marking of isolated low voltage luminaires**

40.13 A luminaire rated in accordance with 8.4.1 shall be marked "For supply connection, use only an isolating low voltage power supply with ungrounded output, evaluated for swimming pool use." This marking shall be visible during installation; a cord tag ~~or removable label~~ is permitted.

6. Submersible luminaires

44.1 A submersible luminaire shall be provided with a permanently attached length of flexible cord in accordance with 7.3. Low voltage luminaires are permitted to use hard usage cords not smaller than ~~0.82 mm² (18 AWG)~~ 0.20 mm² (24 AWG).

~~44.3 A flexible cord supplied as part of a submersible luminaire shall not be provided with an attachment plug or receptacle.~~

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BSR/UL 844, Standard for Safety for *Luminaires for Use in Hazardous (Classified) Locations*

1. Revisions to add new paragraph 37.5

PROPOSAL

37.5 Prior to the test of SA5.3, diffusers, globes, refractors, lenses and similar optics that are made from polymeric material shall be permitted to be subjected to short term-aging using the formula found in SA5.3 when all of the following applies:

a) The polymeric material which forms the optic portion must be a UL Recognized material with an established RTI value, and used within this rating;

b) The polymeric material which forms the optic portion forms a part of a gasketed metal to polymeric joint;

c) The joint is not intended to be a serviceable joint;

d) Air temperature is conducted measuring the lens internal service temperature, in addition to all gasket internal service temperatures; and

e) The maximum internal service temperature is used in the aging formula in SA5.3.

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BSR/UL 1238, Standard for Safety for Control Equipment for Use with Flammable Liquid Dispensing Devices

1. User replaceable fuse marking

PROPOSAL

47.3.1 There shall be a replacement marking adjacent to a user replaceable fuse or fuseholder. The marking shall be located where it will be readily visible during replacement of the fuse, and shall consist of the word "CAUTION" and the following or equivalent: "For Continued Protection Against Risk Of Fire, Replace Only With Same Type A, V fuse." The blanks shall have the applicable current and voltage ratings.

2. Update and clarification of Flammability Test

PROPOSAL

39.3.4 The test flame is to be obtained by means of a Bunsen or Tirrill burner having a nominal bore of 3/8 inch (9.5 mm) and a length of 4 inches (102 mm) above the primary air inlets. A gas supply of 1000 BTU per cubic foot (37 MJ/m³) at normal pressure is to be used and the flame adjusted so that, while the burner is vertical, the overall height of flame is 3/4 inch (19.1 mm). The flame shall be yellow in appearance with no appreciable inner blue cone. A laboratory type burner having a tube with a length of 100 ±10 mm (3.94 ±0.39 inch) and an inside diameter of 9.5 ±0.3 mm (0.374 ±0.012 inch) is to be used. The barrel is not to be equipped with an end attachment, such as a stabilizer. The burner shall be in compliance with Specification for a Laboratory Burner Used for Small-Scale Burning Tests on Plastic Materials, ASTM D5025. Adjust the burner to produce a blue flame 20 ±1 mm high (3/4 inch nominal). The flame is obtained by adjusting the gas supply and air ports of the burner until a 20 ±1 mm (3/4 inch nominal) yellow-tipped blue flame is produced. Increase the air supply until the yellow tip just disappears. Measure the height of the flame again and readjust it if necessary. The test flame shall be calibrated in accordance with Standard Practice for Calibration of 20 mm and 125 mm Test Flames for Small-Scale Burning Tests on Plastic Materials, ASTM D5207, at least once a month and when the gas supply is changed, test equipment is replaced, or when data is questioned.

3. Update references to motor standards

PROPOSAL

17.1 Each motor shall be evaluated for use in its intended environment and shall be capable of driving its "maximum normal load" during operation of the equipment without introducing hazardous conditions. A motor intended for use in a Division 1 Classified area shall comply with the requirements in the Standard for Electric Motors and Generators for Use in Division 1 Hazardous (Classified) Locations, UL 674. Motors for use in unclassified areas shall comply with the Standard for Electric Motors, UL 1004 Standard for Rotating Electrical Machines - General Requirements, UL 1004-1.

17.5 The overcurrent (overload) protection required in 17.3 is to consist of one of the following:

- a) Thermal protection complying with either the Standard for Overheating Protection for Motors, UL 2111, or the Standard for Thermally Protected Motors, UL 1004-3;
- b) Impedance protection complying with the requirements for motor-operated equipment when tested as used in the application; and
- c) Other protection that tests show is equivalent to the protection mentioned in (a).

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