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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: December 25, 2016

NSF (NSF International)

Revision

BSR/NSF 61-201x (i134r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2016)

This Standard establishes minimum health effects requirements for the chemical contaminants and impurities that are indirectly imparted to drinking water from products, components, and materials used in drinking water systems. This Standard does not establish performance, taste and odor, or microbial growth support requirements for drinking water system products, components, or materials.

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

Send comments (with copy to psa@ansi.org) to: Monica Leslie, (734) 827-5643, mleslie@nsf.org

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 94-201x, Standard for Safety for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances (revision of ANSI/UL 94-2016)

This proposal covers the alignment of the Flame Spread Index Calculation provided in Section 10 of UL 94 with ASTM E162-08.

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

Send comments (with copy to psa@ansi.org) to: Derrick Martin, (510) 319-4271, Derrick.L.Martin@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1082-201X, Standard for Safety for Household Electric Coffee Makers and Brewing Type Appliances (Proposals dated 11/25/16) (revision of ANSI/UL 1082-2016)

Carafe Handle Security Test.

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

Send comments (with copy to psa@ansi.org) to: Linda Phinney, (510) 319-4297, Linda.L.Phinney@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 2225-201X, Standard for Safety for Cables and Cable-Fittings for Use in Hazardous (Classified) (Proposal dated 11-25-16) (revision of ANSI/UL 2225-2016)

Revisions to add low ambient requirements for cable glands to Sections 24, 37.2, and 37.3.

[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

Comment Deadline: January 9, 2017

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoption

BSR/AAMI/ISO 18472-201x, Sterilization of health care products - Biological and chemical indicators - Test equipment (identical national adoption of ISO/DIS 18472 and revision of ANSI/AAMI/ISO 18472-2010 (R2015))

Specifies the requirements for test equipment to be used to test biological Indicators for steam, ethylene oxide, and dry heat processes for conformity to the requirements given in ISO 11138; and test chemical indicators for steam, ethylene oxide, dry heat, and vaporized hydrogen peroxide processes for conformity to the requirements given in ISO 11140.

Single copy price: Free

Obtain an electronic copy from: https://standards.aami.org/kws/public/document?document_id=10469&wg_abbrev=PUBLIC_REV

Order from: Cliff Bernier, (703) 253-8263, cbernier@aami.org

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

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

BSR/AAMI/ISO 13408-1-2008 (R201x), Aseptic processing of health care products - Part 1: General requirements (reaffirmation of ANSI/AAMI/ISO 13408-1-2008 (R2011))

Specifies the general requirements for, and offers guidance on, processes; programs; and procedures for development, validation, and routine control of the manufacturing process for aseptically processed health care products.

Single copy price: \$145.00 (AAMI members)/\$209.00 (list)

Order from: <http://my.aami.org/store/detail.aspx?id=1340801-PDF>

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

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

BSR/AAMI/ISO 13408-1-2008/A1-2013 (R201x), Aseptic processing of health care products - Part 1: General requirements (reaffirmation of ANSI/AAMI/ISO 13408-1-2008/A1-2013)

Specifies the general requirements for, and offers guidance on, processes; programs; and procedures for development, validation, and routine control of the manufacturing process for aseptically processed health care products.

Single copy price: \$145.00 (AAMI members)/\$209.00 (list)

Order from: <http://my.aami.org/store/detail.aspx?id=1340801-PDF>

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

AIIM (Association for Information and Image Management)

Revision

BSR/AIIM 22-201x, Standard Recommended Practice - Strategy Markup Language - Part 2: Performance Plans and Reports (revision of ANSI/AIIM 22-2011)

This standard specifies an Extensible Markup Language (XML) vocabulary and schema (XSD) for the elements that are common and considered to be part of performance plans and reports. This is the second of a series of parts comprising the Strategy Markup Language (StratML) standard. Part 1 (ANSI/AIIM 21-2009) specifies the elements of strategic plans. Part 3 will specify extensions to the first two parts that may be useful but are not considered to be essential for the basic purposes of the standard.

Single copy price: \$39.00

Obtain an electronic copy from: bfanning@aiim.org

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

ASABE (American Society of Agricultural and Biological Engineers)

New Standard

BSR/ASABE S642-201x, Recommended Methods of Measurements and Testing for LED Radiation Products for Plant Growth and Development (new standard)

This document recommends methods of measurements and testing for LEDs (packages, arrays, or modules), LED lamps, and any other LED radiation devices used for plant growth and development. The methods are to obtain device characteristics and long-term change behaviors.

Single copy price: \$58.00

Obtain an electronic copy from: walsh@asabe.org

Order from: Jean Walsh, (269) 932-7027, walsh@asabe.org

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

ASABE (American Society of Agricultural and Biological Engineers)

Reaffirmation

BSR/ASAE S351-1982 (R201x), Hand Signals for Use in Agriculture (reaffirmation of ANSI/ASAE S351-1982 (R2011))

This Standard provides for hand signals to be used in agricultural operations especially when noise or distance precludes the use of normal voice communication. The purpose of the hand signals is to provide an easy means of communication, particularly in the interest of safety.

Single copy price: \$58.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASABE (American Society of Agricultural and Biological Engineers)

Reaffirmation

BSR/ASAE S365.9-2011 (R201x), Braking System Test Procedures and Braking Performance Criteria for Agricultural Field Equipment (reaffirmation of ANSI/ASAE S365.9-2011)

The purpose of this standard is to establish requirements, minimum performance criteria, and performance test procedures for braking systems on agricultural field equipment.

Single copy price: \$58.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

Reaffirmation

BSR X9.73-2010 (R201x), Cryptographic Message Syntax - ASN.1 and XML (reaffirmation of ANSI X9.73-2010)

This standard specifies a cryptographic syntax scheme that can be used to protect financial transactions, files, and other messages from unauthorized disclosure and modification. The cryptographic syntax scheme is based on an abstract Cryptographic Message Syntax (CMS) schema whose concrete values can be represented using either a compact, efficient, binary encoding, or as a flexible, human-readable, XML markup format. Simple Object Application Protocol (SOAP) message extensions are defined for each of the cryptographic types defined in X9.73 to enable protection of financial services information in Web Services environments.

Single copy price: \$60.00

Order from: Janet.Busch@x9.org

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

Reaffirmation

BSR X9.82-3-2007 (R201x), Random Number Generation - Part 3: Deterministic Random Bit Generator Mechanisms (reaffirmation of ANSI X9.82 Part 3-2007)

This part of ANSI X9.82 (Part 3) defines mechanisms for the generation of random bits using deterministic methods. The DRBG mechanisms are not sufficient by themselves to define a Random Bit Generator (RBG); Parts 2 and 4 of this Standard provide further requirements for the design of an RBG. A DRBG is based on a DRBG mechanism as specified in this part of the Standard and includes a source of entropy input. Part 3 specifies several diverse DRBG mechanisms, all of which provided acceptable security when this Standard was approved. However, in the event that new attacks are found on a particular class of mechanisms, a diversity of approved mechanisms will allow a timely transition to a different class of DRBG mechanism.

Single copy price: \$60.00

Order from: ambria.frazier@x9.org

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

Reaffirmation

BSR X9.84-2010 (R201x), Biometric Information Management and Security for the Financial Services Industry (reaffirmation of ANSI X9.84-2010)

This Standard describes the security framework for using biometrics for authentication of individuals in financial services. It introduces the types of biometric technologies and addresses issues concerning their application. This Standard also describes the architectures for implementation, specifies the minimum security requirements for effective management, and provides control objectives and recommendations suitable for use by a professional practitioner. Within the scope of this Standard the following topics are addressed: Security for the collection, distribution, and processing, of biometric data, encompassing data integrity, authenticity, and non-repudiation. Management of biometric data across its life cycle comprised of the enrollment, transmission and storage, verification, identification, and termination processes. Usage of biometric technology, including one-to-one and one-to-many matching, for the identification and authentication of banking customers and employees. Application of biometric technology for internal and external, as well as logical and physical access control. Encapsulation and cryptographic protection of biometric information for security, interoperability, and data confidentiality. Secure transmission and storage of biometric information during its life cycle. Security of the physical hardware used throughout the biometric data life cycle. Cryptographic techniques for data integrity, authenticity, and data confidentiality of biometric information. Validation of credentials presented at enrollment to support authentication as required by risk management; Surveillance to protect the financial institution and its customers; Items considered out of scope and not addressed in this Standard include the following: The individual's privacy and ownership of biometric information. Specific techniques for data collection, signal processing, and matching of biometric data, and the biometric matching decision-making process; Usage of biometric technology for non-authentication convenience applications such as speech recognition, user interaction, and anonymous access control. Although this Standard does not address specific requirements and limitations of business application employing biometric technology, other standards may address these topics.

Single copy price: \$100.00

Order from: ambria.frazier@x9.org

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

ASTM (ASTM International)

Revision

BSR/ASTM F2160-201x, Specification for Solid Wall High Density Polyethylene (HDPE) Conduit Based on Controlled Outside Diameter (OD) (revision of ANSI/ASTM F2160-2010)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

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

AWS (American Welding Society)

Revision

BSR/AWS B5.5-201X, Specification for the Qualification of Welding Educators (revision of ANSI/AWS B5.5-2011)

This specification defines the requirements and program to qualify two levels of welding educators; Welding Educators for welder training programs, and Welding Technology Educators for welding technician programs. The qualification of a welding educator is determined by a combination of education and experience, satisfactory demonstration of welding performance qualification tests, and written and practical examinations.

Single copy price: \$30.00

Obtain an electronic copy from: steveh@aws.org

Order from: Stephen Hedrick, (305) 443-9353, steveh@aws.org

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

AWWA (American Water Works Association)

Revision

BSR/AWWA B200-201x, Sodium Chloride (revision of ANSI/AWWA B200-2012)

This standard describes sodium chloride in the forms of rock, vacuum-granulated, solar, and compressed solar salt for use in the recharging of cation-exchange materials in water supply service for softening municipal and industrial potable water, wastewater, and reclaimed water supplies. Additionally, sodium chloride is used in the recharging of anion-exchange materials for nitrate removal or de-alkalization of municipal and industrial supplies.

Single copy price: \$20.00

Obtain an electronic copy from: v david@awwa.org

Order from: Paul Olson, (303) 347-6178, polson@awwa.org; v david@awwa.org

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

CTA (Consumer Technology Association)

Reaffirmation

BSR/CTA 2015-2007 (R201x), Mobile Electronics Cabling Standard (reaffirmation of ANSI/CTA 2015-2007)

This standard defines size and performance requirements for power and speaker cabling used in mobile electronics applications.

Single copy price: \$72.00

Obtain an electronic copy from: standards@cta.tech

Order from: standards@cta.tech

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

ECIA (Electronic Components Industry Association)

Reaffirmation

BSR/EIA 364-12A-2005 (R201x), Restricted Entry Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-12A-2005 (R2010))

This standard establishes a test method to determine the ability of socket contacts, classified as restricted entry types, to prevent the insertion of an oversized pin.

Single copy price: \$72.00

Obtain an electronic copy from: <https://global.ihs.com/>

Order from: <https://global.ihs.com/>

Send comments (with copy to psa@ansi.org) to: Ed Mikoski (emikoski@ecianow.org)

ECIA (Electronic Components Industry Association)**Reaffirmation**

BSR/EIA 364-62A-2004 (R201x), Terminal Strength Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-62A-2004 (R2010))

This standard establishes test methods to determine the ability of the terminals of an electrical connector to withstand the mechanical stresses likely to be applied during normal assembly operations. This test method is limited to standard flat type through hole terminations, such as those typically used in connector or socket type products, that have a material thickness no thicker than 0.30 millimeters (0.012 inch). Test methods for printed circuit terminals and solderless wrap terminals are included in this standard.

Single copy price: \$72.00

Obtain an electronic copy from: <https://global.ihs.com/>

Order from: <https://global.ihs.com/>

Send comments (with copy to psa@ansi.org) to: Ed Mikoski (emikoski@ecianow.org)

ECIA (Electronic Components Industry Association)**Reaffirmation**

BSR/EIA 364-81A-2005 (R201x), Combustion Characteristics Test Procedure for Electrical Connector Housings, Connector Assemblies and Sockets (reaffirmation of ANSI/EIA 364-81A-2005 (R2010))

This standard establishes a test method that may be used to characterize the resistance of connector/socket housings, including composite housings in their as molded condition with and without contacts relative to flammability for a particular application.

Single copy price: \$76.00

Obtain an electronic copy from: <https://global.ihs.com/>

Order from: <https://global.ihs.com/>

Send comments (with copy to psa@ansi.org) to: Ed Mikoski (emikoski@ecianow.org)

ECIA (Electronic Components Industry Association)**Reaffirmation**

BSR/EIA 364-82A-2005 (R201x), Corrosivity of Plastics Test Procedure for Electrical Connector and Socket Housings (reaffirmation of ANSI/EIA 364-82A-2005 (R2010))

This standard establishes a test method to determine whether a plastic electrical connector or socket housing generates corrosive elements when in contact with metallic parts or components.

Single copy price: \$75.00

Obtain an electronic copy from: <https://global.ihs.com/>

Order from: <https://global.ihs.com/>

Send comments (with copy to psa@ansi.org) to: Ed Mikoski (emikoski@ecianow.org)

ESTA (Entertainment Services and Technology Association)**New Standard**

BSR E1.50-201x, Entertainment Technology - Requirements for the Structural Support of Temporary LED, Video & Display Systems (new standard)

The scope of this standard covers temporary installations of large format modular display systems, LED, video and other self-illuminating display structures not otherwise addressed by existing standards. The scope of this standard includes planning and site preparedness, assembly and erection, suspension and safety of components, special access requirements, and use and dismantling of these systems.

Single copy price: Free

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

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

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

HL7 (Health Level Seven)**New Standard**

BSR/HL7 CDAR2 IG CONSENTDIR, R1-201x, HL7 CDA R2 Implementation Guide: Privacy Consent Directives, Release 1 (new standard)

This implementation guide is intended to produce a structured document specification to exchange signed Consent Directives. It will make use of the concepts identified in the Composite Privacy Consent Directive - Domain Analysis Model - and the CDA R2 specification. This specification is not only intended to provide a computable representation of a consent directive but the resulting structured documents could be used to generate enforceable assertions or rules (e.g., SAML, XACML). This project is intended to support the management of consent directives and policies.

Single copy price: Free to members; free to non-members 90 days following ANSI approval and publication by HL7

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777, Karenvan@HL7.org

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

HPS (ASC N13) (Health Physics Society)**Reaffirmation**

BSR N2.1-2011 (R201x), Radiation Symbol (reaffirmation of ANSI N2.1-2011)

This standard provides guidance on the appropriate usage of the radiation symbol and the size, shape, and color of the radiation symbol.

Single copy price: \$20.00

Obtain an electronic copy from: njohnson@burkinc.com

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

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

InfoComm (InfoComm International)**Revision**

BSR/INFOCOMM A102.01-201x, Audio Coverage Uniformity in Listener Areas (revision and redesignation of ANSI/INFOCOMM 1M-2009)

This Standard defines parameters for characterizing an audio system's coverage of defined listening areas. It provides performance classifications and measurement procedures to assess the uniformity of coverage of an audio system's early arriving sound, with the goal of achieving consistent sound pressure levels throughout the defined listening areas.

Single copy price: \$60.00 USD (non-members); Free (InfoComm members)

Order from: <http://www.infocomm.org/standards>

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

NEMA (ASC C12) (National Electrical Manufacturers Association)**Revision**

BSR/C12.20-201x, Standard for Electricity Meters - 0.1, 0.2 and 0.5 Accuracy Classes (revision of ANSI C12.20-2010)

This standard establishes the physical aspects and acceptable performance criteria for 0.1, 0.2, and 0.5 accuracy class electricity meters meeting Blondel's Theorem. Where differences exist between the requirements of this Standard and the most current version of C12.1 and C12.10, the requirements of this Standard shall prevail

Single copy price: \$87.00

Obtain an electronic copy from: NEMA

Order from: NEMA

Send comments (with copy to psa@ansi.org) to: Paul Orr, (703) 841-3227, Pau_orr@nema.org

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

BSR/SCTE 102-201x, Cable Retention Force Testing of Trunk and Distribution Connectors (revision of ANSI/SCTE 102-2010)

The purpose of this document is to define a standard test procedure to prepare, test and document the retention forces of a given connector/cable assembly, as whole or separate components.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

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

BSR/SCTE 161-201x, Drop Amplifiers (revision of ANSI/SCTE 161-2009)

The purpose of this specification is to recommend mechanical and electrical standards for broadband radio frequency (RF) devices whose primary purpose is to amplify signals presented to an input port and deliver the amplified signals to one or more output ports. The devices are also required to pass signals in a different range of frequencies in the return direction and, optionally, may provide amplification of such return signals. The specification's scope is limited to 75-ohm devices whose ports are provided with F connectors. The most common use for such devices is on-premises RF signal distribution.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

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

BSR/UL 1778-201x, Standard for Safety for Uninterruptible Power Systems (Proposal dated 11-25-16) (revision of ANSI/UL 1778-2014)

Proposals include: (1) Updating references and other minor updates, (2) Updates to temperature limits, and (3) Adding requirements for short-circuit withstand and short-circuit closing test port location.

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

Comment Deadline: January 24, 2017**ASME (American Society of Mechanical Engineers)****Reaffirmation**

BSR/ASME B29.15M-1997 (R201x), Steel Roller Type Conveyor Chains, Attachments, and Sprocket Teeth (reaffirmation of ANSI/ASME B29.15M-1997 (R2009))

This Standard covers steel-roller-type conveyor chains, which is a series of roller links having steel bushings with rollers to contact the sprocket teeth, alternating with links comprised of sidebars and pins, which articulate in the steel bushings of the roller link.

Single copy price: Free

For Reaffirmations and Withdrawn standards, please view our catalog at <http://catalog.asme.org>

Send comments (with copy to psa@ansi.org) to: Remington Richmond, (212) 591-8404, richmond@asme.org

ASME (American Society of Mechanical Engineers)**Reaffirmation**

BSR/ASME B29.200-2001 (R201x), Welded-Steel-Type Mill Chains, Welded-Steel-Type Drag Chains, Attachments, and Sprocket Teeth (reaffirmation of ANSI/ASME B29.200-2001 (R2009))

This Standard covers both the Welded-Steel-Type Mill Chains and Welded-Steel-Type Drag Chains. Both types are a series of identical offset links having barrels to contact the sprocket teeth, and pins which articulate in the barrels of the links. However, the Drag Chains are especially designed to operate closed-end of link forward for maximum push or scraping action against the material to be conveyed.

Single copy price: Free

For Reaffirmations and Withdrawn standards, please view our catalog at <http://catalog.asme.org>

Send comments (with copy to psa@ansi.org) to: Mayra Santiago, (212) 591-8521, ansibox@asme.org

UL (Underwriters Laboratories, Inc.)***New National Adoption***

BSR/UL 61010-2-012-201X, Standard for Safety Requirements for Measurement, Control, and Laboratory Use - Part 2-012: Particular Requirements for Climatic and Environmental Testing and Other Temperature Conditioning Equipment (identical national adoption of IEC 61010-2-012)

Adoption of IEC 61010-2-012, Standard for Safety Requirements for Measurement, Control, and Laboratory Use - Part 2-012: Particular Requirements for Climatic and Environmental Testing and Other Temperature Conditioning Equipment, (first edition, issued by IEC July 2016) as a new IEC-based UL standard, UL 61010-2-012 with no U.S. Differences.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: www.comm2000.com

Order from: comm2000, 151 Eastern Avenue, Bensenville, IL 60106 USA, 1-888-853-3503

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

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

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

CGATS GRACoL TR 006-2016, Graphic Technology - Color Characterization Data for Gracol Proofing and Printing on U.S. Grade 1 Coated Paper (Technical Report) (technical report)

This Technical Report provides color characterization data (the relationship between CMYK printing values and measured color on the printed sheet) for proofing and for sheet-fed printing on U.S. Grade-1 coated papers (ISO 12647-2, paper type 1).

Single copy price: Free download

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

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

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

CGATS SWOP TR 003-2016, Graphic Technology - Color Characterization Data for Swop Proofing and Printing on U.S. Grade 3 Coated Publication Paper (Technical Report) (technical report)

This Technical Report provides color characterization data (the relationship between CMYK printing values and measured color on the printed sheet) for proofing and sheet or web offset printing of publication input materials on U.S. Grade-3 coated publication paper performed in accordance with the SWOP Specifications.

Single copy price: Free download

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

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

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

CGATS SWOP TR 005-2016, Graphic Technology - Color Characterization Data for Swop Proofing and Printing on U.S. Grade 5 Coated Publication Paper (Technical Report) (technical report)

This Technical Report provides color characterization data (the relationship between CMYK printing values and measured color on the printed sheet) for proofing and sheet or web offset printing of publication input materials on U.S. Grade-5 coated publication paper performed in accordance with the SWOP Specifications.

Single copy price: Free download

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

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

RIA (Robotic Industries Association)

RIA TR R15.606-2016, Technical Report for Industrial Robots and Robot Systems - Safety Requirements - Collaborative Robots (Technical Report) (technical report)

This Technical Report updates and expands upon the information on collaborative robots and collaborative robot systems as previously presented in ANSI/RIA R15.06-2012. This Technical Report is supplemental to ANSI/RIA R15.06-2012 and is not itself a standard. It is a national adoption of ISO/TS 15066:2016, which is presented in its entirety, with edits limited to formatting and spelling changes from British to American norms. Although this U.S. Technical Report is based on an ISO Technical Specification, the syntax of "should" and "shall" are used in the context of this Technical Report to indicate the relative importance of specific criteria or features in this Technical Report, and are not normative requirements. The Robotic Industries Association (RIA) has prepared this Technical Report with the objective of enhancing the safety of personnel associated with collaborative robot systems used in an industrial setting.

Single copy price: \$150.00

Order from: Carol Franklin, (734) 218-0509, cfranklin@robotics.org

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

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:

AAMI (Association for the Advancement of Medical Instrumentation)

BSR/AAMI PI100-201x, Integrated Artificial Pancreas (new standard)

Inquiries may be directed to Jennifer Moyer, (703) 253-8274, jmoyer@aami.org

AWI (Architectural Woodwork Institute)

BSR/AWI-AWIS1-201x, Architectural Woodwork and Interiors Standards (new standard)

Call for Members (ANS Consensus Bodies)

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

AAMI (Association for the Advancement of Medical Instrumentation)

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

Contact: *Jennifer Moyer*

Phone: (703) 253-8274

Fax: (703) 276-0793

E-mail: jmoyer@aami.org

BSR/AAMI/ISO 13408-1-2008 (R201x), Aseptic processing of health care products - Part 1: General requirements (reaffirmation of ANSI/AAMI/ISO 13408-1-2008 (R2011))

BSR/AAMI/ISO 13408-1-2008/A1-2013 (R201x), Aseptic processing of health care products - Part 1: General requirements (reaffirmation of ANSI/AAMI/ISO 13408-1-2008/A1-2013)

BSR/AAMI/ISO 18472-201x, Sterilization of health care products - Biological and chemical indicators - Test equipment (identical national adoption of ISO/DIS 18472 and revision of ANSI/AAMI/ISO 18472-2010 (R2015))

BICSI (Building Industry Consulting Service International)

Office: 8610 Hidden River Parkway
Tampa, FL 33637

Contact: *Jeff Silveira*

Phone: (813) 903-4712

Fax: (813) 971-4311

E-mail: jsilveira@bicsi.org

BSR/BICSI 004-201X, Information and Communication - Technology Systems Design and Implementation - Best Practices for Healthcare Institutions and Facilities (revision of ANSI/BICSI 004-2013)

CTA (Consumer Technology Association)

Office: 1919 South Eads Street
Arlington, VA 22202

Contact: *Veronica Lancaster*

Phone: (703) 907-7697

Fax: (703) 907-4197

E-mail: vlancaster@cta.tech

BSR/CTA 708.1-2012 (R201x), Closed Captioning for 3D Video (reaffirmation of ANSI/CTA 708.1-2012)

BSR/CTA 2015-2007 (R201x), Mobile Electronics Cabling Standard (reaffirmation of ANSI/CTA 2015-2007)

BSR/CTA 2038-2012 (R201x), Command-Driven IR-Synchronized Active Eyewear Standard (reaffirmation of ANSI/CTA 2038-2012)

ECIA (Electronic Components Industry Association)

Office: 2214 Rock Hill Road
Suite 265
Herndon, VA 20170-4212

Contact: *Laura Donohoe*

Phone: (571) 323-0294

Fax: (571) 323-0245

E-mail: ldonohoe@ecianow.org

BSR/EIA 364-12A-2005 (R201x), Restricted Entry Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-12A-2005 (R2010))

BSR/EIA 364-62A-2004 (R201x), Terminal Strength Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-62A-2004 (R2010))

BSR/EIA 364-81A-2005 (R201x), Combustion Characteristics Test Procedure for Electrical Connector Housings, Connector Assemblies and Sockets (reaffirmation of ANSI/EIA 364-81A-2005 (R2010))

BSR/EIA 364-82A-2005 (R201x), Corrosivity of Plastics Test Procedure for Electrical Connector and Socket Housings (reaffirmation of ANSI/EIA 364-82A-2005 (R2010))

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

Office: 18927 Hickory Creek Dr Suite 220
Mokena, IL 60448

Contact: *Conrad Jahrling*

Phone: (708) 995-3017

Fax: (708) 479-6139

E-mail: conrad.jahrling@asse-plumbing.org

BSR/ASSE 1085-201x, Tankless water heaters with integral scald and thermal shock protection for plumbed emergency equipment (new standard)

InfoComm (InfoComm International)

Office: 11242 Waples Mill Road
Suite 200
Fairfax, VA 22030

Contact: *Page Mori*

Phone: (703) 279-2164

E-mail: pmori@infocomm.org

BSR/INFOCOMM A102.01-201x, Audio Coverage Uniformity in Listener Areas (revision and redesignation of ANSI/INFOCOMM 1M-2009)

SSPC (The Society for Protective Coatings)

Office: 40 24th Street 6th Floor
Pittsburgh, PA 15235-4656

Contact: *Aimee Beggs*

Phone: (412) 281-2331 ext.2223

Fax: (412) 281-9993

E-mail: beggs@sspc.org

BSR/SSPC-CS 23.00/AWS C2.23M/C2.23/NACE No. 12-201x,
Specification for the Application of Thermal Spray Coatings
(Metallizing) of Aluminum, Zinc, and Their Alloys and Composites for
the Corrosion Protection of Steel (new standard)

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

Are you interested in contributing to the development and maintenance of valuable industry safety standards? The ASC O1 is currently looking for members in the following categories:

- General Interest
- Government
- Producer
- User

If you are interested in joining the ASC O1, contact WMMA Associate Director Jennifer Miller at jennifer@wmma.org.

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.

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoption

ANSI/AAMI/ISO 22442-1-2016, Medical devices utilizing animal tissues and their derivatives - Part 1: Application of risk management (identical national adoption of ISO 22442-1 and revision of ANSI/AAMI/ISO 22442-1-2007 (R2011)): 11/17/2016

ANSI/AAMI/ISO 22442-2-2016, Medical devices utilizing animal tissues and their derivatives - Part 2: Controls on sourcing, collection and handling (identical national adoption of ISO 22442-2 and revision of ANSI/AAMI/ISO 22442-2-2007 (R2011)): 11/17/2016

Reaffirmation

ANSI/AAMI/ISO 14160-2011 (R2016), Sterilization of health care products - Liquid chemical sterilizing agents for single-use medical devices utilizing animal tissues and their derivatives - Requirements for characterization, development, validation and routine control of a sterilization process for medical devices (reaffirmation of ANSI/AAMI/ISO 14160-2011): 11/17/2016

ASA (ASC S12) (Acoustical Society of America)

Withdrawal

ANSI/ASA S12.16-1992, Guidelines for the Specification of Noise of New Machinery (withdrawal of ANSI/ASA S12.16-1992 (R2013)): 11/16/2016

ASABE (American Society of Agricultural and Biological Engineers)

New National Adoption

ANSI/ASABE AD11001-1:2016, Agricultural wheeled tractors - Three-point hitch couplers - Part 1: U-frame coupler (national adoption with modifications of ISO 11001-1:2016): 11/16/2016

ASC X9 (Accredited Standards Committee X9, Incorporated)

Revision

ANSI X9.24-2-2016, Retail Financial Services Symmetric Key Management - Part 2: Using Asymmetric Techniques for the Distribution of Symmetric Keys (revision of ANSI X9.24 Part 2-2006 (R2013)): 11/16/2016

ASCE (American Society of Civil Engineers)

New Standard

ANSI/ASCE/EWRI 50-2016, Standard Guideline for Fitting Saturated Hydraulic Conductivity Using Probability Density Functions (new standard): 11/16/2016

ANSI/ASCE/EWRI 51-2016, Standard Guideline for Calculating the Effective Saturated Hydraulic Conductivity (new standard): 11/16/2016

ANSI/ASCE/EWRI 54-2016, Standard Guideline for the Geostatistical Estimation and Block-Averaging of Homogeneous and Isotropic Saturated Hydraulic Conductivity (new standard): 11/16/2016

ANSI/ASCE/EWRI 65-2016, Calculation of the Saturated Hydraulic Conductivity of Fine-Grained Soils (new standard): 11/16/2016

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME B18.2.3.5M-1979 (R2016), Metric Hex Bolts (reaffirmation of ANSI/ASME B18.2.3.5M-1979 (R2011)): 11/16/2016

ANSI/ASME B18.13.1M-2011 (R2016), Screw and Washer Assemblies: SEMS (Metric Series) (reaffirmation of ANSI/ASME B18.13.1M-2011): 11/16/2016

ANSI/ASME B18.16M-2004 (R2016), Prevailing-Torque-Type Steel Metric Hex Nuts and Hex Flange Nuts (reaffirmation of ANSI/ASME B18.16M-2004 (R2009)): 11/16/2016

ANSI/ASME B18.21.1-2009 (R2016), Washers: Helical Spring-Lock, Tooth Lock, and Plain Washers (reaffirmation of ANSI/ASME B18.21.1-2009): 11/16/2016

ANSI/ASME B18.31.5-2011 (R2016), Bent Bolts (Inch Series) (reaffirmation of ANSI/ASME B18.31.5-2011): 11/16/2016

Revision

ANSI/ASME B73.2-2016, Specification for Vertical In-Line Centrifugal Pumps for Chemical Process (revision of ANSI/ASME B73.2-2003): 11/16/2016

Withdrawal

ANSI/ASME B18.5.2.1M-2006, Metric Round Head Short Square Neck Bolts (withdrawal of ANSI/ASME B18.5.2.1M-2006 (R2011)): 11/16/2016

ASTM (ASTM International)

Revision

ANSI/ASTM D7960-2016, Specification for Unleaded Aviation Gasoline Test Fuel (revision of ANSI/ASTM D7960-2014): 11/15/2016

ANSI/ASTM E1590-2016, Test Method for Fire Testing of Mattresses (revision of ANSI/ASTM E1590-2013): 11/15/2016

ANSI/ASTM E2489-2016, Practice for Statistical Analysis of One-Sample and Two-Sample Interlaboratory Proficiency Testing Programs (revision of ANSI/ASTM E2489-2011): 11/15/2016

EOS/ESD (ESD Association, Inc.)

New Standard

ANSI/ESD STM97.2-2016, ESD Association Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items - Footwear/Flooring System - Voltage Measurement in Combination with a Person (new standard): 11/17/2016

NSF (NSF International)

Reaffirmation

* ANSI/NSF 321-2010 (R2016), Goldenseal Root (*Hydrastis canadensis*) (reaffirmation of ANSI/NSF 321-2010): 10/6/2016

PMMI (PMMI - The Association for Packaging and Processing Technologies)

Revision

ANSI/PMMI B155.1-2016, Safety Requirements for Packaging and Processing Machinery (revision of ANSI/PMMI B155.1-2011): 11/18/2016

SCTE (Society of Cable Telecommunications Engineers)

New Standard

ANSI/SCTE 233-2016, Wavelength-Division Multiplex Small Form Factor Pluggable (PXF-P-WDM) Optical Transmitter Module Interface Specification (new standard): 11/16/2016

Revision

ANSI/SCTE 32-2016, Ampacity of Coaxial Telecommunications Cables (revision of ANSI/SCTE 32-2009): 11/16/2016

ANSI/SCTE 66-2016, Test Method for Coaxial Cable Impedance (revision of ANSI/SCTE 66-2008): 11/16/2016

UL (Underwriters Laboratories, Inc.)

Revision

* ANSI/UL 1598C-2016, Standard for Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits (revision of ANSI/UL 1598C-2014): 11/17/2016

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.

ASC X9 (Accredited Standards Committee X9, Incorporated)

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Annapolis, MD 21401

Contact: *Ambria Frazier*

E-mail: Ambria.frazier@x9.org

BSR X9.63-2011 (R201x), Key Agreement and Key Management Using Elliptic Curve Cryptography (reaffirmation of ANSI X9.63-2011)

Stakeholders: IT equipment vendors, banks, retailers.

Project Need: Elliptic curve cryptography provides very efficient methods for transporting encryption keys between network entities, such as terminals and servers. The methods save processing time and network bandwidth, and allow for strong encryption methods to be used in even mobile devices with relatively small processing capacity. The revision of the standard will align the standard with other recognized methods, and will also update recommendations to improve the security of the included protocols.

This Standard specializes ISO/IEC 11740-3 "Information Technology - Security Techniques - Key Management - Part 3: Mechanisms using asymmetric techniques" for use by the financial services industry. This Standard defines key establishment schemes that employ asymmetric cryptographic techniques. The arithmetic operations involved in the operation of the schemes take place in the algebraic structure of an elliptic curve over a finite field. Both key agreement and key transport schemes are specified. The schemes may be used by two parties to compute shared keying data that may then be used by symmetric schemes to provide cryptographic services, e.g., data confidentiality and data integrity.

BSR X9.82-4-2011 (R201x), Random Number Generation - Part 4: Random Bit Generator Constructions (reaffirmation of ANSI X9.82-4-2011)

Stakeholders: Financial institutions, networks, acquirers, processors, and merchants.

Project Need: To specify the requirements and assurance considerations for deterministic random-bit generators that are used in financial applications.

This Standard defines techniques for the generation of random numbers that shall be used whenever ASC X9 Standards require the use of random number or bitstring for cryptographic purposes. Part 4 specifies how to build complete random-bit generators from the mechanisms in X9.82 Part 2 and Part 3.

BSR X9.97-1-2009 (R201x), Secure Cryptographic Devices (Retail) - Part 1: Concepts, Requirements and Evaluation Methods (reaffirmation of ANSI X9.97-1-2009)

Stakeholders: Financial institutions, processors, acquirers, and hardware and software providers to these stakeholders.

Project Need: The retail banking industry has recently documented losses from ATM and POS frauds, which were successfully accomplished due to non-compliant TRSMs. The TRSMs involved, which were successfully attacked, were included on "network-approved device lists". As mentioned in Attachment A, the networks and financial institutes rely on manufacturers' self-attestations of their products. It is evident that this method of evaluation is flawed due to the absence of independence and evaluation criteria.

X9.97 specifies the requirements for Secure Cryptographic Devices, which incorporate the cryptographic processes defined in ISO 9564, ISO 16609, and ISO 11566. Has two primary purposes: (1) To state the requirements concerning both the operational characteristics of SCDs and the management of such devices throughout all stages of their life cycle and (2) To standardize the methodology for verifying compliance with those requirements.

BSR X9.98-2010 (R201x), Lattice-Based Polynomial Public Key Encryption Algorithm - Part 1: Key Establishment; Part 2: Data Encryption (reaffirmation of ANSI X9.98-2010)

Stakeholders: Financial services industry.

Project Need: The financial services industry will benefit from a fast public-key encryption algorithm that offers high security, yet has low processing requirements.

This Standard specifies the cryptographic functions for establishing symmetric keys using a lattice-based polynomial public key encryption algorithm and the associated parameters for key generation. The mechanism supported is key transport, where one party selects keying material and conveys it to the other party with cryptographic protection. The keying material may consist of one or more individual keys used to provide other cryptographic services outside the scope of this Standard, e.g., data confidentiality, data integrity, or symmetric-key-based key establishment. The standard also specifies key pair generators and corresponding key pair validation methods supporting the key transport schemes.

BSR X9.92 Part 1-2009 (R201x), Public Key Cryptography for the Financial Services Industry Digital Signature Algorithms Giving Partial Message Recovery - Part 1: Elliptic Curve Pintsov-Vanstone Signatures (ECPVS) (reaffirmation of ANSI X9.92 Part 1-2009)

Stakeholders: Financial services industry.

Project Need: A standard is needed that addresses the financial institution requirements of message integrity and non-repudiation in the rapidly expanding wireless (mobile) communications environment. In this environment, the more telecommunications bandwidth (i.e., telecommunications time) that is used, the higher the cost to the institution. This directly affects bottom-line profitability.

This Standard defines methods for digital signature generation and verification for the protection of messages and data giving partial message recovery. This document is Part 1 of this Standard, and it defines the Elliptic Curve Pintsov-Vanstone Signature (ECPVS) digital signature algorithm. Part 2 of this Standard defines the Finite Field Pintsov-Vanstone Signature (FFPVS) digital signature algorithm. ECPVS is a signature scheme with low message expansion (overhead) and variable length recoverable and visible message parts. ECPVS is ideally suited for short messages, yet is flexible enough to handle messages of any length. The ECPVS shall be used in conjunction with an Approved hash function and an Approved symmetric encryption scheme. In addition, this ECPVS Standard provides the criteria for checking the message redundancy. Supporting examples are also provided.

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 WK56474-201x, New Specification for Special Inspections of Life Safety Items in Construction (new standard)

Stakeholders: New specification for special inspections of life safety items in construction.

Project Need: This standard is to be used to provide uniform methods and requirements for special inspections specified in Chapter 17 and Chapter 1 and other chapters of National Building Codes as adopted by State and Local Building Officials. Requirements for inspection agencies, inspection personnel, certifications, accreditations, inspection procedures, and acceptances are specified.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK56474.htm>

AWI (Architectural Woodwork Institute)

Office: 46179 Westlake Drive, Ste 120
Potomac Falls, VA 20165

Contact: *Ashley Goodin*

E-mail: agoodin@awinet.org

BSR/AWI 0620-201x, Finish Carpentry/Installation (new standard)

Stakeholders: Woodwork manufacturers, suppliers, design professionals, general contractors.

Project Need: Provides standards for the quality and fitment in the field installation of architectural woodwork and related interior finishes.

Standards for the installation of wood trim, paneling, casework, integrated door systems, countertops, and other related interior finishes. Includes seismic installation.

BSR/AWI 0622-201x, Millwork (new standard)

Stakeholders: Woodwork manufacturers, suppliers, design professionals, general contractors.

Project Need: Creates standards for standard pattern wood trim and mouldings.

Provides standards for the production of standard pattern wood trim and mouldings and creates a uniform numbering and designation for use in the reference and specification of such standard patterns and profiles.

BSR/AWI 0641-201x, Architectural Wood Casework (new standard)

Stakeholders: Woodwork manufacturers, suppliers, design professionals, general contractors.

Project Need: Provides standards for the aesthetic and structural performance of project-specific architectural wood casework.

Includes both aesthetic performance and structural performance criteria for architectural wood casework designed and produced for specific construction projects.

BSR/AWI 0642-201x, Wood Paneling (new standard)

Stakeholders: Woodwork manufacturers, suppliers, design professionals, general contractors.

Project Need: Creates standards for shop-fabricated wall paneling.

Provides standards for wood wall paneling composed of solid wood, wood veneer applied to core materials, melamine clad wall panels, and high pressure decorative laminate clad panels. Includes standards for matching of veneers and panels within building areas.

BSR/AWI 0646-201x, Wood Trim (new standard)

Stakeholders: Woodwork manufacturers, door manufacturers, suppliers, design professionals, general contractors.

Project Need: Creates standards for shop-fabricated standing and running trim.

Creates standards for the shop fabricated standing and running trim typically designed and utilized for a specific project.

BSR/AWI 0648-201x, Wood Frames (new standard)

Stakeholders: Woodwork manufacturers, door manufacturers, suppliers, design professionals, general contractors.

Project Need: Standards for the fabrication of wood frames for doors.

Provides standards for the fabrication of wood frames for doors, transoms, sidelights, borrowed lights, and stick-built interior windows.

BSR/AWI 0661-201x, Cast Polymer Fabrications (new standard)

Stakeholders: Woodwork manufacturers, solid surface manufacturers, suppliers, design professionals, general contractors.

Project Need: Creates standards for cast polymer and solid surface fabrication and installation.

Creates standards for the fabrication and installation of cast polymers such as cultured marble, quartz surfacing, and solid surface.

BSR/AWI 0817-201x, Integrated Door Opening Assemblies (new standard)

Stakeholders: Woodwork manufacturers, door manufacturers, suppliers, design professionals, general contractors.

Project Need: Creates standards for the integration of doors into architectural millwork installations.

Creates standards for the aesthetic integration of doors and door systems into interior millwork assemblies. This standard will reference and be harmonized with ANSI/WDMA standards for construction of the doors included in such assemblies.

BSR/AWI 1232-201x, Manufactured Wood Casework (new standard)

Stakeholders: Woodwork manufacturers, suppliers, design professionals, general contractors.

Project Need: Creates standards of aesthetic performance and structural performance for manufactured wood casework.

Provides aesthetic performance and structural performance standards for manufactured wood casework. Such casework is typically produced in stock incremental measurements and available by manufacturer's product line catalogs.

BSR/AWI 1235-201x, Specialty Casework (new standard)

Stakeholders: Woodwork manufacturers, suppliers, design professionals, general contractors.

Project Need: Creates standards of aesthetic performance and structural performance for casework utilized in institutional settings.

Creates aesthetic performance and structural performance standards for casework utilized in institutional environments such as healthcare, education, and laboratories.

BSR/AWI 1236-201x, Countertops (new standard)

Stakeholders: Woodwork manufacturers, suppliers, design professionals, general contractors.

Project Need: Creates aesthetic and performance standards for countertops.

Provides aesthetic and performance standards for various countertop materials including but not limited to wood, plastic-laminate clad, solid surface, natural and synthetic stone, and phenolic.

BSR/AWI SMA 0643-201x, Wood Stairs and Railings (new standard)

Stakeholders: Woodwork manufacturers, stair manufacturers, suppliers, design professionals, general contractors.

Project Need: Provides standards for the construction of wood stairs and railings.

Creates standards for wood stairs and railings including but not limited to components, connections, and non-wood materials included integrated into the stair, rail, and guard assemblies.

AWS (American Welding Society)

Office: 8669 NW 36 Street, #130
Miami, FL 33166

Contact: *Stephen Hedrick*

E-mail: steveh@aws.org

BSR/AWS B5.2-201X, Specification for the Training, Qualification, and Company Certification of Welding Inspector Specialists and Welding Inspector Assistants (new standard)

Stakeholders: Welding inspectors, supervisors of welding inspectors, employers of welding inspectors

Project Need: This standard provides the minimum requirements for for the training, qualification, and company certification of welding inspector specialists and welding inspector assistants.

This specification defines the requirements and program for an employer (company) to train, qualify, and company certify Welding Inspector Specialists and Welding Inspector Assistants to contract or industry-specific inspector standards. The program is developed as a written practice and controlled by an employer. The qualification requires documentation of experience, training, and satisfactory completion of an examination.

BICSI (Building Industry Consulting Service International)

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Tampa, FL 33637

Contact: *Jeff Silveira*

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BSR/BICSI 004-201X, Information and Communication - Technology Systems Design and Implementation - Best Practices for Healthcare Institutions and Facilities (revision of ANSI/BICSI 004-2013)

Stakeholders: ICT system designers; implementers and integrators; IT professionals; healthcare engineers; professionals within the healthcare vertical involved with ICT system design, procurement, management, or operation.

Project Need: Updates to keep standard current with industry and system requirements and trends.

This Standard specifies design and installation requirements for telecommunications information technology systems within a healthcare building and between healthcare buildings in a campus environment. It defines terms and recommends cabling types and topology while also providing additional useful systems information and guidance on coordination between design and construction disciplines.

CTA (Consumer Technology Association)

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Arlington, VA 22202

Contact: *Veronica Lancaster*

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* **BSR/CTA 708.1-2012 (R201x), Closed Captioning for 3D Video (reaffirmation of ANSI/CTA 708.1-2012)**

Stakeholders: Consumers, retailers, manufacturers.

Project Need: Reaffirm CTA 708.1.

This standard describes how to encode closed captioning for 3D video in CEA-708 caption services.

* **BSR/CTA 2038-2012 (R201x), Command-Driven IR-Synchronized Active Eyewear Standard (reaffirmation of ANSI/CTA 2038-2012)**

Stakeholders: Consumers, retailers, manufacturers

Project Need: Reaffirm CTA 2038.

This standard describes a standard for eyewear that is required to view 3D content from displays. This document relates to both active and passive eyewear used in 3D consumer electronic systems in the home. In the case of active glasses, it standardizes interfaces, signaling, setup, control, and polarization.

EOS/ESD (ESD Association, Inc.)

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Rome, NY 13440

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E-mail: cearl@esda.org

BSR/ESD STM11.31-201x, ESD Association Standard Test Method for Evaluating the Performance of Electrostatic Discharge Shielding Materials - Bags (revision of ANSI/ESD STM11.31-1994 (R2012))

Stakeholders: Electronics industry including telecom, consumer, medical, and industrial.

Project Need: The purpose of this standard test method is to ensure that testing labs, bag manufacturers, and end users of bags, using this test method to evaluate a given packaging material, will obtain similar results.

This standard test method evaluates the performance of electrostatic discharge shielding bags. The design voltage for the test apparatus is 1000 volts.

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

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Mokena, IL 60448

Contact: Conrad Jahrling

Fax: (708) 479-6139

E-mail: conrad.jahrling@asse-plumbing.org

BSR/ASSE 1085-201x, Tankless water heaters with integral scald and thermal shock protection for plumbed emergency equipment (new standard)

Stakeholders: Plumbing Industry, commercial building construction industry, OSHA.

Project Need: Tankless water heaters are proliferating the plumbing industry. This standard is to give performance criteria to those devices when installed in lieu of an ASSE-1071 device for equipment such as eyewash, eye/face wash, and drench showers.

These devices shall consist of a cold-water inlet connection, an outlet connection providing water of a controlled temperature, thermal-generating element(s), and a means for adjusting the outlet temperature while in service. The device shall also have a means to limit the maximum outlet temperature under normal operating conditions. Provisions shall be made so that the temperature cannot be inadvertently adjusted.

IEEE (Institute of Electrical and Electronics Engineers)

Office: 445 Hoes Lane
Piscataway, NJ 08854-4141

Contact: Lisa Weisser

E-mail: l.weisser@ieee.org

BSR/IEEE 516-20XX, Guide for Maintenance Methods on Energized Power Lines (revision of ANSI/IEEE 516-2009)

Stakeholders: The stakeholders for the project are electric utility and contractor line workers.

Project Need: The reason for this project is to update the guide to include latest developments in line work and make the document more user friendly.

This guide provides the general recommendations for performing maintenance work on energized power lines. It is not intended to include all of the proven practical methods and procedures; however, these selected comprehensive recommendations are based on sound engineering principles, engineering safety considerations, and field experience by many utilities. Included are technical explanations as required to cover certain laboratory testing of tools and equipment, in-service inspection, maintenance and care of tools and equipment, and work methods for the maintenance of energized lines for persons working in vicinity of energized lines.

BSR/IEEE 605-201x, Guide for Bus Design in Air Insulated Substations (new standard)

Stakeholders: Engineers associated with the design and engineering.

Project Need: The new revision of IEEE 605 will provide a second method to calculate forces using the Load Resistant Factor Design [LRFD] approach (in addition to Allowable bus Design [ASD]) to be consistent with ASCE. It will also update the ampacity tables in an annex, and make general corrections and updates throughout the document.

This design guide provides direction for the substation engineer in the design of air insulated substations. It provides information on typical bus arrangements including various criteria necessary to develop bus arrangement decisions. It is applicable to both rigid bus and strain bus designs for outdoor and indoor, air-insulated, alternating current substations. It includes a method to calculate ampacity for electrical bus and ampacity tables for typical bus types and sizes. It also provides design criteria and a method to calculate electromechanical forces on insulators and bus resulting from gravity, wind, ice, short-circuit forces, and thermal expansion.

BSR/IEEE 1250-201x, Guide for Identifying and Improving Voltage Quality in Power Systems (revision of ANSI/IEEE 1250-2011)

Stakeholders: Utilities, industrial customers, power quality practitioners.

Project Need: To add implications of power quality and grid modernization technology. Also, we will add a reference to IEEE 1668, and an appendix with all of the documents referenced throughout. The working group will review for editorial changes.

The reader of this guide will find discussions of ways to identify and improve voltage quality in power systems, as well as references to publications in this area. More specifically, this guide includes: (a) Voltage quality levels from benchmarking studies; (b) Factors that affect power system performance; (c) Mitigation measures that improve power system performance; (d) References to current relevant in-depth IEEE standards and other documents. This guide only addresses subjects in depth where no other power quality reference does so. It is a "gateway" document for power quality that points the way to other documents in this field.

BSR/IEEE 1491-201x, Recommended Practice for Battery Monitoring in Stationary Applications (new standard)

Stakeholders: Stakeholders of this project would be battery manufacturers, battery monitoring equipment manufacturers, battery installation and services companies, end users of this equipment and related services, and the battery engineering community at large.

Project Need: The guide document provided information on selecting a battery monitoring system, but did not provide information regarding use of specific parameters as they relate to the specific battery chemistry and construction. The recommended practice is intended to provide more detailed and specific information as it relates to not only the battery chemistry, but also to the application.

This recommended practice provides specific recommendations for selection and application of parameters for monitoring Valve-Regulated Lead-Acid (VRLA), Vented Lead-Acid (VLA) and Nickel-Cadmium (Ni-Cd) battery systems in stationary applications. The monitoring of battery systems utilizing emerging energy storage technologies (such as lithium, sodium, flow batteries, etc.) are beyond the scope of this recommended practice. This recommended practice also contains several informative annexes. These provide additional tutorial information relating to topics introduced in the body of the document.

BSR/IEEE 1547-201x, Standard for Interconnection and Interoperability of Distributed Energy Resources with Associated Electric Power Systems Interfaces (revision of ANSI/IEEE 1547-2003 (R2008))

Stakeholders: Stakeholders include: electric power system owners, planners, designers, and operators; electricity consumers; equipment manufacturers; system integrators; distributed energy resource personnel, energy efficiency and demand response personnel, and regulatory and government bodies.

Project Need: Since IEEE 1547's initial publication in 2003, there has been the grassroots development of new interconnection lessons learned and engineering practices in the real world of smart grid implementation. Now, 10 years later, IEEE 1547 is ready for a comprehensive refresh, even as the existing standard continues to inform interconnection and deployment of distributed generation in markets globally and continues to grow into a series of standards addressing advanced operations and emerging market needs.

This standard establishes criteria and requirements for interconnection of distributed energy resources (DER) with electric power systems (EPS) and associated interfaces.

BSR/IEEE C62.23-201x, Application Guide for Surge Protection of Electric Generating Plants (revision of ANSI/IEEE C62.23-2001)

Stakeholders: Electric utilities, power engineers, electric power consultants, substation designers, and manufacturers of electrical equipment.

Project Need: There are no other existing U.S. or international guides or standards for surge protection of electric generating plants as an integrated and interacting whole.

This guide covers surges entering an electric generating plant via transmission and distribution lines and methods to reduce them; methods of protecting indoor and outdoor equipment, controls and communication systems within the plant switchyard, the plant proper and ancillary facilities within the premises such as fuel, ash, water, cooling, weather and warning systems, against direct strokes, incoming and internally generated surges.

SCTE (Society of Cable Telecommunications Engineers)

Office: 140 Philips Road
Exton, PA 19341-1318

Contact: *Rebecca Yaletchko*

Fax: (610) 363-5898

E-mail: ryaletchko@scte.org

BSR/SCTE 11-201x, Test Method for Aerial Cable Corrosion Protection Flow (revision of ANSI/SCTE 11-2012)

Stakeholders: Cable Telecommunication industry.

Project Need: Update to current technology.

This test is to determine that moisture blocking material used in cables intended for indoor and aerial applications does not flow or drip out of the cable.

SSPC (The Society for Protective Coatings)

Office: 40 24th Street 6th Floor
Pittsburgh, PA 15235-4656

Contact: *Aimee Beggs*

Fax: (412) 281-9993

E-mail: beggs@sspc.org

BSR/SSPC-CS 23.00/AWS C2.23M/C2.23/NACE No. 12-201x, Specification for the Application of Thermal Spray Coatings (Metallizing) of Aluminum, Zinc, and Their Alloys and Composites for the Corrosion Protection of Steel (new standard)

Stakeholders: Stakeholders include government and private facilities owning structures that are coated with thermal spray coatings, specifiers of thermal spray coatings application projects, contractors who apply thermal spray coatings, thermal spray coating inspectors, and manufacturers of thermal spray application equipment and supplies.

Project Need: Need for a standard procedure and evaluation criteria for thermal spray coating application for specifiers to reference in project specifications in order to obtain optimum performance from these coatings.

This joint standard is a procedure for the application of metallic thermal spray coating (TSCs) of aluminum, zinc, and their alloys and composites for the corrosion protection of steel. Included are requirements for surface preparation, coating application, repair of coating defects, measurement of coating thickness, adhesion testing of the applied coating, and application of sealers and topcoats over the thermally sprayed metal coating. Not included in this standard are requirements for design and fabrication, thermal spray equipment qualification, coating selection, and operator and inspector certification.

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Peachtree Corners, GA 30092

Contact: *Laurence Womack*

Fax: (770) 446-6947

E-mail: standards@tappi.org

BSR/TAPPI T 414 om-201x, Internal tearing resistance of paper (Elmendorf-type method) (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 measures the force perpendicular to the plane of the paper required to tear multiple plies through a specified distance after the tear has been started using an Elmendorf-type tearing tester. It does not measure edge-tear resistance. The measured results may be used to calculate the approximate tearing resistance of a single sheet. It is not suitable for single-ply tear testing.

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.

<p>AAMI Association for the Advancement of Medical Instrumentation (AAMI) 4301 N. Fairfax Dr., Ste 301 Suite 301 Arlington, VA 22203-1633 Phone: (703) 253-8263 Fax: (703) 276-0793 Web: www.aami.org</p>	<p>ASTM ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9744 Fax: (610) 834-3683 Web: www.astm.org</p>	<p>ESTA Entertainment Services and Technology Association 630 Ninth Avenue Suite 609 New York, NY 10036-3748 Phone: (212) 244-1505 Fax: (212) 244-1502 Web: www.esta.org</p>	<p>NPES (ASC CGATS) NPES 1899 Preston White Drive Reston, VA 20191 Phone: (703) 264-7200 Fax: (703) 620-0994 Web: www.npes.org</p>
<p>AIIM Association for Information and Image Management 1100 Wayne Avenue Suite 1100 Silver Spring, MD 20910 Phone: (301) 755-2682 Fax: (240) 494-2682 Web: www.aiim.org</p>	<p>AWI Architectural Woodwork Institute 46179 Westlake Drive, Ste 120 Potomac Falls, VA 20165 Phone: (571) 323-3636 Web: www.awinet.org</p>	<p>HL7 Health Level Seven 3300 Washtenaw Avenue Suite 227 Ann Arbor, MI 48104 Phone: (734) 677-7777 Fax: (734) 677-6622 Web: www.hl7.org</p>	<p>NSF NSF International 789 N. Dixboro Road Ann Arbor, MI 48105-9723 Phone: (734) 827-5643 Fax: (734) 827-7880 Web: www.nsf.org</p>
<p>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</p>	<p>AWS American Welding Society 8669 NW 36 Street, #130 Miami, FL 33166 Phone: (305) 443-9353 Web: www.aws.org</p>	<p>HPS (ASC N13) Health Physics Society 1313 Dolley Madison Blvd Suite 402 McLean, VA 22101 Phone: (703) 790-1745 Fax: (703) 790-2672 Web: www.hps.org</p>	<p>PMMI (Organization) PMMI - The Association for Packaging and Freezing Technologies 11911 Freedom Drive Suite 600 Reston, VA 20190 Phone: (269) 781-6567 Fax: (269) 781-6966 Web: www.pmmi.org</p>
<p>ASABE American Society of Agricultural and Biological Engineers 2950 Niles Road St Joseph, MI 49085 Phone: (269) 932-7027 Fax: (269) 429-3852 Web: www.asabe.org</p>	<p>AWWA American Water Works Association 6666 W. Quincy Ave. Denver, CO 80235 Phone: (303) 347-6178 Fax: (303) 795-7603 Web: www.awwa.org</p>	<p>IAPMO (ASSE Chapter) ASSE International Chapter of IAPMO 18927 Hickory Creek Dr Suite 220 Mokena, IL 60448 Phone: (708) 995-3017 Fax: (708) 479-6139 Web: www.asse-plumbing.org</p>	<p>RIA Robotics Industries Association 900 Victors Way Suite 140 Ann Arbor, MI 48108-5210 Phone: (734) 218-0509 Web: www.robotics.org</p>
<p>ASC X9 Accredited Standards Committee X9, Incorporated 275 West Street Suite 107 Annapolis, MD 21401 Phone: (410) 267-7707 Web: www.x9.org</p>	<p>BICSI Building Industry Consulting Service International 8610 Hidden River Parkway Tampa, FL 33637 Phone: (813) 903-4712 Fax: (813) 971-4311 Web: www.bicsi.org</p>	<p>IEEE Institute of Electrical and Electronics Engineers 445 Hoes Lane Piscataway, NJ 08854-4141 Phone: (732) 981-2864 Web: www.ieee.org</p>	<p>SCTE Society of Cable Telecommunications Engineers 140 Philips Road Exton, PA 19341-1318 Phone: (480) 252-2330 Fax: (610) 363-5898 Web: www.scte.org</p>
<p>ASCE American Society of Civil Engineers 1801 Alexander Bell Dr Reston, VA 20191 Phone: 703-295-6176 Web: www.asce.org</p>	<p>CTA Consumer Technology Association 1919 South Eads Street Arlington, VA 22202 Phone: (703) 907-7697 Fax: (703) 907-4197 Web: www.ce.org</p>	<p>InfoComm InfoComm International 11242 Waples Mill Road Suite 200 Fairfax, VA 22030 Phone: (703) 279-2164 Web: www.infocomm.org</p>	<p>SSPC The Society for Protective Coatings 40 24th Street, 6th Floor Pittsburgh, PA 15235-4656 Phone: (412) 281-2331, ext.2223 Fax: (412) 281-9993 Web: www.sspc.org</p>
<p>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</p>	<p>ECIA Electronic Components Industry Association 2214 Rock Hill Road Suite 265 Herndon, VA 20170-4212 Phone: (571) 323-0294 Fax: (571) 323-0245 Web: www.ecianow.org</p>	<p>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</p>	<p>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</p>
<p>EOS/ESD ESD Association 7900 Turin Rd., Bldg. 3 Rome, NY 13440 Phone: (315) 339-6937 Fax: (315) 339-6793 Web: www.esda.org</p>	<p>UL Underwriters Laboratories, Inc. 12 Laboratory Drive Research Triangle Park, NC 27709-3995 Phone: (919) 549-1851 Web: www.ul.com</p>		



IEC Draft International Standards

This section lists proposed standards that the International Electrotechnical Commission (IEC) is considering for approval. The proposals have received substantial support within the technical committees or subcommittees that developed them and are now being circulated to 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 IEC documents should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (tzertuche@ansi.org). The final date for offering comments is listed after each draft.

Ordering Instructions

IEC Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an 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.

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- 21A/617/FDIS, IEC 62619: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries, for use in industrial applications, 12/30/2016
- 22G/347/FDIS, IEC 61800-3 Ed.3: Adjustable speed electrical power drive systems - Part 3: EMC requirements and specific test methods, 12/30/2016
- 23H/368/FDIS, IEC 60309-5 Ed.1: Plugs, socket-outlets and couplers for industrial purposes - Part 5: Dimensional compatibility and interchangeability requirements for plugs, socket-outlets, ship connectors and ship inlets for low-voltage shore connection systems (LVSC), 12/30/2016
- 34B/1887/FDIS, Amendment 1 to IEC 60238 Ed.9: Edison screw lampholders, 12/30/2016
- 45A/1112/CDV, IEC 60744 Ed.2: Nuclear power plants - Instrumentation and control systems important to safety - Safety logic assemblies used in systems performing category A functions: Characteristics and test methods, 02/10/2017
- 45A/1113/CDV, IEC 60709 Ed.3: Nuclear power plants - Instrumentation, control and electrical systems important to safety - Separation, 02/10/2017
- 45A/1126/CD, IEC 62003 Ed.2: Nuclear power plants - Instrumentation, control and electrical systems important to safety - Requirements for electromagnetic compatibility testing, 02/10/2017
- 65B/1059/CDV, IEC 61207-3 Ed. 3.0 Expression of Performance of Gas Analyzers - Part 3: Paramagnetic oxygen analysers, 02/10/2017
- 65B/1061/CDV, IEC 62828-3 Ed. 1.0 Reference conditions and procedures for testing industrial measurement transmitters - Part 3: Specific procedures for temperature transmitters, 02/10/2017
- 77B/766B/CD, IEC 61000-4-20: Electromagnetic compatibility (EMC) - Part 4-20: Testing and measurement techniques - Emission and immunity testing in transverse electromagnetic (TEM) waveguides, 01/06/2017
- 86C/1425/CD, IEC 62343-3-4/Ed1: Dynamic modules - Part 3-4: Performance specification templates - Multicast optical switches, 02/10/2017
- 121A/118/CD, IEC 60947-5-2 Ed.4: Low-voltage switchgear and controlgear - Part 5-2: Control circuit devices and switching elements - Proximity switches, 02/10/2017
- 2/1848/CDV, IEC 60034-27-4 Ed.1: Rotating electrical machines - Part 27-4: Measurement of insulation resistance and polarization index of winding insulation of rotating electrical machines, 02/10/2017
- 29/919/CDV, IEC 60942: Electroacoustics - Sound calibrators (Revision of IEC 60942:2003), 02/10/2017
- 9/2227/CD, IEC 62912-2 Ed.1: Railway applications - Direct current signalling monostable relays - Part 2: Monostable relays of spring type, 02/10/2017
- 105/630/NP, 62282-XX-101: Fuel cell technologies - Part 101: Evaluation methodology for the environmental performance of fuel cell power systems based on life cycle thinking - Streamlined life-cycle considered environmental performance characterization of stationary fuel cell power systems for residential applications 62282-XX-102: Fuel cell technologies - Part 102: Evaluation methodology for the environmental performance of fuel cell power systems based on life cycle thinking - Product category rules for environmental product declarations of stationary fuel cell power systems and alternative systems for residential applications, 02/10/2017
- 110/816/FDIS, IEC 62341-6-1 Ed.2: Organic light emitting diode (OLED) displays - Part 6-1: Measuring methods of optical and electro-optical parameters, 12/30/2016
- 113/349/CD, IEC TS 62607-6-3: Nanomanufacturing - Key control characteristics - Part 6-3: Graphene-Characterization of CVD graphene domains, 02/10/2017
- 116/309/FDIS, IEC 62841-3-13/Ed1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-13: Particular requirements for transportable drills, 12/30/2016
- 119/126/CD, IEC 62899-302-2 Ed.1: Printed Electronics - Part 302-2: Equipment - Inkjet - Imaging based measurement of droplet volume, 01/13/2017
- 13/1708/CDV, IEC 62056-8-5 Ed1: Electricity metering data exchange - The DLMS/COSEM suite - Part 8-5: Narrow-band OFDM G3-PLC communication profile for neighbourhood networks, 02/10/2017
- 20/1668/CDV, IEC 62893-1: Charging cables for electric vehicles of rated voltages up to and including 0,6/1 kv - Part 1: General requirements, 02/10/2017
- 20/1669/CDV, IEC 62893-2: Charging cables for electric vehicles for rated voltages up to and including 0,6/1 kV - Part 2: Test methods, 02/10/2017

- 20/1670/CDV, IEC 62893-3: Charging cables for electric vehicles of rated voltages up to and including 0,6/1 kV - Part 3: Cables for a.c. charging according to modes 1, 2 and 3 of IEC 61851-1 of rated voltages up to and including 450/750 V, 02/10/2016
- 20/1671/CDV, IEC 62930: Electric cables for photovoltaic systems with a voltage rating of 1,5 kV d.c., 02/10/2017
- 27/1000/DTS, IEC/TS 62997 Ed.1: Industrial electroheating and electromagnetic processing equipment - Evaluation of hazards caused by magnetic nearfields from 1 Hz to 6 MHz, 02/10/2017
- 31/1293/Q, Revision of IEC 60050-426 Edition 2: International Electrotechnical Vocabulary - Part 426: Equipment for explosive atmospheres, 12/30/2016
- 56/1713/FDIS, IEC 60300-3-3/Ed3: Dependability management - Part 3-3: Application guide - Life cycle costing, 12/30/2016
- 56/1714/FDIS, IEC 61709/Ed3: Electric components - Reliability - Reference conditions for failure rates and stress models for conversion, 01/20/2017
- 57/1789/FDIS, IEC 62325-451-1 Ed.2: Framework for energy market communications - Part 451-1: Acknowledgement business process and contextual model for CIM European market, 12/30/2016
- 61/5287/CDV, IEC 60335-2-4-A2/Ed 6, Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors, 02/10/2017
- 61/5288/CDV, IEC 60335-2-5-A1/Ed6: Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors, 02/10/2017
- 61/5289/CDV, IEC 60335-2-6-A1/Ed6: Household and similar electrical appliances - Safety - Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances, 02/10/2017
- 61/5290/CDV, IEC 60335-2-43/Ed4: Household and similar electrical appliances - Safety - Part 2-43: Particular clothes dryers and towel rails, 02/10/2017
- 61/5291/CDV, IEC 60335-2-58/Ed4: Household and similar electrical appliances - Safety - Part 2-58: Particular requirements for commercial electric dishwashing machines, 02/10/2017
- 61/5292/CDV, IEC 60335-2-81-A1/Ed3: Household and similar electrical appliances - Safety - Particular requirements for foot warmers and heating mats, 02/10/2017
- 61/5293/CDV, IEC 60335-2-82/Ed3: Household and similar electrical appliances - Safety - Part 2-82: Particular requirements for amusement machines and personal service machines, 02/10/2017
- 61/5294/CDV, IEC 60335-2-95-A2/Ed3: Household and similar electrical appliances - Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use, 02/10/2017
- 61/5295/CDV, IEC 60335-2-102/Ed2: Household and similar electrical appliances - Safety - Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections, 02/10/2017
- 61/5296/CDV, IEC 60335-2-103-A1/Ed3: Household and similar electrical appliances - Safety - Part 2-103: Particular requirements for drives for gates, doors and windows, 02/10/2017
- 61/5310/FDIS, IEC 60335-2-53/A1/Ed4: Household and similar electrical appliances - Safety - Part 2-53: Particular requirements for sauna heating appliances and infrared cabins, 12/30/2016
- 89/1350/FDIS, IEC 60695-1-30/Ed3: Fire hazard testing Part 1-30: Guidance for assessing the fire hazard of electrotechnical products - Preselection testing process - General guidelines, 12/30/2016
- 100/2841/DC, Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 5: Non-linear PCM bitstreams according to the DTS (DigitalTheater Systems) format(s) (TA 4), 12/30/2016
- CISPR/1360/DC, Draft TR on Environment Definitions, 12/30/2016
- CISPR/1361/DC, Wearable Smart Devices(WSD)/Application of Robot Technology, 12/30/2016
- CISPR/1362/DC, Surge Transient Generators to IEC 61000-4-5, 12/30/2016



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

AIRCRAFT AND SPACE VEHICLES (TC 20)

[ISO 8575:2016](#), Aerospace - Fluid systems - Hydraulic system tubing, \$88.00

[ISO 17666:2016](#), Space systems - Risk management, \$149.00

[ISO 18257:2016](#), Space systems - Semiconductor integrated circuits for space applications - Design requirements, \$149.00

BUILDING CONSTRUCTION (TC 59)

[ISO 16757-2:2016](#), Data structures for electronic product catalogues for building services - Part 2: Geometry, \$265.00

CERAMIC TILE (TC 189)

[ISO 10545-13:2016](#), Ceramic tiles - Part 13: Determination of chemical resistance, \$88.00

FIRE SAFETY (TC 92)

[ISO 16312-1:2016](#), Guidance for assessing the validity of physical fire models for obtaining fire effluent toxicity data for fire hazard and risk assessment - Part 1: Criteria, \$88.00

FLOOR COVERINGS (TC 219)

[ISO 20253:2016](#), Textile floor coverings - Blade test - Flocked textile floor covering, \$51.00

GEARS (TC 60)

[ISO 23509:2016](#), Bevel and hypoid gear geometry, \$265.00

GRAPHIC TECHNOLOGY (TC 130)

[ISO 16762:2016](#), Graphic technology - Post-press - General requirements for transfer, handling and storage, \$123.00

IMPLANTS FOR SURGERY (TC 150)

[ISO 21535/Amd1:2016](#), Non-active surgical implants - Joint replacement implants - Specific requirements for hip-joint replacement implants - Amendment 1, \$22.00

[ISO 5832-7:2016](#), Implants for surgery - Metallic materials - Part 7: Forgeable and cold-formed cobalt-chromium-nickel-molybdenum-iron alloy, \$51.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

[ISO 8000-61:2016](#), Data quality - Part 61: Data quality management: Process reference model, \$149.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO 14490-7:2016](#), Optics and photonics - Test methods for telescopic systems - Part 7: Test methods for limit of resolution, \$88.00

PACKAGING (TC 122)

[ISO 19709-1:2016](#), Transport packaging - Small load container systems - Part 1: Common requirements and test methods, \$123.00

PAINTS AND VARNISHES (TC 35)

[ISO 15741:2016](#), Paints and varnishes - Friction-reduction coatings for the interior of on- and offshore steel pipelines for non-corrosive gases, \$149.00

PAPER, BOARD AND PULPS (TC 6)

[ISO 18522:2016](#), Paper and board - Automated off-line testing of physical properties for CD (cross direction) profiles, \$173.00

ROAD VEHICLES (TC 22)

[ISO 18300:2016](#), Electrically propelled vehicles - Test specifications for lithium-ion battery systems combined with lead acid battery or capacitor, \$123.00

[ISO 8820-4:2016](#), Road vehicles - Fuse-links - Part 4: Fuse-links with female contacts (type A) and bolt-in contacts (type B) and their test fixtures, \$123.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

[ISO 3078:2016](#), Shipbuilding - Cargo winches, \$88.00

[ISO 19354:2016](#), Ships and marine technology - Marine cranes - General requirements, \$123.00

[ISO 19357:2016](#), Ships and marine technology - Marine cranes - Design requirements for low temperature operation, \$88.00

[ISO 19360:2016](#), Ships and marine technology - Marine cranes - Technical requirements for rigging applications, \$88.00

[ISO 19030-1:2016](#), Ships and marine technology - Measurement of changes in hull and propeller performance - Part 1: General principles, \$173.00

[ISO 19030-2:2016](#), Ships and marine technology - Measurement of changes in hull and propeller performance - Part 2: Default method, \$200.00

[ISO 19030-3:2016](#), Ships and marine technology - Measurement of changes in hull and propeller performance - Part 3: Alternative methods, \$123.00

SMALL TOOLS (TC 29)

[ISO 238:2016](#), Reduction sleeves and extension sockets for tools with Morse taper shanks, \$88.00

[ISO 1711-1:2016](#), Assembly tools for screws and nuts - Technical specifications - Part 1: Hand-operated wrenches and sockets, \$51.00

[ISO 1711-2:2016](#), Assembly tools for screws and nuts - Technical specifications - Part 2: Machine-operated sockets (impact), \$51.00

SOLID MINERAL FUELS (TC 27)

[ISO 622:2016](#), Solid mineral fuels - Determination of phosphorus content - Reduced molybdophosphate photometric method, \$51.00

[ISO 11723:2016](#), Solid mineral fuels - Determination of arsenic and selenium - Eschkas mixture and hydride generation method, \$51.00

[ISO 15237:2016](#), Solid mineral fuels - Determination of total mercury content of coal, \$51.00

[ISO 15238:2016](#), Solid mineral fuels - Determination of total cadmium content of coal, \$51.00

SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

[ISO 20957-4:2016](#), Stationary training equipment - Part 4: Strength training benches, additional specific safety requirements and test methods, \$51.00

TEXTILES (TC 38)

[ISO 12947-2:2016](#), Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 2: Determination of specimen breakdown, \$123.00

THERMAL INSULATION (TC 163)

[ISO 18523-1:2016](#), Energy performance of buildings - Schedule and condition of building, zone and space usage for energy calculation - Part 1: Non-residential buildings, \$265.00

TIMBER (TC 218)

[ISO 13061-13:2016](#), Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 13: Determination of radial and tangential shrinkage, \$51.00

[ISO 13061-14:2016](#), Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 14: Determination of volumetric shrinkage, \$51.00

TRANSFUSION, INFUSION AND INJECTION EQUIPMENT FOR MEDICAL USE (TC 76)

[ISO 11418-1:2016](#), Containers and accessories for pharmaceutical preparations - Part 1: Drop-dispensing glass bottles, \$51.00

[ISO 11418-2:2016](#), Containers and accessories for pharmaceutical preparations - Part 2: Screw-neck glass bottles for syrups, \$51.00

[ISO 11418-3:2016](#), Containers and accessories for pharmaceutical preparations - Part 3: Screw-neck glass bottles (veral) for solid and liquid dosage forms, \$51.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO 13140-1:2016](#), Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to ISO 13141 - Part 1: Test suite structure and test purposes, \$200.00

ISO Technical Reports**DENTISTRY (TC 106)**

[ISO/TR 28642:2016](#), Dentistry - Guidance on colour measurement, \$88.00

LIFTS, ESCALATORS, PASSENGER CONVEYORS (TC 178)

[ISO/TR 22201-3:2016](#), Lifts (elevators), escalators and moving walks - Programmable electronic systems in safety related applications - Part 3: Life cycle guideline for programmable electronic systems related to PESSRAL and PESSRAE, \$88.00

RAILWAY APPLICATIONS (TC 269)

[ISO/TR 21245-1:2016](#), Railway applications - Rail project planning process - Part 1: Stakeholders and their needs/interests, \$123.00

ISO Technical Specifications**HEALTH INFORMATICS (TC 215)**

[ISO/TS 16843-1:2016](#), Health informatics - Categorial structures for representation of acupuncture - Part 1: Acupuncture points, \$173.00

STEEL (TC 17)

[ISO/TS 10719:2016](#), Cast irons - Determination of non-combined carbon content - Infrared absorption method after combustion in an induction furnace, \$123.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 14496-4/Amd45:2016](#), Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 45: Conformance Testing for the Multi-resolution Frame Compatible Stereo Coding with Depth Maps Extension of AVC, \$22.00

[ISO/IEC 19794-6/Amd2:2016](#), Information technology - Biometric data interchange formats - Part 6: Iris image data - Amendment 2: XML encoding and clarification of defects, \$22.00

[ISO/IEC 14496-26/Amd4:2016](#), Information technology - Coding of audio-visual objects - Part 26: Audio conformance - Amendment 4: AAC Additional Multichannel Conformance Data, \$22.00

[ISO/IEC 18370-1:2016](#), Information technology - Security techniques - Blind digital signatures - Part 1: General, \$173.00

[ISO/IEC 30105-1:2016](#), Information technology - IT Enabled Services- Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 1: Process reference model (PRM), \$149.00

[ISO/IEC 30105-2:2016](#), Information technology - IT Enabled Services- Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 2: Process assessment model (PAM), \$265.00

[ISO/IEC 30105-3:2016](#), Information technology - IT Enabled Services- Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 3: Measurement framework (MF) and organization maturity model (OMM), \$149.00

[ISO/IEC 30105-4:2016](#), Information technology - IT Enabled Services- Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 4: Terms and concepts, \$149.00

[ISO/IEC 30105-5:2016](#), Information technology - IT Enabled Services- Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 5: Guidelines, \$200.00

[ISO/IEC 21000-22:2016](#), Information technology - Multimedia framework (MPEG-21) - Part 22: User Description, \$265.00

[ISO/IEC/IEEE 29119-5:2016](#), Software and systems engineering - Software testing - Part 5: Keyword-Driven Testing, \$240.00

IEC Standards**CABLES, WIRES, WAVEGUIDES, R.F. CONNECTORS, AND ACCESSORIES FOR COMMUNICATION AND SIGNALLING (TC 46)**

[IEC 61169-16 Ed. 1.0 b:2006](#), Radio-frequency connectors - Part 16: Sectional specification - RF coaxial connectors with inner diameter of outer conductor 7 mm (0,276 in) with screw coupling - Characteristics impedance 50 ohms (75 ohms) (type N), \$230.00

[IEC 61169-37 Ed. 1.0 b:2007](#), Radio-frequency connectors - Part 37: Sectional specification - STWX8 R.F. connectors, \$182.00

ELECTRICAL ACCESSORIES (TC 23)

[IEC 60320-1 Ed. 3.0 b:2015](#), Appliance couplers for household and similar general purposes - Part 1: General requirements, \$339.00

[IEC 60898-1 Ed. 2.0 b:2015](#), Electrical accessories - Circuit-breakers for overcurrent protection for household and similar installations - Part 1: Circuit-breakers for a.c. operation, \$399.00

ELECTRICAL EQUIPMENT IN MEDICAL PRACTICE (TC 62)

[IEC/PAS 63077 Ed. 1.0 en:2016](#), Good refurbishment practices for medical imaging equipment, \$61.00

ELECTRICAL INSTALLATIONS FOR THE LIGHTING AND BEACONING OF AERODROMES (TC 97)

[IEC 61823 Ed. 1.0 b:2002](#), Electrical installations for lighting and beaconing of aerodromes - AGL series transformers, \$157.00

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

[IEC 62053-11 Amd.1 Ed. 1.0 b:2016](#), Amendment 1 - Electricity metering equipment (a.c.) - Particular requirements - Part 11: Electromechanical meters for active energy (classes 0,5, 1 and 2), \$20.00

[IEC 62053-11 Ed. 1.1 b:2016](#), Electricity metering equipment (a.c.) - Particular requirements - Part 11: Electromechanical meters for active energy (classes 0,5, 1 and 2), \$116.00

[IEC 62053-21 Amd.1 Ed. 1.0 b:2016](#), Amendment 1 - Electricity metering equipment (a.c.) - Particular requirements - Part 21: Static meters for active energy (classes 1 and 2), \$20.00

[IEC 62053-21 Ed. 1.1 b:2016](#), Electricity metering equipment (a.c.) - Particular requirements - Part 21: Static meters for active energy (classes 1 and 2), \$200.00

[IEC 62053-22 Amd.1 Ed. 1.0 b:2016](#), Amendment 1 - Electricity metering equipment (a.c.) - Particular requirements - Part 22: Static meters for active energy (classes 0,2 S and 0,5 S), \$20.00

[IEC 62053-22 Ed. 1.1 b:2016](#), Electricity metering equipment (a.c.) - Particular Requirements - Part 22: Static meters for active energy (classes 0,2 S and 0,5 S), \$116.00

[IEC 62053-23 Amd.1 Ed. 1.0 b:2016](#), Amendment 1 - Electricity metering equipment (a.c.) - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3), \$17.00

[IEC 62053-23 Ed. 1.1 b:2016](#), Electricity metering equipment (a.c.) - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3), \$145.00

[IEC 62053-24 Amd.1 Ed. 1.0 b:2016](#), Amendment 1 - Electricity metering equipment (a.c.) - Particular requirements - Part 24: Static meters for reactive energy at fundamental frequency (classes 0,5 S, 1 S and 1), \$17.00

[IEC 62053-24 Ed. 1.1 b:2016](#), Electricity metering equipment (a.c.) - Particular requirements - Part 24: Static meters for reactive energy at fundamental frequency (classes 0,5 S, 1 S and 1), \$266.00

[IEC 62054-11 Amd.1 Ed. 1.0 b:2016](#), Amendment 1 - Electricity metering (a.c.) - Tariff and load control - Part 11: Particular requirements for electronic ripple control receivers, \$17.00

[IEC 62054-11 Ed. 1.1 en:2016](#), Electricity metering (a.c.) - Tariff and load control - Part 11: Particular requirements for electronic ripple control receivers, \$230.00

FIBRE OPTICS (TC 86)

[IEC 61290-1-1 Ed. 3.0 b:2015](#), Optical amplifiers - Test methods - Part 1-1: Power and gain parameters - Optical spectrum analyzer method, \$61.00

[IEC 60793-2-50 Ed. 5.0 b:2015](#), Optical fibres - Part 2-50: Product specifications - Sectional specification for class B single-mode fibres, \$254.00

FIRE HAZARD TESTING (TC 89)

[IEC 60695-8-1 Ed. 3.0 b:2016](#), Fire hazard testing - Part 8-1: Heat release - General guidance, \$206.00

[IEC 60695-8-2 Ed. 1.0 b:2016](#), Fire hazard testing - Part 8-2: Heat release - Summary and relevance of test methods, \$206.00

[IEC 60695-1-10 Ed. 2.0 b:2016](#), Fire hazard testing - Part 1-10: Guidance for assessing the fire hazard of electrotechnical products - General guidelines, \$182.00

[S+ IEC 60695-1-10 Ed. 2.0 en:2016 \(Redline version\)](#), Fire hazard testing - Part 1-10: Guidance for assessing the fire hazard of electrotechnical products - General guidelines, \$218.00

FUEL CELL TECHNOLOGIES (TC 105)

[IEC 62282-3-400 Ed. 1.0 b:2016](#), Fuel cell technologies - Part 3-400: Stationary fuel cell power systems - Small stationary fuel cell power system with combined heat and power output, \$399.00

INSULATING MATERIALS (TC 15)

[IEC 60674-2 Ed. 2.0 en:2016](#), Specification for plastic films for electrical purposes - Part 2: Methods of test, \$278.00

LAMPS AND RELATED EQUIPMENT (TC 34)

[IEC 62035 Ed. 2.0 b:2014](#), Discharge lamps (excluding fluorescent lamps) - Safety specifications, \$278.00

[IEC 62922 Ed. 1.0 b:2016](#), Organic light emitting diode (OLED) panels for general lighting - Performance requirements, \$182.00

MAGNETIC COMPONENTS AND FERRITE MATERIALS (TC 51)

[IEC 60205 Ed. 4.0 en:2016](#), Calculation of the effective parameters of magnetic piece parts, \$254.00

[IEC 61332 Ed. 3.0 en:2016](#), Soft ferrite material classification, \$48.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

[IEC 60335-2-30 Ed. 5.1 b:2016](#), Household and similar electrical appliances - Safety - Part 2-30: Particular requirements for room heaters, \$315.00

[IEC 60335-2-30 Amd.1 Ed. 5.0 b:2016](#), Amendment 1 - Household and similar electrical appliances - Safety - Part 2-30: Particular requirements for room heaters, \$55.00

[IEC 60335-2-34 Ed. 5.2 en:2016](#), Household and similar electrical appliances - Safety - Part 2-34: Particular requirements for motor-compressors, \$424.00

[IEC 60335-2-34 Amd.2 Ed. 5.0 b:2016](#), Amendment 2 - Household and similar electrical appliances - Safety - Part 2-34: Particular requirements for motor-compressors, \$48.00

[IEC 60335-2-105 Ed. 2.0 b:2016](#), Household and similar electrical appliances - Safety - Part 2-105: Particular requirements for multifunctional shower cabinets, \$121.00

[IEC 60335-2-109 Ed. 1.2 b:2016](#), Household and similar electrical appliances - Safety - Part 2-109: Particular requirements for UV radiation water treatment appliances, \$169.00

[IEC 60335-2-109 Amd.2 Ed. 1.0 b:2016](#), Amendment 2 - Household and similar electrical appliances - Safety - Part 2-109: Particular requirements for UV radiation water treatment appliances, \$17.00

SEMICONDUCTOR DEVICES (TC 47)

[IEC 62228-2 Ed. 1.0 b:2016](#), Integrated circuits - EMC evaluation of transceivers - Part 2: LIN transceivers, \$278.00

SWITCHGEAR AND CONTROLGEAR AND THEIR ASSEMBLIES FOR LOW VOLTAGE (TC 121)

[IEC 60947-2 Ed. 5.0 b cor.1:2016](#), Corrigendum 1 - Low-voltage switchgear and controlgear - Part 2: Circuit-breakers, \$0.00

IEC Technical Reports**POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)**

[IEC/TR 62357-1 Ed. 2.0 en:2016](#), Power systems management and associated information exchange - Part 1: Reference architecture, \$375.00

Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.

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

PUBLIC REVIEW

ISSQUARED

Public Review: August 26 to November 26, 2016

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

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

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

Information Concerning

American National Standards

Call for Members

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 oversight of its 40+ Technical Committees. Additionally, the INCITS Executive Board has the international leadership role as the US Technical Advisory Group (TAG) to ISO/IEC JTC 1, Information Technology.

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, contact Jennifer Garner at jgarner@itic.org or visit <http://www.incits.org/participation/membership-info> for more information.

Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following categories:

- Service Providers
- Users
- Standards Development Organizations and Consortia
- Academic Institutions

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

International Organization for Standardization (ISO)

Calls for U.S. TAG Administrators

ISO/TC 87 – Cork

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 87 and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by Portugal (IPQ).

ISO/TC 87 operates under the following scope:

Standardization in the field of cork, both the raw material and products manufactured and prepared from cork.

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG should contact ANSI's Kemi Allston at kallston@ansi.org.

ISO/TC 114 – Horology Subcommittees

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 114/SC 3 – Water-resistant watches and ISO/TC 114/SC 12 – Antimagnetism and therefore ANSI is not a member of these committees. The Secretariats for these committees are held by Switzerland (SNV) for ISO/TC 114/SC 3 and Japan (JISC) for ISO/TC 114/SC 12.

ISO/TC 114/SC 3 and ISO/TC 114/SC 12 operates within the scope of ISO/TC 114:

Standardization in the field of instruments of small and large size intended for measuring time and time keeping:

- terminology;
- technical definitions;
- standardization of overall dimensions;
- any other questions which may be proposed in the future.

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG for any of these committees should contact ANSI's Kemi Allston at kallston@ansi.org.

ISO/TC 120/SC 3 – Leather products

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 120/SC 3 and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by India (BIS).

ISO/TC 120/SC 3 operates under the following scope:

Development of standards in the field of Leather products within the scope of ISO/TC 120:

Standardization in the field of:

- raw hides and skins including pickled pelts;
- tanned hides and skins and finished leather;
- leather products (including methods of test for leather products).

Excluded:

- methods of test in the field of raw hides and skins, including pickled pelts, tanned hides and skins and finished leather, which is the field of the IULTCS (see Note);
- footwear, which is the field of work of ISO/TC 216;
- protective clothing and equipment, which is the field of work of ISO/TC 94.

NOTE:

The International Union of Leather Technologists and Chemists Societies (IULTCS) is the international standardizing body responsible for the development of International Standards defining methods of test for leather other than made-up articles.

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG should contact ANSI's Kemi Allston at kallston@ansi.org.

International Workshop Agreement Proposal**Resource-Oriented Sanitation Systems****Comment Deadline: December 1, 2016**

ANSI, working with the Bill and Melinda Gates Foundation, intends to submit to ISO an International Workshop Agreement Proposal on the subject of community based resource oriented sanitation treatment systems, with the following scope statement:

The goal of this International Workshop Agreement is to provide an efficient starting point for international standardization on a system to safely process human waste and possibly household waste and recover valuable resources such as water, energy, and/or nutrients through economically sustainable technologies in an off-grid and non-sewered environment.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org) with submission of comments to Steve Cornish (scornish@ansi.org) by close of business on December 1, 2016.

International Electrotechnical Commission (IEC)**Call for Members****New IEC/SMB ahG 72 – Horizontal Standards**

Title: SMB ahG 72 – Horizontal Standards

Scope:

The SMB noted that horizontal standards should be considered as tools rather than as a burden and that some clarification is needed on their selection and use. The group shall report back to SMB no later than for SMB meeting 160 (Vladivostok). SMB agreed to set up ahG 72, Horizontal Standards, to review the role of horizontal standards with the following tasks:

- Review and clearly define what is a horizontal standard, normative and informative guides, and basic safety or EMC publications
- Examine the current list of horizontal standards and determine if any removals from the list are appropriate

- Provide guidance on each type of standard and criteria for their use
- Recommend how to engage stakeholders in TC/SCs early and communicate how horizontal standards should be used
- Should review the ISO/IEC Directives, Part 1, Annex A.1 and Guide 108 to ensure they are consistent with the emerging view on horizontal standards
- Should provide guidance to SMB on the criteria to determine if a standard should be designated as horizontal

Anyone interested in joining ahG 72 – Horizontal Standards is invited to contact Tony Zertuche at tzertuche@ansi.org.

Call for VTAG Members**New IEC/Systems Evaluation Group on Smart Manufacturing.**

(Please note that members to this VTAG can be from IEC, ISO, or ITU communities.)

US Mirror Committee for System Evaluation Group (SEG) 7 – Smart Manufacturing

The IEC transitioned Systems Group 8 Smart Manufacturing, into a new Systems Evaluation Group and the US will be participating.

Title: US VTAG for SEG 7 – Smart Manufacturing

Scope:

- Expand on the market relevance and business drivers, identified in the SG 8 report, taking into account other SDO initiatives and national programs;
- Provide an inventory of existing standards and current standardization projects under the management of IEC, ISO and other SDO;
- Invite the cooperation of ISO, JTC1/WG10, IEEE, consortia, and other organizations to assist in mapping smart manufacturing activities that are closely related, and to participate in the activities of the proposed SyC;
- Expand on the definition of common value chains within a smart manufacturing enterprise, as identified in SG 8, and identify associated use cases which will assist in determining the state of the art in the industry, and the identification of potential gaps where IEC standardization is needed with respect to smart manufacturing;
- Establish an initial roadmap of smart manufacturing standardization, architecture and prospective standardization and conformity assessment projects to be conducted by the SyC member TCs and partners;
- Deliver a dashboard to cross reference the project work items to documented use cases within particular value chains to assist standards developers, and industry stakeholders to navigate the domain;

Anyone interested in joining the US VTAG for IEC SEG Smart Manufacturing is invited to contact Alec McMillan at amcmillan@ra.rockwell.com.

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[Note – the changes are seen below using strikeout for removal of old text and gray highlights to show the suggested text. ONLY the highlighted text is within the scope of this ballot.

NSF/ANSI Standard for Drinking Water System Components – Health Effects

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Annex H¹ (informative)

Water quality criteria considerations for piping materials in contact with drinking water

H.1 Background

While NSF/ANSI 61 is designed to provide standardized evaluation conditions for the assessment of drinking water products, the test waters used in the standard cannot represent all chemistries of actual drinking water that products may encounter during use. Metallic and non-metallic materials in contact with some drinking water qualities can have interactions with surfaces accelerating corrosion, leaching, or byproduct release.

This Annex is intended to provide information to assist in identifying water chemistry conditions under which the various materials may experience corrosion, leaching or byproduct release of regulated contaminants at or above acceptable levels in drinking water. Due to the numerous variables in water chemistry, premise plumbing design, and system interaction, waters having these characteristics are not guaranteed to cause excessive corrosion, leaching or byproduct release; however, the risk in these waters is elevated and the consumer/specifier should either:

- consult with local water provider/utility or public health authority to determine the local water quality (parameters such as pH, alkalinity, PO₄ dosage, etc.) that may impact materials in contact with drinking water, or;
- perform testing or analyses to verify that such materials do not pose a risk of exceeding drinking water quality standards in the subject system, or;
- put appropriate water chemistry modifications/treatment in place to remediate the water chemistry conditions.

The reader is advised to investigate suitable performance when products using these materials are being considered for use in water chemistries as provided in the following sections.

The materials listed below are not the only materials that under variable drinking water parameters may leach regulated contaminants in excess of regulatory guidelines. Criteria for additional materials may be added to this Annex as they become available.

¹ As this is an “informative annex” the information contained in this annex is not part of the American National Standard (ANS). However, it has been processed in accordance with ANSI’s requirements for ANS and has been subjected to a public review and consensus process.

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H.2 Criteria: (by material type)

H.2.1 Copper (C12200)

System operators, installers, and owners should install water treatment, adjust water quality, install alternate materials, or verify that copper leaching is not exceeding acceptable levels when any of the following water quality conditions exist:

- 1) If the water system is utilizing orthophosphate dosing for corrosion control with a PO₄ residual greater than 3.3 mg PO₄/L, copper leaching would not be suspect;
- 2) If the water system is using no orthophosphate treatment for corrosion control, or is using orthophosphate control with a PO₄ residual less than 3.3 mg PO₄/L and:
 - pH less than 6.5 in all systems
 - pH between 6.5 and 7.0 in a system with disinfection/oxidative treatment
 - pH between 7.0 and 7.5 in a system with disinfection/oxidative treatment and alkalinity greater than 200 mg CaCO₃/L
 - pH greater than 7.5 in a system with disinfection/oxidative treatment and alkalinity greater than 250 mg CaCO₃/L

For systems conveying waters that fall within these conditions, there is an increased risk of copper leaching into the drinking water in excess of US EPA health-based maximum contaminant goal (MCLG) of 1.3 mg/L (U.S. EPA, 1991, 2015). These water chemistry conditions have been correlated with the potential for elevated copper release, based on a broad consensus of international research and observation (Schock and Lytle, 2011).

H.2.2 Galvanized steel

The following formula is provided as a means identifying water compositions where corrosion rates for galvanized steel may be acceptable. (Reference: *AMS Common Approach*)

Criteria:

pH \geq 7.5 or free CO₂ \leq 11 mg/L
 AND Alkalinity \geq 150 mg CaCO₃/L
 AND $S_1 < 2$ (*definition of S_1 below*)
 AND Calcium \geq 20 mg/L
 AND Conductivity \leq 600 μ S/cm at 25°C
 AND $S_2 < 1$ or $S_2 > 3$ (*definition of S_2 below*)

Where:

$$S_1 = \frac{c[(Cl^-)/35] + c[(NO_3^-)/62] + 2 c[(SO_4^{2-})/96]}{c[(HCO_3^-)/61]}$$

$$S_2 = \frac{c[(Cl^-)/35] + 2 c[(SO_4^{2-})/96]}{c[(NO_3^-)/62]}$$

Notes:

- Concentrations (c) in mg/L
- Guidance on HCO₃⁻ derivation from pH & alkalinity follows the examples below.

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Table H.1 - Examples of galvanized steel calculation

Example water #1				Example water #2			
pH	7.54	Cl ⁻	34 mg/L	pH	7.6	Cl ⁻	53 mg/L
Alkalinity	192 mg CaCO ₃ /L	NO ₃ ⁻	9 mg/L	Alkalinity	245 mg CaCO ₃ /L	NO ₃ ⁻	1 mg/L
Calcium	62 mg/L	SO ₄ ²⁻	56 mg/L	Calcium	92 mg/L	SO ₄ ²⁻	106 mg/L
Conductivity	250 μS/cm at 25°C	HCO ₃ ⁻	84 mg/L	Conductivity	340 μS/cm at 25°C	HCO ₃ ⁻	78 mg/L
✓ pH ≥ 7.5 or free CO ₂ ≤ 11 mg/L				✓ pH ≥ 7.5 or free CO ₂ ≤ 11 mg/L			
✓ AND Alkalinity ≥ 150 mg CaCO ₃ /L				✓ AND Alkalinity ≥ 150 mg CaCO ₃ /L			
AND S ₁ < 2	$S_1 = \frac{\left(\frac{\text{Cl}^-}{35}\right) + \left(\frac{\text{NO}_3^-}{62}\right) + 2\left(\frac{\text{SO}_4^{2-}}{96}\right)}{\left(\frac{\text{HCO}_3^-}{61}\right)}$			AND S ₁ < 2	$S_1 = \frac{\left(\frac{\text{Cl}^-}{35}\right) + \left(\frac{\text{NO}_3^-}{62}\right) + 2\left(\frac{\text{SO}_4^{2-}}{96}\right)}{\left(\frac{\text{HCO}_3^-}{61}\right)}$		
	$S_1 = \frac{\left(\frac{34}{35}\right) + \left(\frac{9}{62}\right) + 2\left(\frac{56}{96}\right)}{\left(\frac{84}{61}\right)}$			✗ S ₁ = 2.92 mg/L (S ₁ > 2)	$S_1 = \frac{\left(\frac{53}{35}\right) + \left(\frac{1}{62}\right) + 2\left(\frac{106}{96}\right)}{\left(\frac{78}{61}\right)}$		
✓ S ₁ = 1.66 mg/L (S ₁ < 2)	$S_1 = \frac{(0.97) + (0.15) + (1.17)}{(1.38)}$			(Does not meet criteria)	$S_1 = \frac{(1.51) + (0.016) + (2.21)}{(1.28)}$		
	$S_1 = \frac{2.29}{1.38}$				$S_1 = \frac{3.74}{1.28}$		
✓ AND Calcium ≥ 20 mg/L				✓ AND Calcium ≥ 20 mg/L			
✓ AND Conductivity ≤ 600 μS/cm at 25°C				✓ AND Conductivity ≤ 600 μS/cm at 25°C			
AND S ₂ < 1 or S ₂ > 3	$S_2 = \frac{\left(\frac{\text{Cl}^-}{35}\right) + 2\left(\frac{\text{SO}_4^{2-}}{96}\right)}{\left(\frac{\text{NO}_3^-}{62}\right)}$			AND S ₂ < 1 or S ₂ > 3	$S_2 = \frac{\left(\frac{\text{Cl}^-}{35}\right) + 2\left(\frac{\text{SO}_4^{2-}}{96}\right)}{\left(\frac{\text{NO}_3^-}{62}\right)}$		
	$S_2 = \frac{\left(\frac{34}{35}\right) + 2\left(\frac{56}{96}\right)}{\left(\frac{9}{62}\right)}$			✓ S ₂ = 232.5 mg/L (S ₂ > 3)	$S_2 = \frac{\left(\frac{53}{35}\right) + 2\left(\frac{106}{96}\right)}{\left(\frac{1}{62}\right)}$		
✓ S ₂ = 14.27 mg/L (S ₂ > 3)	$S_2 = \frac{(0.97) + (1.17)}{(0.15)}$				$S_2 = \frac{(1.51) + (2.21)}{(0.016)}$		
	$S_2 = \frac{2.14}{0.15}$				$S_2 = \frac{3.72}{0.016}$		
Water #1 has a composition where corrosion rates for galvanized steel may be acceptable				Water #2 has a composition where corrosion rates for galvanized steel may <u>NOT</u> be acceptable			

H.3 Determining HCO₃⁻ concentration from alkalinity using Standard Methods 4500-CO₂ Carbon Dioxide (Editorial revisions, 2011)

Applicable for waters which:

- have a total alkalinity due almost entirely to hydroxides, carbonates, or bicarbonates
- do not contain the salts of weak acids (other than carbonic acid) or those acids are present in extremely small amounts

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— do not exceed 500 mg/L of total dissolved solids

Further some treatment processes such as superchlorination and coagulation can significantly affect pH and total-alkalinity values of a poorly buffered water of low alkalinity and low total-dissolved-mineral content. This calculation is also limited for use at a single temperature of 25°C. In such instances where the previously mentioned guidelines are exceeded this calculation may not be applicable.
(From Standard Methods 4500, Section D. 2. a. Bicarbonate alkalinity Equation)

$$\text{HCO}_3^- \text{ as mg } \frac{\text{CaCO}_3}{\text{L}} = \frac{T - 5.0 \times 10^{(\text{pH}-10)}}{1 + 0.94 \times 10^{(\text{pH}-10)}}$$

Where: T = total alkalinity, mg CaCO₃/L

Example water

Total Alkalinity (as CaCO ₃)	60 mg/L
pH	8.7

$$\text{HCO}_3^- \text{ as mg } \frac{\text{CaCO}_3}{\text{L}} = \frac{T - 5.0 \times 10^{(\text{pH}-10)}}{1 + 0.94 \times 10^{(\text{pH}-10)}}$$

$$\text{HCO}_3^- = \frac{60 \text{ mg/L} - 5.0 \times 10^{(8.7-10)}}{1 + 0.94 \times 10^{(8.7-10)}}$$

$$\text{HCO}_3^- = \frac{60 \text{ mg/L} - 0.25}{1 + 0.047}$$

$$\text{HCO}_3^- = \frac{59.75 \text{ mg/L}}{1.047}$$

$$\text{HCO}_3^- = 57 \text{ mg/L}$$

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BSR/UL 94, Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances

PROPOSAL

1. Alignment of Flame Spread Index Calculation Provided in Section 10 of UL 94 with ASTM E 162-08

10.1.2 The flame spread index is to be assigned based upon the average flame spread of 4 specimens, or 6 if the average is less than 50, in accordance with the ranges specified in Table 10.1. The calculated average shall be rounded to the nearest multiple of five to determine the flame spread class.

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BSR/UL 1082, Standard for Safety for Household Electric Coffee Makers and Brewing-Type Appliances

PROPOSALS

Carafe Handle Security Test

PROPOSAL

41.7.3 The weighted vessel is to be mounted to a test fixture such that the handle is held over a 2- to 4-inch (51- to 102-mm) wide gripping area and held such that the bottom of the vessel is horizontal. Due to limitations of handle design, a smaller width gripping area may be used. The test fixture shall provide a dynamic load upon the handle by lifting the vessel for a total of 10,000 cycles. Each cycle shall consist of lifting the vessel with weight, to a height of 0.50 inches (12.7 mm) in no more than 0.75 seconds of time, holding the vessel at this height for at least 3 seconds, and then returning to the original position. See also 33.1.26 and 47.7.2 for a construction provided with a vessel with a handle utilized to lift and tilt the vessel.

~~SB16.10 To determine compliance with SB16.8 and SB12.3.1(a), thermocouples are to be secured at the midpoint of the longitudinal axis of the thermal cutoff body at any point along its circumference. In addition, to determine compliance with SB12.3.1(a), a thermocouple is to be secured on the stationary contact lead of the thermal cutoff approximately 0.04 inch (1 mm) from the tip of the insulator cone. Temperatures are to be measured during the steady state condition of the keep warm stages (carafe full, carafe empty, no carafe) of the normal operation test described in SB16.3 and SB16.4. See also 33.1.26 and 41.7.2 for a construction provided with a vessel with a handle utilized to lift and tilt the vessel.~~

~~SB16.11 See also 33.1.26 and 41.7.2 for a construction provided with a vessel with a handle utilized to lift and tilt the vessel.~~

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BSR/UL 2225, Standard for Safety for Cables and Cable-Fittings for Use in Hazardous (Classified) Locations

1. Revisions to Add Low Ambient Requirements for Cable Glands to Section 24, 37.2 and 37.3

PROPOSAL

24.4 For explosionproof cable sealing fittings for use in Groups A, B, C, or D classified locations, rated less than minus 25°C (minus 13°F) but not less than minus 50°C (minus 58°F), that have been determined to comply with the Explosion Tests requirements in Section 23, the fittings shall be subjected to the Hydrostatic Pressure Test of Section 24 using the test factor of six times the maximum explosion test pressures (based on room ambient explosion testing) or the values from Table 24.2.

24.5 For flameproof cable sealing fittings for use in Groups IIA, IIB, or IIC classified locations, rated less than minus 20°C (minus 4°F) but not less than minus 50°C (minus 58°F), that have been determined to comply with the Explosion Tests requirements in Section 23, the fittings shall be subjected to the Hydrostatic Pressure Test of Section 24 using the test factor of six times the maximum explosion test pressures (based on room ambient explosion testing) or the values from Table 24.2.

Table 24.2

Hydrostatic pressures for cable fitting seals rated and marked as low as minus 50°C (minus 58°F)

<u>Class I area classification</u>	<u>Required hydrostatic pressure in psig (MPa)</u>			
	<u>Group A</u>	<u>Group B or IIC</u>	<u>Group C or IIB</u>	<u>Group D or IIA</u>
<u>Division 1 or Zone 1</u>	<u>3,000 (20.7)</u>	<u>3,000 (20.7)</u>	<u>1,800 (12.4)</u>	<u>900 (6.2)</u>
<u>Division 2 or Zone 2</u>	<u>750 (5.17)</u>	<u>750 (5.17)</u>	<u>750 (5.17)</u>	<u>750 (5.17)</u>

37.2 Marking for Class I, II, and III, Division 1 and 2 shall be marked with the following:

a) Class, Group and Division, as appropriate. For Division 1 or Division 2, designation of the hazardous location Group need not be marked on a fitting if the size or design of the fitting is such that there is insufficient space for this marking, and:

1) The designations of both the hazardous location class and group appear on the smallest package in which the fitting is shipped; and

2) The fitting is suitable for all hazardous location groups in the Division 1 or Division 2 hazardous location class marked on the fitting.

b) For explosionproof cable sealing fittings for use in Groups A, B, C, or D classified locations. The minimum ambient temperature rating when less than minus 25°C (minus 13°F).

37.3 AEx marking for explosive gas atmospheres shall be marked with the following:

- a) Class I;
- b) The applicable Zone marking - i.e. Zone 0, Zone 1, or Zone 2;
- c) The symbol AEx;
- d) The symbol for each type of protection used:
 - 1) "d": flameproof;
 - 2) "e": increased safety;
- e) The symbol of the group:
 - 1) IIA, IIB or IIC for electrical equipment for places with an explosive gas atmosphere other than mines susceptible to firedamp.
 - 2) When the electrical equipment is for use only in a particular gas, the chemical formula or the name of the gas in parentheses.
 - 3) When the electrical equipment is for use in a particular gas in addition to being suitable for use in a specific group of electrical equipment, the chemical formula shall follow the group and be separated with the symbol "+", for example, "IIB + H₂".
- f) For flameproof cable sealing fittings for use in Groups IIA, IIB, or IIC classified locations. The minimum ambient temperature rating when less than minus 20°C (minus 4°F).

The markings a) to e) shall be placed in the order in which they are given and shall each be separated by a small space.

To avoid the risk of explosion due to confusion with explosionproof cord and cable fittings marked "Class I, Division 2" in accordance with 37.2, cord or cable fittings complying only with the requirements for flameproof "d" or increased safety "e" cable fittings shall not be additionally marked "Class I, Division 2".

NOTE In accordance with NEC Article 501, cable sealing fittings marked "d" or "e" are permitted to be used for the connection of general purpose assemblies acceptable for Class I, Division 2 locations.