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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

Call for Comment of Limited Substantive Changes to an Approved American National Standard (ANS):

SJI (Steel Joist Institute) 30-Day Call for Comment Deadline: June 17, 2018

ANSI/SJI 100-2015, Standard Specification for Joist Girders and Open Web Steel Joists; K-Series, LH/DLH-Series (revision of ANSI/SJI K-2010, ANSI/SJI JG-2010, ANSI/SJI LH/DLH-2010)

We have revised the welding requirements (welding during manufacture), bringing them into an AWS D1.1/D1.3 alignment, with an AWS Section 6.8 Acceptance Criteria. The effect of these changes is to make our welding requirements more stringent.

Single copy price: Download: Free; Hard Copy: \$50.00

Order from: Sharon Jack, (843) 407-4091, sjack@steeljoist.org

Send comments (with copy to psa@ansi.org) to: Kenneth Charles, (843) 407-4091, kcharles@steeljoist.org

Obtain an electronic copy from: steeljoist.org

Public review is limited to the revisions shown in the linked pages.

SJI

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

Comment Deadline: June 17, 2018

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B16.50-201x, Wrought Copper and Copper Alloy Braze-Joint Pressure Fittings (revision of ANSI/ASME B16.50-2013)

This Standard establishes requirements for wrought copper and wrought copper alloy braze-joint seamless fittings. This Standard covers joints assembled with brazing materials conforming to ANSI/AWS A5.8. This Standard is allied to ASME standards B16.18 and B16.22. It provides requirements for fitting-ends suitable for brazing.

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

Send comments (with copy to psa@ansi.org) to: Jihoon Oh, (212) 591-8544, ohj@asme.org

NSF (NSF International)

Revision

BSR/NSF 6-201x (i14r2), Dispensing Freezers (revision of ANSI/NSF 6-2016)

This Standard contains requirements for the following equipment: dispensing freezers that process and freeze previously pasteurized product (e.g., soft ice cream, ice milk, yogurt, malts, custards) and dispense it directly into the consumer's container; dispensing freezers that dispense premanufactured frozen product (e.g., ice cream) directly into the consumer's container; and batch dispensing freezers. The materials, design, and construction requirements of this Standard may also apply to items that are manufactured as a component of a dispensing freezer.

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

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

NSF (NSF International)

Revision

BSR/NSF 14-201x (i96r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2017)

This Standard establishes minimum physical, performance, and health effects requirements for plastic piping system components and related materials. These criteria were established for the protection of public health and the environment.

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

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

NSF (NSF International)

Revision

BSR/NSF 49-201x (i125r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)

This Standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to biosafety levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this Standard. This Standard includes basic requirements for the design, construction, and performance of biosafety cabinets that are intended to provide personnel, product, and environmental protection; reliable operation; durability and structural stability; cleanability; limitations on noise level; illumination; vibration; and motor/blower performance.

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

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

RESNET (Residential Energy Services Network, Inc.)

Revision

BSR/RESNET/ICC 380-201x, Standard for Testing Airtightness of Building, Dwelling Unit and Sleeping Unit Enclosures; Airtightness of Heating and Cooling Air Distribution Systems; and Airflow of Mechanical Ventilation Systems (revision and redesignation of ANSI/RESNET/ICC 380-2016)

This standard is applicable to all dwelling units and sleeping units in residential and commercial buildings. The standard defines procedures for measuring the airtightness of building, dwelling unit and sleeping unit enclosures, the airtightness of heating and cooling air distribution systems, and the airflow of mechanical ventilation systems. The standard complements and references other American National Standards.

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

Send comments (with copy to psa@ansi.org) to: Comments are submitted via RESNET's online comment form. See the links from webpage: <http://www.resnet.us/blog/resnet-consensus-standards/>

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 87A-201x, Standard for Safety for Power-Operated Dispensing Devices for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (revision of ANSI/UL 87A-2017)

The following topic is being recirculated: (1) Revisions to add CE40a test fluid requirements

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

Send comments (with copy to psa@ansi.org) to: Marcia Kawate, (510) 319-4259, Marcia.M.Kawate@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 414-201X, Standard for Safety for Meter Sockets (revision of ANSI/UL 414-2016)

These requirements cover meter sockets for use with: (a) Watthour and similar meters; (b) Test switches; (c) Metering transformer cabinets; and (d) Metering transformer cabinet interiors for installation in accordance with the National Electrical Code, NFPA 70.

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

Send comments (with copy to psa@ansi.org) to: Megan Monsen, (847) 664-1292, megan.monsen@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1004-4-201x, Standard for Safety for Electric Generators (revision of ANSI/UL 1004-4-2015)

This recirculation proposal provides revisions to the UL 1004-4 proposal dated 2-23-18.

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

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

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

BSR/UL 1026-201X, Standard for Safety for Household Electric Cooking and Food Serving Appliances (Proposal dated 5-18-18) (revision of ANSI/UL 1026-2018)

This Recirculation provides changes to the UL 1026 proposal dated 2017-10-13.

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

Send comments (with copy to psa@ansi.org) to: Ross Wilson, (919) 549-1511, Ross.Wilson@ul.com

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

BSR/UL 1598-201X, Standard for Safety for Luminaires (revision of ANSI/UL 1598-2012)

This proposal for UL 561 covers: The following topic for the Standard for Luminaires, UL 1598, is being recirculated: (21) Withdrawal of Proposal: Add requirements for luminaires for use in clothes closets in Clause 12.8 (CAN).

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

Send comments (with copy to psa@ansi.org) to: Anne Marie Jacobs, (919) 549-0954, annemarie.jacobs@ul.com

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

BSR/UL 60745-2-16-201x, Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-16: Particular Requirements for Tackers (revision of ANSI/UL 60745-2-16-2009 (R2015))

This proposal for UL 60745-2-16 covers: (1) Proposed addition of Clause 3.111DV to define light-duty tools and addition of Clause 19.101DV to modify current mechanical hazard test requirements to address tools considered light duty.

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

Send comments (with copy to psa@ansi.org) to: Beth Northcott, (847) 664-3198, Elizabeth.Northcott@ul.com

Comment Deadline: July 2, 2018**AAMI (Association for the Advancement of Medical Instrumentation)****New National Adoption**

BSR/AAMI/ISO 11737-2-201x, Sterilization of medical devices - Microbiological methods - Part 2: Tests of sterility performed in the definition, validation and maintenance of a sterilization process (identical national adoption of ISO 11737-2 (in development) and revision of ANSI/AAMI/ISO 11737-2-2009 (R2014))

Specifies the general criteria for tests of sterility on medical devices that have been exposed to a treatment with the sterilizing agent that is a fraction of the specified sterilization process. These tests are intended to be performed when defining, validating, or maintaining a sterilization process.

Single copy price: Free

Obtain an electronic copy from: https://standards.aami.org/higherlogic/ws/public/document?document_id=14187&wg_id=PUBLIC_REV

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

ASA (ASC S1) (Acoustical Society of America)**Revision**

BSR ASA S1.13-201x, Measurement of Sound Pressure Levels in Air (revision of ANSI ASA S1.13-2005 (R2010))

Specifies requirements and describes procedures for measurement of sound pressure levels in air at a single point in space. These requirements and procedures apply primarily to measurements performed indoors but may be utilized in outdoor measurements under specified conditions. This is a fundamental standard applicable to a wide range of measurements and to sounds that may differ widely in temporal and spectral characteristics; more specific American National Standards complement its requirements. A classification is given of the types of sound generally encountered, and the preferred descriptor for each type is identified. This standard is intended to be used by practitioners in the field, as well as by members of the general public who have little or no special technical training in areas relating to acoustics.

Single copy price: \$130.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Neil Stremmel, (631) 390-0215, asastds@acousticalsociety.org

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

ASA (ASC S3) (Acoustical Society of America)**Revision**

BSR ASA S3.6-201x, Specification for Audiometers (revision of ANSI ASA S3.6-2010)

The audiometers covered in this specification are devices designed for use in determining the hearing threshold level of an individual in comparison with a chosen standard reference threshold level. This standard provides specifications and tolerances for pure tone, speech, and masking signals and describes the minimum test capabilities of different types of audiometers.

Single copy price: \$150.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from: Neil Stremmel, (631) 390-0215, asastds@acousticalsociety.org

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

ASME (American Society of Mechanical Engineers)**New Standard**

BSR/ASME NM-1-200x, Thermoplastic Piping Systems (new standard)

(a) This standard prescribes requirements for the design, materials, fabrication, erection, examination, testing, and inspection of thermoplastic piping systems.

(b) Thermoplastic piping as used in this standard includes pipe, flanges, bolting, gaskets, valves, fittings, special connecting components, and the pressure-containing portions of other piping components, whether manufactured in accordance with Standards referenced in this standard or specially designed. It also includes hangers and supports and other equipment items necessary to prevent overstressing the pressure-containing components.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: Jihoon Oh, (212) 591-8544, ohj@asme.org

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

BSR/ASME B31Q-201x, Pipeline Personnel Qualification (revision of ANSI/ASME B31Q-2016)

This Standard establishes the requirements for developing and implementing an effective Pipeline Personnel Qualification Program (qualification program) utilizing a combination of technically based data, accepted industry practices, and consensus-based decisions. The Standard also offers guidance and examples of a variety of methods that may be used to meet selected requirements. The Standard specifies the requirements for identifying covered tasks that impact the safety or integrity of pipelines, for qualifying individuals to perform those tasks, and for managing the qualifications of pipeline personnel.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: Justin Wu, (212) 591-7074, wuj@asme.org

ASSE (Safety) (American Society of Safety Engineers)**New National Adoption**

BSR/ASSE/ISO 31000-201x, Risk Management Guidelines (identical national adoption of ISO 31000-2018 and revision of ANSI/ASSE Z690.2 -2011)

This document is for use by people who create and protect value in organizations by managing risks, making decisions, setting and achieving objectives, and improving performance. Managing risk is based on the principles, framework, and process outlined in this document. These components might already exist in full or in part within the organization; however, they might need to be adapted or improved so that managing risk is efficient, effective, and consistent.

Single copy price: \$103.00

Obtain an electronic copy from: LBauerschmidt@asse.org

Order from: ASSE; LBauerschmidt@asse.org

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

AWWA (American Water Works Association)**New Standard**

BSR/AWWA C521-201x, Plastic Ball Valves (new standard)

This standard describes plastic ball valves for water supply service. This standard covers threaded, union, fusion or compression ended double- and single-seated non-metallic ball valves for pressures 100 psi (700 kPa) and higher in sizes from ½-in. through 2-in. (13-mm through 50-mm) diameter for use in potable water systems with temperatures greater than 32 F (0 C) and less than 125 F (52 C).

Single copy price: Free

Obtain an electronic copy from: ETSupport@awwa.org

Order from: AWWA, Vicki David, (303) 347-3431, vdavid@awwa.org

Send comments (with copy to psa@ansi.org) to: Paul Olson, (303) 347-6178, polson@awwa.org; vdavid@awwa.org

CSA (CSA Group)**Reaffirmation**

BSR/CSA HGV 4.8-2012 (R201x), Hydrogen gas vehicle fueling station compressor guidelines (reaffirmation of ANSI/CSA HGV 4.8-2012)

This standard contains safety requirements for material, design, manufacture, and testing of gaseous hydrogen compressor packages used in fueling station service. This standard applies to newly manufactured equipment designed primarily to provide compressed hydrogen for vehicle fueling stations. This standard does not apply to:

- (a) Vehicle Fueling Appliances for HGV;
- (b) Compressor packages used for non-vehicular fuel applications (e.g., power generation units); and
- (c) Internal-combustion-engine-driven compressor.

Test gas as specified in these requirements shall be:

- hydrogen or helium for leak tests;
- liquids (e.g., water or oil) for hydrostatic strength tests; and
- hydrogen, helium, nitrogen, or dry air for all other tests.

Single copy price: Free

Obtain an electronic copy from: ansi.contact@csagroup.org

Order from: David Zimmerman, (216) 524-4990, david.zimmerman@csagroup.org

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

CSA (CSA Group)**Revision**

BSR Z21.18-201x, Gas Appliance Pressure Regulators (same as CSA 6.3 -201x) (revision of ANSI Z21.18-2007 (R2017), ANSI Z21.18a-1010 (R2017), and ANSI Z21.18b-2012 (R2017))

Details test and examination criteria for gas appliance pressure regulators for use with natural, manufactured, and mixed gases; liquefied petroleum gases; and LP gas-air mixtures. Such devices, either individual or in combination with other controls, are intended to control selected outlet gas pressures to individual gas appliances.

Single copy price: Free

Obtain an electronic copy from: ANSI.contact@csagroup.org

Order from: David Zimmerman, (216) 524-4990, david.zimmerman@csagroup.org

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

CSA (CSA Group)**Revision**

BSR Z21.80-201x, Line Pressure Regulators (same as CSA 6.22-201x) (revision and redesignation of ANSI Z21.80-2011 (R2016) and ANSI Z21.80a-2012 (R2016))

Details test and examination criteria for line-pressure regulators, either individual or in combination with over-pressure protection devices intended for application in natural gas piping systems between the service regulator and the gas appliance(s). This standard applies to regulators rated at 2, 5, or 10 psi (13.8, 34.5, or 68.9 kPa) with maximum outlet pressure of ½ or 2 psi (3.5 or 13.8 kPa), depending on the intended application.

Single copy price: Free

Obtain an electronic copy from: ANSI.contact@csagroup.org

Order from: David Zimmerman, (216) 524-4990, david.zimmerman@csagroup.org

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

CSA (CSA Group)**Withdrawal**

ANSI/CSA HGV 4.5-2013, Standard for priority and sequencing equipment for hydrogen vehicle fueling (withdrawal of ANSI/CSA HGV 4.5-2013)

These requirements apply to priority and sequencing equipment which is part of a hydrogen gas vehicle fueling system, referred to as equipment in this standard. Priority equipment is defined as equipment which controls the order in which a hydrogen gas compressor fills the storage tanks. Sequencing equipment controls the order in which the storage tanks are used to fill a vehicle. Priority and sequencing equipment of a type not specifically addressed in these requirements may be subjected to such examinations and tests as deemed necessary by the testing agency to determine compliance with the intent of these requirements.

Single copy price: Free

Obtain an electronic copy from: ansi.contact@csagroup.org

Order from: David Zimmerman, (216) 524-4990, david.zimmerman@csagroup.org

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

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

BSR/HL7 ERH-S MUFP, R1-201x, HL7 EHR-S Functional Profile: Meaningful Use 2015, Release 1 - US Realm (new standard)

The Meaningful Use Functional Profile (MU FP) specifies EHR System Functional Model Release 2 functions and conformance criteria corresponding to 2015 Edition EHR System Certification requirements and test procedures. Gaps are filled with new functions and criteria.

Single copy price: Free

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

ITSDF (Industrial Truck Standards Development Foundation, Inc.)**Addenda**

BSR/ITSDF B56.1a-201X, Low Lift and High Lift Trucks (addenda to ANSI/ITSDF B56.1-2016)

This Standard defines the safety requirements relating to the elements of design, operation, and maintenance of low-lift and high-lift powered industrial trucks controlled by a riding or walking operator, and intended for use on compacted, improved surfaces.

Single copy price: Free

Obtain an electronic copy from: chris.merther@itsdf.org

Send comments (with copy to psa@ansi.org) to: chris.merther@itsdf.org

MHI (Material Handling Industry)**Revision**

BSR MH28.2-201X, Design, Testing and Utilization of Industrial Boltless Metal Shelving (revision of ANSI MH28.2-2012)

This standard applies to industrial-steel boltless shelving; boltless shelving placed on mobile carriages; multi-level boltless shelving systems such as pick modules, catwalks, and deck-overs or dance floors; and for boltless shelving used in conjunction with an automated storage and retrieval system (AS/RS).

Single copy price: \$50.00

Obtain an electronic copy from: pdavison@mhi.org

Order from: Patrick Davison, (704) 714-8755, pdavison@mhi.org

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

TIA (Telecommunications Industry Association)**Addenda**

BSR/TIA 1005-A-2-201x, Telecommunications Infrastructure Standard for Industrial Premises - Addendum 2: Performance Requirements for Four-Pair Industrial Cables and Cabling Supporting 1000BASE-T for MICE2 and MICE3 Environments (addenda to ANSI/TIA 1005-A-2012)

Create an addendum to ANSI/TIA-1005-A defining enhanced performance requirements for four-pair industrial cables and cabling supporting 1000BASE-T in MICE2 and MICE3 environments. This addendum will use Connectivity already specified in ANSI/TIA-1005-A.

Single copy price: \$64.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

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

BSR/UL 61010-1-201X, Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements (national adoption of IEC 61010-1 with modifications and revision of ANSI/UL 61010-1-2016)

This proposal includes the following updates: (1) the UL adoption of IEC 61010-1 Ed 3.1 issued 2017-01 Amendment 1; and (2) Revisions to Annex DVE for Permanently Installed Equipment.

Single copy price: Free

Obtain an electronic copy from: <http://www.shopulstandards.com>

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

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

BSR/UL 508A-201x, Standard for Safety for Industrial Control Panels (new standard)

These requirements cover industrial control panels intended for general industrial use, operating from a voltage of 600 volts or less. This equipment is intended for installation in ordinary locations, in accordance with the National Electrical Code, ANSI/NFPA 70, where the ambient temperature does not exceed 40°C (104°F) maximum. Industrial control panels are widely used throughout the United States. UL 508A is already recognized as the standard covering these products in the United States. Therefore, UL 508A should be recognized as an ANSI-approved US National Standard.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: <http://www.shopulstandards.com>

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

Send comments (with copy to psa@ansi.org) to: Casey Granata, (919) 549-1054, Casey.Granata@UL.Com

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

BSR/UL 3030-201x, Standard for Safety for Unmanned Aircraft Systems (new standard)

This proposed first edition of the Standard for Unmanned Aircraft Systems covers the electrical system of unmanned aircraft systems (UASs) used in flight for commercial applications or flight incidental to business applications in accordance with U.S. Federal Regulation 14 CFR 107. The UASs are operated by remote pilots and are less than 55 lbs (25 kg). The UAS is to have an internal lithium ion battery charged from an external source, have an operating voltage no greater than 100 V dc, and be for outdoor use. Also covered: electrical shock, fire and explosion hazards associated with the inherent features of the UASs, and the battery and charger system combinations to recharge them.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: <http://www.shopulstandards.com>

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

Send comments (with copy to psa@ansi.org) to: Barbara Davis, (510) 319-4233, Barbara.J.Davis@ul.com

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

BSR/UL 732-1997 (R201x), Standard for Safety for Oil-Fired Storage Tank Water Heaters (reaffirmation of ANSI/UL 732-1997 (R2013))

These requirements cover oil-fired storage-tank water-heating appliances having a fuel input of not more than 200,000 Btu per hour (60 kW). These requirements do not apply to heaters that include storage vessels having a water capacity of more than 120 gallons (454.2 liters), or that are intended for heating water to a temperature of more than 200°F (93.3°C).

Single copy price: Free

Obtain an electronic copy from: <http://www.shopulstandards.com>

Send comments (with copy to psa@ansi.org) to: Marcia Kawate, (510) 319-4259, Marcia.M.Kawate@ul.com

VITA (VMEbus International Trade Association (VITA))**New Standard**

BSR/VITA 47.0-201x, Construction, Safety, and Quality for Plug-In Modules Standard (new standard)

The VITA 47 group of standards defines environmental, design and construction, safety, and quality requirements for commercial-off-the-shelf (COTS) Plug-In Modules intended for ground and aerospace applications.

Single copy price: \$25.00

Obtain an electronic copy from: admin@vita.com

Send comments (with copy to psa@ansi.org) to: admin@vita.com

Comment Deadline: July 17, 2018

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

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

BSR/ASME PTC 19.11-2008 (R201x), Steam and Water Sampling, Conditioning, and Analysis in the Power Cycle (reaffirmation of ANSI/ASME PTC 19.11-2008 (R2013))

The object of this Code is to specify and discuss the methods and instrumentation for testing boiler makeup and feedwater, steam, and condensate in relation to performance testing as may be required in Performance Test Codes in a one-time acceptance testing and continuous performance monitoring.

Single copy price: \$98.00

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

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

Send comments (with copy to psa@ansi.org) to: Angel Guzman, (212) 591-8018, guzman@asme.org

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

BSR/IEEE 802.1CB-201x, Standard for Local and Metropolitan Area Networks - Frame Replication and Elimination for Reliability (new standard)

This standard specifies procedures, managed objects and protocols for bridges and end systems that provide identification and replication of packets for redundant transmission, identification of duplicate packets, and elimination of duplicate packets. It is not concerned with the creation of the multiple paths over which the duplicates are transmitted.

Single copy price: \$145.00 (pdf); \$181.00 (print)

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

Send comments (with copy to psa@ansi.org) to: k.evangelista@ieee.org

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

BSR/IEEE 802.15.3d-201x, Standard for High Data Rate Wireless Multi-Media Networks - Amendment 2: 100 Gb/s Wireless Switched Point-to-Point Physical Layer (new standard)

This amendment defines a wireless switched point-to-point physical layer to IEEE Std. 802.15.3 operating at a nominal PHY data rate of 100 Gb/s with fallbacks to lower data rates as needed. Operation is considered in bands from 252 GHz to 325

GHz at ranges as short as a few centimeters and up to several 100 m. Additionally, modifications to the Medium Access Control (MAC) layer, needed to support this new physical layer, are defined.

Single copy price: \$75.00 (pdf); \$95.00 (print)

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

Send comments (with copy to psa@ansi.org) to: k.evangelista@ieee.org

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

BSR/IEEE 844.2-201x, Standard for Skin Effect Trace Heating of Pipelines, Vessels, Equipment, and Structures - General, Testing, Marking, and Documentation Requirements (new standard)

This standard applies to general, testing, marking, and documentation requirements for skin effect trace 2 heating systems rated up to and including 5 kVac and 260°C maximum skin effect insulated conductor temperature. These heating systems are intended for installation in accordance with the CSA C22.1, Canadian Electrical Code, Part I (CE Code); NFPA 70, National Electrical Code® (NEC®) in the U.S.; or with any other national electrical installation code, as applicable.

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

BSR/IEEE 1818-201x, Guide for the Design of Low-Voltage Auxiliary Systems for Electric Power Substations (new standard)

This guide will consider the components of both the ac and dc systems and provide guidelines and recommendations for designing the appropriate systems for the substation under consideration. This guide covers the low voltage auxiliary systems from the source(s) to the distribution point(s). Reliability requirements and load characteristics are discussed and distribution methods are recommended.

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

BSR/IEEE 1856-201x, Standard Framework for Prognostics and Health Management of Electronic Systems (new standard)

This standard covers all aspects of PHM of electronic systems, including definitions, approaches, algorithms, sensors and sensor selection, data collection, storage and analysis, anomaly detection, diagnosis, decision and response effectiveness, metrics, life-cycle cost of implementation, return on investment, and documentation. This standard describes a normative framework for classifying PHM capability and for planning the development of PHM for an electronic system or product. The use of this standard is not required throughout the industry. This standard provides information to aid practitioners in the selection of PHM strategies and approaches to meet their needs.

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

BSR/IEEE 1871.2-201x, Recommended Practice for IEEE 1671 Test Equipment Templates and Extension Classes for Describing Intrinsic Signal Path Information for Cables, Interface Adapters, and Test Equipment (new standard)

This document provides a recommended practice for using IEEE 1671 compliant test equipment templates for applications employing intrinsic path information for cables, interface adapters, and test equipment for the purpose of documenting and enabling programmatic access to the intrinsic characteristics of path-related resources found in automated test systems.

Single copy price: \$52.00 (pdf); \$65.00 (print)

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

BSR/IEEE 11073-10425-201x, Health informatics - Personal health device communication - Part 10425: Device Specialization - Continuous Glucose Monitor (CGM) (new standard)

This standard establishes a normative definition of communication between personal-health continuous glucose monitor (CGM) devices (agents) and managers [e.g., cell phones, personal computers (PCs), personal health appliances, set top boxes] in a manner that enables plug-and-play interoperability. It leverages work done in other ISO/IEEE 11073 standards including existing terminology, information profiles, application profile standards, and transport standards. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability.

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

BSR/IEEE 62704-1-201x, International Standard for Determining the Peak Spatial Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz - 6 GHz - Part 1: General Requirements for Using the Finite Difference Time Domain (FDTD) Method for SAR Calculations (new standard)

This part of IEC/IEEE 62704 defines the methodology for the application of the finite-difference time domain (FDTD) technique when used for determining the peak spatial-average specific absorption rate (SAR) in the human body exposed to wireless communication devices with known uncertainty. It defines methods to validate the numerical model of the device under test (DUT) and to assess its uncertainty when used in SAR simulations. Moreover, it defines procedures to determine the peak spatial-average SAR in a cubical volume and to validate the correct implementation of the FDTD simulation software. The applicable frequency range is 30 MHz to 6 GHz.

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

BSR/IEEE 62704-3-201x, Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz - 6 GHz - Part 3: Specific Requirements for Using the Finite Difference Time Domain (FDTD) Method for SAR Calculations of Mobile Phones (new standard)

This part of IEC/IEEE 62704-3 defines the concepts, techniques, benchmark phone models, validation procedures, uncertainties and limitations of the finite difference time domain (FDTD) technique when used for determining the peak spatial-average specific absorption rate (SAR) in standardized head and body phantoms exposed to the electromagnetic fields generated by wireless communication devices, in particular pre-compliance assessment of mobile phones, in the frequency range from 30 MHz to 6 GHz.

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

BSR/IEEE C37.246-201x, Guide for Protection Systems of Transmission to Generation Interconnections (new standard)

This Guide documents accepted protection practices for transmission to generation interconnections. It is intended to cover the protection system applications at the interconnections between transmission systems and generation facilities greater than 10 MVA. This Guide does not cover distributed energy resources.

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

BSR/IEEE 387-201x, Standard for Criteria for Diesel Generator Units Applied as Standby Power Supplies for Nuclear Power Generating Stations (revision of ANSI/IEEE 387-1995 (R2008))

This standard defines the criteria for the application and testing of diesel-generator units used as Class 1E standby power supplies in nuclear-power generating stations.

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

BSR/IEEE 442-201x, Guide for Thermal Resistivity Measurements of Soils and Backfill Materials (revision of ANSI/IEEE 442-1981)

This guide covers the measurement of thermal resistivity of soil and backfill materials to include concrete, engineered backfills, grout, rock, sand, and any other material used to encase the cable system installed in the ground. A thorough knowledge of the thermal properties of a soil or backfill material will enable the

user to properly design, thermally rate and load underground cables. The method is based on the theory that the rate of temperature rise of a line heat source embedded in the soil is dependent upon the thermal constants, including the thermal resistivity, of the medium in which it is placed. The designs for both laboratory and field thermal probes are also described in this guide.

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

BSR/IEEE 1076.1-201x, Standard VHDL Analog and Mixed-Signal Extensions (revision of ANSI/IEEE 1076.1-2007)

This standard defines the IEEE 1076.1™ language, a hardware description language for the description and the simulation of analog, digital, and mixed-signal systems. Informally called VHDL-AMS (VHSIC Hardware Description Language for Analog and Mixed-Signal, where VHSIC stands for Very High Speed Integrated Circuits), the language is built on the IEEE 1076™ (VHDL) language and extends it to provide capabilities of writing and simulating analog and mixed-signal models.

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

BSR/IEEE 1458-201x, Recommended Practice for the Selection, Field Testing, and Life Expectancy of Molded-Case Circuit Breakers for Industrial Applications (revision of ANSI/IEEE 1458-2010)

This document provides a recommended practice for the selection, application, and determination of the remaining life in molded-case circuit breakers used in industrial applications.

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

BSR/IEEE 2410-201x, Standard for Biometric Open Protocol (revision of ANSI/IEEE 2410-2015)

The Biometric Open Protocol Standard (BOPS) provides identity assertion, role gathering, multilevel access control, assurance, and auditing. The BOPS implementation includes software running on a client (e.g., web or mobile), a trusted BOPS Server, and an intrusion detection system (IDS). The BOPS implementation allows pluggable components to replace existing components' functionality, accepting integration into the current operating environments in a short period of time. The BOPS implementation adheres to the principle of continuous protection in adjudicating access to resources. Accountability is the mechanism that proves a service-level guarantee of security. The BOPS implementation allows the systems to meet security needs by using the application-programming interface (API).

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

BSR/IEEE 12207-201x, ISO/IEC/IEEE International Standard - Systems and software engineering - Software life cycle processes (revision of ANSI/IEEE 12207-2008)

This document establishes a common framework for software life cycle processes, with well-defined terminology, that can be referenced by the software industry. It contains processes, activities, and tasks that are applicable during the acquisition, supply, development, operation, maintenance or disposal of software systems, products, and services. These life cycle processes are accomplished through the involvement of stakeholders, with the ultimate goal of achieving customer satisfaction.

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

BSR/IEEE C57.12.20-201x, Standard for Overhead-Type Distribution Transformers 500 kVA and Smaller; High Voltage, 34 500 V and Below; Low Voltage, 7970/13 800Y V and Below (revision of ANSI/IEEE C57.12.20-2011)

This standard covers certain electrical, dimensional, and mechanical characteristics and safety features of single- and three-phase, 60-Hz, liquid-immersed, self-cooled, overhead-type distribution transformers 500 kVA and smaller, high voltages 34 500 V and below; and low voltages 7970/13 800Y V and below.

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

BSR/IEEE C62.34-3027-201x, Standard for Test Methods and Performance of Low-Voltage (1000 V rms or less) Surge Protective Devices Used on Secondary Distribution Systems (Between the Transformer Low-Voltage Terminals and the Line Side of the Service Entrance Equipment) (revision of ANSI/IEEE C62.34-1996)

This standard applies to surge protective devices designed for application on the low-voltage supply mains (1000 V(rms) and less, frequency between 48 Hz and 62 Hz) and intended to be connected at locations between, and including, the secondary terminals of the distribution transformer and the line side of the service equipment. Such surge protective devices are also known in the electric utility industry as secondary arresters. Underwriters Laboratories also lists them as Type 1 SPDs (surge protective devices). This standard is coordinated with C62.44 (the application guide), NEC Article 285, and ANSI/UL 1449.

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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 11138-2-199x, Sterilization of Health Care Products - Biological Indicators - Part 2: Biological Indicators for Ethylene Oxide Sterilization (revision and redesignation of ANSI/AAMI ST21-1986)

AAMI (Association for the Advancement of Medical Instrumentation)

BSR/AAMI HIT1000-201x, Risk Management for Health-IT (new standard)

AAMI (Association for the Advancement of Medical Instrumentation)

BSR/AAMI HIT2000-201x, Application of Quality Management Principles and Practices to Health IT (new standard)

AAMI (Association for the Advancement of Medical Instrumentation)

BSR/AAMI ST79-2010/A2.4-201x, Design considerations (addenda to ANSI/AAMI ST79-2010)

AAMI (Association for the Advancement of Medical Instrumentation)

BSR/AAMI ST79-2010/A2.6-201x, Comprehensive guide to steam sterilization and sterility assurance in health care facilities (addenda to ANSI/AAMI ST79-2010)

Inquiries may be directed to Susan Gillespie, (703) 525-4890, sgillespie@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

BSR/AAMI ST41, 4th edition-200x, Ethylene oxide sterilization in health care facilities: Safety and effectiveness (revision of ANSI/AAMI ST41-1999 (R2005))

AAMI (Association for the Advancement of Medical Instrumentation)

BSR/AAMI/IEC 601-1-2-199x, Medical Electrical Equipment - General Requirements for Safety - Part 1: General Requirements for Safety. 2. Collateral standard: Electromagnetic Compatibility - Requirements and Tests (identical national adoption of IEC 601-1-2)

AAMI (Association for the Advancement of Medical Instrumentation)

BSR/AAMI/IEC 60601-1-2, Ed. 2-200x, Medical Electrical Equipment - Part 1-2: General Requirements for Basic Safety and Essential Performance - Collateral Standard: Electromagnetic Disturbances - Requirements and Tests (identical national adoption of IEC 60601-1-2 and revision of ANSI/AAMI/IEC 60601-1-2, Ed.2-2007)

AAMI (Association for the Advancement of Medical Instrumentation)

BSR/AAMI/IEC 60601-1-2, Ed. 2-200x, Medical electrical equipment - Part 1-2: General requirements for safety - Collateral standard: Electromagnetic compatibility - Requirements and tests (revision, redesignation and consolidation of ANSI/AAMI/IEC 60601-1-2-2001, ANSI/AAMI/IEC 60601-1-2:2001/A1-2004)

AAMI (Association for the Advancement of Medical Instrumentation)

BSR/AAMI/ISO 10993-4-200x, Biological evaluation of medical devices - Part 4: Selection of tests for interactions with blood (identical national adoption of ISO 10993-4:200X and revision of ANSI/AAMI/ISO 10993-4-2002 & ANSI/AAMI/ISO 10993-4-Amd1-2006)

AAMI (Association for the Advancement of Medical Instrumentation)

BSR/AAMI/ISO 10993-17-200x, Biological evaluation of medical devices, Part 17: Methods for the establishment of allowable limits for leachable substances using health based risk assessment (identical national adoption of ISO 10993-17)

AAMI (Association for the Advancement of Medical Instrumentation)

BSR/AAMI/ISO 10993-19-200x, Biological evaluation of medical devices - Part 19: Physico-chemical, morphological and topographical characterization of materials (identical national adoption of ISO 10993-19)

AAMI (Association for the Advancement of Medical Instrumentation)

BSR/AAMI/ISO 11137-4-200x, Sterilization of Health Care Products - Requirements for the Development, Validation and Routine Control of a Sterilization Process for Medical Devices - Radiation - Part 4: Dosimetry, Dose Mapping, and Routine Monitoring (identical national adoption of ISO/NP TS 11137-4 and revision of ANSI/AAMI/ISO 11137-1994)

AAMI (Association for the Advancement of Medical Instrumentation)

BSR/AAMI/ISO TS 12417-201x, Cardiovascular Implants - Vascular device-drug combination products (identical national adoption of ISO/TS 12417)

AAMI (Association for the Advancement of Medical Instrumentation)

BSR/AAMI/ISO TS 23810-201x, Cardiovascular implants and artificial organs - Checklist for preoperative extracorporeal circulation equipment setup (identical national adoption of ISO/TS 23810)

AAMI (Association for the Advancement of Medical Instrumentation)

BSR/AAMI/ISO TIR 29741-200x, Development of Tolerable Intake Values for Di(2-ethylhexyl)phthalate (DEHP) (identical national adoption of ISO/TS 29741:200x)

30 Day Notice of Withdrawal: ANS 5 to 10 years past approval date

In accordance with clause 4.7.1 Periodic Maintenance of American National Standards of the ANSI Essential Requirements, the following American National Standards have not been reaffirmed or revised within the five-year period following approval as an ANS. Thus, they shall be withdrawn at the close of this 30-day public review notice in Standards Action.

IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

ANSI N42.48-2008, Performance Requirements for Spectroscopic Personal Radiation Detectors (SPRDs)

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 11-2000 (R2006), Standard for Rotating Electric Machinery for Rail and Road Vehicles

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 95-2002 (R2007), Recommended Practice for Insulation Testing of AC Electric Machinery (2300 V and Above) with High Direct Voltage

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IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 99-2007, Recommended Practice for the Preparation of Test Procedures for the Thermal Evaluation of Insulation Systems for Electrical Equipment

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 111-2000 (R2008), Standard for Wide-Band (Greater than 1 Decade) Transformers

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 120-1989 (R2007), Master Test Guide for Electrical Measurements in Power Circuits

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 125-2007, Recommended Practice for Preparation of Equipment Specifications for Speed-Governing of Hydraulic Turbines Intended to Drive Electric Generators

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 142-2007, Recommended Practice for Grounding of Industrial and Commercial Power Systems

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 252-1995 (R2007), Standard Test Procedure for Polyphase Induction Motors Having Liquid in the Magnetic Gap

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IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 260.3-1993 (R2006), Mathematical Signs and Symbols for Use in Physical Sciences and Technology

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 277-2007, Recommended Practice for Cement Plant Power Distribution

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 287-2007, Standard for Precision Coaxial Connectors (DC to 110 GHz)

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IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 295-1969 (R2007), Standard for Electronics Power Transformers

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 299-2006, Standard Method for Measuring the Effectiveness of Electromagnetic Shielding Enclosures

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 334-2006, Standard for Qualifying Continuous Duty Class 1E Motors for Nuclear Power Generating Stations

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 338-2007, Standard Criteria for the Periodic Surveillance Testing of Nuclear Power Generating Station Safety Systems

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 382-2006, Standard for Qualification of Safety-Related Actuators for Nuclear Power Generating Stations

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 387-1995 (R2008), Standard Criteria for Diesel-Generator Units Applied as Standby Power Supplies for Nuclear Power Generating Stations

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 388-1992 (R2007), Standard for Transformers and Inductors in Electronic Power Conversion Equipment

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ANSI/IEEE 390-2007, Standard for Pulse Transformers

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ANSI/IEEE 393-1991 (R2007), Standard for Test Procedures for Magnetic Cores

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IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 400.1-2007, Guide for Field Testing of Laminated Dielectric, Shielded Power Cable Systems Rated 5 kV and Above with High Direct Current Voltage

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 400.3-2006, Guide for Partial Discharge Testing of Shielded Power Cable Systems in a Field Environment

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IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 404-2007, Standard for Extruded and Laminated Dielectric Shielded Cable Joints Rated 2500 V - 500 000 V

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IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 421.1-2007, Standard Definitions for Excitation Systems for Synchronous Machines

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ANSI/IEEE 436-1991 (R2007), Guide for Making Corona (Partial Discharge) Measurements on Electronics Transformers

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ANSI/IEEE 449-1998 (R2007), Standard for Ferroresonant Voltage Regulators

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ANSI/IEEE 463-2006, Standard for Electrical Safety Practices in Electrolytic Cell Line Working Zones

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IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 475-2000 (R2006), Standard Measurement Procedure for Field Disturbance Sensors 300 MHz to 40 GHz

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IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 493-2007, Recommended Practice for the Design of Reliable Industrial and Commercial Power Systems

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ANSI/IEEE 495-2007, Guide for Testing Faulted Circuit Indicators

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ANSI/IEEE 497-2002/Cor1-2007, Standard Criteria for Accident Monitoring Instrumentation for Nuclear Power Generating Stations - Corrigendum 1: Incorporation of User Feedback through 2005

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

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ANSI/IEEE 528-2001 (R2007), Standard for Inertial Sensor Terminology

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IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 532-2007, Guide for Selecting and Testing Jackets for Power, Instrumentation and Control Cables

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IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 535-2006, Standard for Qualification of Class 1E Lead Storage Batteries for Nuclear Power Generating Stations

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IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 551-2006, Recommended Methods for Calculating AC Short-Circuit Currents in Industrial and Commercial Power Systems

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 563-1991 (R2007), Guide on Conductor Self-Damping Measurements

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IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 602-2007, Recommended Practice for Electric Systems in Health Care Facilities

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IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 628-2001 (R2007), Standard Criteria for the Design, Installation, and Qualification of Raceway Systems for Class 1E Circuits for Nuclear Power Generating Stations

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 638-1992 (R2006), Standard for Qualification of Class 1E Transformers for Nuclear Power Generating Stations

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 650-2006, Standard for Qualification of Class 1E Static Battery Chargers and Inverters for Nuclear Power Generating Stations

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 656-1993 (R2006), Standard for the Measurement of Audible Noise from Overhead Transmission Lines

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 664-1994 (R2007), Guide for Laboratory Measurement of the Power Dissipation Characteristics of Aeolian Vibration Dampers for Single Conductors

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

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ANSI/IEEE 666-2006, Design Guide for Electric Power Service Systems for Generating Stations

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ANSI/IEEE 691-2007, Guide for Transmission Structure Foundation Design and Testing

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IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 716-1995 (R2006), Standard Test Language for All Systems - Common/Abbreviated Test Language for All Systems (C/ATLAS)

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 738-2006, Standard for Calculating the Current-Temperature of Bare Overhead Conductors

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IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 741-2007, Standard Criteria for the Protection of Class 1E Power Systems and Equipment in Nuclear Power Generating Stations

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 762-2006, Standard Definitions for Use in Reporting Electric Generating Unit Reliability, Availability, and Productivity

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 802.1AE-2006, Standard for Local and Metropolitan Area Networks: Media Access Control (MAC) Security

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 802.1ag-2007, Standard for Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks - Amendment 5: Connectivity Fault Management

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 802.1ak-2007, Standard for Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks - Amendment 07: Multiple Registration Protocol

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 802.11-2007, Standard for Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks - Specific Requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 802.15.4a-2007, Standard for Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks - Specific Requirements - Part 15.4: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Low-Rate Wireless Personal Area Networks (LR-WPANS): Amendment to Add Alternate PHY

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 802.17b-2007, Standard for Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks - Specific Requirements - Part 17: Resilient Packet Ring (RPR) Access Method and Physical Layer Specifications - Amendment 1 - Spatially Aware Sublayer

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 802.16/Conformance04-2006, Standard for Conformance to IEEE 802.16 - Part 4: Protocol Implementation Conformance Statement (PICS) Proforma for Frequencies below 11 GHz

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 935-1995 (R2006), Guide on Terminology for Tools and Equipment to Be Used in Live Line Working

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 937-2007, Recommended Practice for Installation and Maintenance of Lead-Acid Batteries for Photovoltaic (PV) Systems

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1013-2007, Recommended Practice for Sizing Lead-Acid Batteries for Stand-Alone Photovoltaic (PV) Systems

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1015-2006, Recommended Practice for Applying Low-Voltage Circuit Breakers Used in Industrial and Commercial Power Systems

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1057-2007, Standard for Digitizing Waveform Recorders

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1063-2002 (R2007), Standard for Software User Documentation

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1070-2006, Guide for the Design and Testing of Transmission Modular Restoration Structure Components

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1074-2006, Standard for Developing a Software Project Life Cycle Process

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1076.1-2007, Standard VHDL Analog and Mixed-Signal Extensions

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1110-2002 (R2007), Guide for Synchronous Generator Modeling Practices and Applications in Power System Stability Analyses

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1115a-2007, Recommended Practice for Sizing Nickel-Cadmium Batteries for Stationary Applications - Amendment 1: Additional Discussion on Sizing Margins

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1122-2007, Standard for Digital Recorders for Measurements in High-Voltage Impulse Tests

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1175.1-2002 (R2007), Guide for CASE Tool Interconnections - Classification and Description

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1184-2006, Guide for Batteries for Uninterruptible Power Supply Systems

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1189-2007, Guide for Selection of Valve-Regulated Lead-Acid (VRLA) Batteries for Stationary Applications

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1205-2000 (R2007), Guide for Assessing, Monitoring, and Mitigating Aging Effects on Class 1E Equipment Used in Nuclear Power Generating Stations

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1216-2000 (R2006), Guide for the Application of Faulted Circuit Indicators for 200 A, Single-Phase Underground Residential Distribution (URD)

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1234-2007, Guide for Fault Locating Techniques on Shielded Power Cable Systems

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1240-2000 (R2006), Guide for the Evaluation of the Reliability of HVDC Converter Stations

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1255-2000 (R2007), Guide for Evaluation of Torque Pulsations during Starting of Synchronous Motors

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1260-2007, Guide on the Prediction, Measurement, and Analysis of AM Broadcast Reradiation by Power Lines

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1368-2006, Guide for Aeolian Vibration Field Measurements of Overhead Conductors

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1379-2000 (R2006), Recommended Practice for Data Communications Between Remote Terminal Units and Intelligent Electronic Devices in a Substation

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1407-2007, Guide for Accelerated Aging Tests for Medium-Voltage (5 kV-35 kV) Extruded Electric Power Cables Using Water-Filled Tanks

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1425-2001 (R2007), Guide for the Evaluation of the Remaining Life of Impregnated Paper-Insulated Transmission Cable Systems

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1427-2006, Guide for Recommended Electrical Clearances and Insulation Levels in Air Insulated Electrical Power Substations

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1450.3-2007, Standard for Extensions to Standard Test Interface Language (STIL) (IEEE Std. 1450-1999) for Tester Target Specification

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1451.0-2007, Standard for a Smart Transducer Interface for Sensors and Actuators - Common Functions, Communication Protocols, and Transducer Electronic Data Sheet (TEDS) Formats

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1451.5-2007, Standard for a Smart Transducer Interface for Sensors and Actuators - Wireless Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1455-1999 (R2006), Standard for Message Sets for Vehicle/Roadside Communications

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1483-2000 (R2007), Standard for Verification of Vital Functions in Processor-Based Systems Used in Rail Transit Control

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1484.20.1-2007, Standard for Learning Technology - Data Model for Reusable Competency Definitions

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1493-2006, Guide for the Evaluation of Solvents Used for Cleaning Electrical Cables and Accessories

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1502-2007, Recommended Practice for Radar Cross Section Test Procedures

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1512.1-2006, Standard for Common Traffic Incident Management Message Sets for Use by Emergency Management Centers

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1512.3-2006, Standard for Hazardous Material Incident Management Message Sets for Use by Emergency Management Centers

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1512-2006, Standard for Common Incident Management Message Sets for Use by Emergency Management Centers

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1516.4-2007, Recommended Practice for Verification, Validation, and Accreditation of a Federation - an Overlay to the High Level Architecture Federation Development and Execution Process

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1542-2007, Guide for Installation, Maintenance, and Operation of Irrigation Equipment Located Near or Under Power Lines

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1546-2000 (R2006), Guide for Digital Test Interchange Format (DTIF) Application

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1547.3-2007, Guide for Monitoring, Information Exchange, and Control of Distributed Resources Interconnected with Electric Power Systems

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1553-2007, Standard for Voltage Endurance Testing of Form-Wound Coils and Bars for Hydrogenerators

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1561-2007, Guide for Optimizing the Performance and Life of Lead-Acid Batteries in Remote Hybrid Power Systems

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1578-2007, Recommended Practice for Stationary Battery Electrolyte Spill Containment and Management

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1585-2002 (R2007), Guide for the Functional Specification of Medium Voltage (1- 35kV) Electronic Series Devices for Compensation of Voltage Fluctuations

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1615-2007, Recommended Practice for Network Communication in Electric Power Substations

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1617-2007, Guide for Detection, Mitigation, and Control of Concentric Neutral Corrosion in Medium Voltage Underground Cables

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1619.1-2007, Standard for Authenticated Encryption with Length Expansion for Storage Devices

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1620.1-2006, Standard for Test Methods for the Characterization of Organic Transistor-Based Ring Oscillators

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1661-2007, Guide for Test and Evaluation of Lead-Acid Batteries Used in Photovoltaic (PV) Hybrid Power Systems

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1672-2006, Standard for Ultrawideband Radar Definitions

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 1015/Cor1-2007, Recommended Practice for Applying Low Voltage Circuit Breakers Used in Industrial and Commercial Power Systems - Corrigendum 1

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE 16085-2006, Systems and Software Engineering - Life Cycle Processes - Risk Management

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.04-1999 (R2006), Standard Rating Structure for AC High-Voltage Circuit Breakers

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.09-1999 (R2007), Standard Test Procedure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis [Also C37.09a-2005 and C37.09-1999/Cor1-2007]

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.09-1999/Cor1-2007, Standard Test Procedure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis - Corrigendum 1

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.016-2006, Standard for AC High-Voltage Circuit Switchers rated 15.5 kV through 245 kV

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.20.1a-2005 (R2008), Standard for Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear - Amendment 1: Short-Time and Short-Circuit Withstand Current Tests; Minimum Areas for Multiple Cable Connections

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.20.1b-2006 (R2008), Standard for Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear - Amendment 2: Additional Requirements for Control and Auxiliary Power Wiring in DC Traction Power Switchgear

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.20.3-2001 (R2006), Standard for Metal-Enclosed Interrupter Switchgear

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.20.7-2007, Guide for Testing Metal-Enclosed Switchgear Rated Up to 38kV for Internal Arcing Faults

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.082-1982 (R2006), Standard Methods for the Measurement of Sound Pressure Levels of AC Power Circuit Breakers

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.083-1999 (R2007), Guide for Synthetic Capacitive Current Switching Tests of AC High-Voltage Circuit Breakers

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.90.3-2001 (R2006), Standard Electrostatic Discharge Tests for Protective Relays

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.100.1-2007, Standard of Common Requirements for High Voltage Power Switchgear Rated above 1000 V

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.101-2006, Guide for Generator Ground Protection

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IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.101-2006/Cor 1-2007, Guide for Generator Ground Protection - Corrigendum 1: Annex A.2 Phasor Analysis (Informative)

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.109-2006, Guide for the Protection of Shunt Reactors

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.110-2007, Guide for the Application of Current Transformers Used for Protective Relaying Purpose

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.112-1996 (R2007), Standard Inverse-Time Characteristic Equations for Overcurrent Relays

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.116-2007, Guide for Protective Relay Application to Transmission-Line Series Capacitor Banks

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.117-2007, Guide for the Application of Protective Relays Used for Abnormal Frequency Load Shedding and Restoration

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.230-2007, Guide for Protective Relay Applications to Distribution Lines

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.231-2006, Recommended Practice for Microprocessor-Based Protection Equipment Firmware Control

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C37.235-2007, Guide for the Application of Rogowski Coils used for Protective Relaying Purposes

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C57.12.35-2007, Standard for Bar Coding for Distribution Transformers and Step-Voltage Regulators

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C57.12.37-2006, Standard for the Electronic Reporting of Distribution Transformer Test Data

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C57.12.40-2006, Standard Requirements for Secondary Network Transformers, Subway and Vault Types (Liquid-Immersed)

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C57.12.70-2000 (R2006), Standard Terminal Markings and Connections for Distribution and Power Transformers

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C57.13.1-2006, Guide for Field Testing of Relaying Current Transformers

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C57.93-2007, Guide for Installation and Maintenance of Liquid-Immersed Power Transformers

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C57.120-1991 (R2006), Loss Evaluation Guide for Power Transformers and Reactors

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C57.127-2007, Guide for the Detection and Location of Acoustic Emissions from Partial Discharges in Oil-Immersed Power Transformers and Reactors

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C57.129-2007, Standard for General Requirements and Test Code for Oil-Immersed HVDC Converter Transformers

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C95.1-2006, Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C135.61-2006, Standard for the Testing of Overhead Transmission and Distribution Line Hardware

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

IEEE (Institute of Electrical and Electronics Engineers)

ANSI/IEEE C135.63-1998 (R2006), Standard for Shoulder Live Line Extension Links for Overhead Line Construction

Questions may be directed to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

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

ASTM (ASTM International)

ANSI/ASTM D6864-2011, Specification for Color and Appearance Retention of Solid Colored Plastic Siding Products

Questions may be directed to: Corice Leonard, (610) 832-9744, accreditation@astm.org

ASTM (ASTM International)

ANSI/ASTM D7251-2011, Specification for Color and Appearance Retention of Variegated Color Plastic Siding Products

Questions may be directed to: Corice Leonard, (610) 832-9744, accreditation@astm.org

Call for Members (ANS Consensus Bodies)

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

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 11737-2-201x, Sterilization of medical devices - Microbiological methods - Part 2: Tests of sterility performed in the definition, validation and maintenance of a sterilization process (identical national adoption of ISO 11737-2 (in development) and revision of ANSI/AAMI/ISO 11737-2-2009 (R2014))

ASA (ASC S1) (Acoustical Society of America)

Office: 1305 Walt Whitman Road Suite 300
Melville, NY 11747

Contact: *Neil Stremmel*

Phone: (631) 390-0215

Fax: (631) 923-2875

E-mail: asastds@acousticalsociety.org

BSR ASA S1.13-201x, Measurement of Sound Pressure Levels in Air (revision of ANSI ASA S1.13-2005 (R2010))

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 814-C/J-STD-42-C-201x, Emergency Alert Messaging for Cable (revision and redesignation of ANSI J-STD-42-B-2013)

BSR/CTA/CEDIA 863-B-2011 (R201x), Connection Color Codes for Home Theater Systems (reaffirmation of ANSI/CTA/CEDIA 863-B-2011)

BSR/CTA/CEDIA 2030-A-2011 (R201x), Multi-Room Audio Cabling Standard (reaffirmation of ANSI/CTA/CEDIA 2030-A-2011)

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

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

BSR/ASSE 1008-201x, Plumbing Aspects of Residential Food Waste Disposer Units (new standard)

BSR/ASSE 1010-201x, Water Hammer Arresters (revision of ANSI/ASSE 1010-201x)

BSR/ASSE 1012-201x, Backflow Preventers with an Intermediate Atmospheric Vent (revision of ANSI/ASSE 1012-2009)

BSR/ASSE 1018-201x, Trap Seal Primer Valves -Potable Water Supplied (new standard)

BSR/ASSE 1035-201x, Laboratory Faucet Backflow Preventers (revision of ANSI/ASSE 1035-2008)

BSR/ASSE 1053-201x, Dual Check Backflow Preventer Wall Hydrants - Freeze Resistant Type (new standard)

BSR/ASSE 1072-201x, Barrier Type Floor Drain Trap Seal Protection Devices (new standard)

MHI (Material Handling Industry)

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Suite 201
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Contact: *Patrick Davison*

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E-mail: pdavison@mhi.org

BSR MH28.3-201x, Design, Testing and Utilization of Industrial Steel Work Platforms (revision of ANSI MH28.3-2009)

NEMA (ASC C8) (National Electrical Manufacturers Association)

Office: 1300 North 17th Street
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Contact: *Khaled Masri*

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BSR ICEA S-107-704-201X, Broadband Buried Service Wire, Filled, Polyolefin Insulated, Copper Conductor. (revision of ANSI ICEA S-107-704-2012)

BSR/ICEA S-106-703-201x, Broadband Aerial Service Wire Aircore,
Polyolefin Insulated Conductor (revision of ANSI ICEA S-106-703
-2012)

NSF (NSF International)

Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723

Contact: *Allan Rose*

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Fax: (734) 827-7875

E-mail: arose@nsf.org

BSR/NSF 6-201x (i14r2), Dispensing Freezers (revision of ANSI/NSF 6
-2016)

BSR/NSF 14-201x (i96r1), Plastics Piping System Components and
Related Materials (revision of ANSI/NSF 14-2017)

BSR/NSF 49-201x (i125r1), Biosafety Cabinetry: Design, Construction,
Performance, and Field Certification (revision of ANSI/NSF 49-2016)

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

Office: 1560 Wilson Blvd.
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Contact: *Yvonne Meding*

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BSR/RESNA WC-4-201x, RESNA Standard for or Wheelchairs, Volume
4: Wheelchairs and Transportation (national adoption of ISO 10865-1
with modifications and revision of ANSI/RESNA WC-4-2017)

TIA (Telecommunications Industry Association)

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

Contact: *Teesha Jenkins*

Phone: (703) 907-7706

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E-mail: standards@tiaonline.org

BSR/TIA 1005-A-2-201x, Telecommunications Infrastructure Standard
for Industrial Premises - Addendum 2: Performance requirements for
four-pair industrial cables and cabling supporting 1000BASE-T for
MICE2 and MICE3 environments (addenda to ANSI/TIA 1005-A
-2012)

VITA (VMEbus International Trade Association (VITA))

Office: 929 W. Portobello Avenue
Mesa, AZ 85210

Contact: *Jing Kwok*

Phone: (602) 281-4497

E-mail: jing.kwok@vita.com

BSR/VITA 47.0-201x, Construction, Safety, and Quality for Plug-In
Modules Standard (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.

ASTM (ASTM International)

New Standard

ANSI/ASTM E3159-2018, Guide to General Reliability (new standard): 4/24/2018

Reaffirmation

ANSI/ASTM D4803-2010 (R2018), Test Method for Predicting Heat Buildup in PVC Building Products (reaffirmation of ANSI/ASTM D4803-2010): 4/24/2018

ANSI/ASTM E141-2010 (R2018), Practice for Acceptance of Evidence Based on the Results of Probability Sampling (reaffirmation of ANSI/ASTM E141-2010): 4/24/2018

ANSI/ASTM E235-2017 (R2018), Specification for Thermocouples, Sheathed, Type K and Type N, for Nuclear or for Other High-Reliability Applications (reaffirmation of ANSI/ASTM E235-2017): 4/24/2018

ANSI/ASTM E452-2017 (R2018), Test Method for Calibration of Refractory Metal Thermocouples Using a Radiation Thermometer (reaffirmation of ANSI/ASTM E452-2017): 4/24/2018

ANSI/ASTM E1488-2012 (R2018), Guide for Statistical Procedures to Use in Developing and Applying Test Methods (reaffirmation of ANSI/ASTM E1488-2012): 4/24/2018

ANSI/ASTM E2555-2012 (R2018), Practice for Factors and Procedures for Applying the MIL-STD-105 Plans in Life and Reliability Inspection (reaffirmation of ANSI/ASTM E2555-2012): 4/24/2018

ANSI/ASTM E2910-2012 (R2018), Guide for Preferred Methods for Acceptance of Product (reaffirmation of ANSI/ASTM E2910-2012): 4/24/2018

ANSI/ASTM F513-2012 (R2018), Specification for Eye and Face Protective Equipment for Hockey Players (reaffirmation of ANSI/ASTM F513-2012): 4/24/2018

ANSI/ASTM F783-1988 (R2018), Specification for Staple, Handgrab, Handle, and Stirrup Rung (reaffirmation of ANSI/ASTM F783-1988 (R2013)): 4/24/2018

ANSI/ASTM F821-2001 (R2018), Specification for Domestic Use Doors and Frames, Steel, Interior, Marine (reaffirmation of ANSI/ASTM F821-2001 (R2012)): 4/24/2018

ANSI/ASTM F1019M-2001 (R2018), Specification for Steel Deck Gear Stowage Box [Metric] (reaffirmation of ANSI/ASTM F1019M-2001 (R2012)): 4/24/2018

ANSI/ASTM F1068-1990 (R2018), Specification for Doors, Double, Gastight/Airtight, Individually Dogged, for Marine Use (reaffirmation of ANSI/ASTM F1068-1990 (R2012)): 4/24/2018

ANSI/ASTM F1071-1994 (R2018), Specification for Expanded-Metal Bulkhead Panels (reaffirmation of ANSI/ASTM F1071-1994 (R2012)): 4/24/2018

ANSI/ASTM F1072-1994 (R2018), Specification for Expanded-Metal Doors (reaffirmation of ANSI/ASTM F1072-1994 (R2012)): 4/24/2018

ANSI/ASTM F1074-1997 (R2018), Specification for Cleats, Welded Horn Type (reaffirmation of ANSI/ASTM F1074-1997 (R2012)): 4/24/2018

ANSI/ASTM F1106-87 (R2018), Specification for Warping Heads, Rope Handling (Gypsy Head, Capstan Head) (reaffirmation of ANSI/ASTM F1106-87 (R2012)): 4/24/2018

ANSI/ASTM F1207M-2012 (R2018), Specification for Electrical Insulation Monitors for Monitoring Ground Resistance in Active Electrical Systems [Metric] (reaffirmation of ANSI/ASTM F1207M-2012): 4/24/2018

ANSI/ASTM F1244-2000 (R2018), Specification for Berths, Marine (reaffirmation of ANSI/ASTM F1244-2000 (R2013)): 4/24/2018

ANSI/ASTM F1309-1998 (R2018), Practice for Installation Procedures for Fitting Chocks to Marine Machinery Foundations (reaffirmation of ANSI/ASTM F1309-1998 (R2012)): 4/24/2018

ANSI/ASTM F1385-2006 (R2018), Practice for Platforms in Cargo Tanks (reaffirmation of ANSI/ASTM F1385-2006 (R2012)): 4/24/2018

ANSI/ASTM F1587-2013 (R2018), Specification for Head and Face Protective Equipment for Ice Hockey Goaltenders (reaffirmation of ANSI/ASTM F1587-2013): 4/24/2018

ANSI/ASTM F1625-2000 (R2018), Specification and Test Method for Rear-Mounted Bicycle Child Carriers (reaffirmation of ANSI/ASTM F1625-2000 (R2012)): 4/24/2018

ANSI/ASTM F1669M-2012 (R2018), Specification for Insulation Monitors for Shipboard Electrical Systems [Metric] (reaffirmation of ANSI/ASTM F1669M-2012): 4/24/2018

ANSI/ASTM F1953-2010 (R2018), Guide for Construction and Maintenance of Grass Tennis Courts (reaffirmation of ANSI/ASTM F1953-2010): 4/24/2018

ANSI/ASTM F2153-2007 (R2018), Test Method for Measurement of Backpack Capacity (reaffirmation of ANSI/ASTM F2153-2007 (R2012)): 4/24/2018

ANSI/ASTM F2270-2012 (R2018), Guide for Construction and Maintenance of Warning Track Areas on Athletic Fields (reaffirmation of ANSI/ASTM F2270-2012): 4/24/2018

ANSI/ASTM F2441-2012 (R2018), Practice for Labeling of Backpacking and Mountaineering Tents and Bivouac Sacks (reaffirmation of ANSI/ASTM F2441-2012): 4/24/2018

ANSI/ASTM F2568-2006 (R2018), Test Method for Measurement of Sleeping Bags (reaffirmation of ANSI/ASTM F2568-2006 (R2012)): 4/24/2018

ANSI/ASTM F2812-2012 (R2018), Specification for Goggle- and Spectacle-Type Eye Protectors for Selected Motor Sports (reaffirmation of ANSI/ASTM F2812-2012): 4/24/2018

ANSI/ASTM F2917-2012 (R2018), Specification for Bicycle Trailer Cycles Designed for Human Passengers (reaffirmation of ANSI/ASTM F2917-2012): 4/24/2018

ANSI/ASTM F3040-2013 (R2018), Test Method for Mechanical Static Load Testing of Non-Structural Marine Joiner Bulkheads (reaffirmation of ANSI/ASTM F3040-2013): 4/24/2018

Revision

ANSI/ASTM D1322-2018, Test Method for Smoke Point of Kerosine and Aviation Turbine Fuel (revision of ANSI/ASTM D1322-2015): 4/24/2018

ANSI/ASTM D1655-2018a, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2016b): 4/24/2018

ANSI/ASTM D6299-2018, Practice for Applying Statistical Quality Assurance and Control Charting Techniques to Evaluate Analytical Measurement System Performance (revision of ANSI/ASTM D6299-2017): 4/24/2018

ANSI/ASTM D6708-2018, Practice for Statistical Assessment and Improvement of Expected Agreement between Two Test Methods that Purport to Measure the Same Property of a Material (revision of ANSI/ASTM D6708-2016): 4/24/2018

ANSI/ASTM D7566-2018, Specification for Aviation Turbine Fuel Containing Synthesized Hydrocarbons (revision of ANSI/ASTM D7566-2017): 4/24/2018

ANSI/ASTM E691-2018, Practice for Conducting an Interlaboratory Study to Determine the Precision of a Test Method (revision of ANSI/ASTM E691-2016): 4/24/2018

ANSI/ASTM E2554-2018, Practice for Estimating and Monitoring the Uncertainty of Test Results of a Test Method Using Control Chart Techniques (revision of ANSI/ASTM E2554-2013): 4/24/2018

ANSI/ASTM E2816-2018, Test Methods for Fire Resistive Metallic HVAC Duct Systems (revision of ANSI/ASTM E2816-2018): 4/24/2018

ANSI/ASTM F877-2018, Specification for Crosslinked Polyethylene (PEX) Hot- and Cold-Water Distribution Systems (revision of ANSI/ASTM F877-2017): 4/24/2018

ANSI/ASTM F985-2018, Specification for Panama Canal Pilot Platform (revision of ANSI/ASTM F985-2000 (R2012)): 4/24/2018

ANSI/ASTM F1099M-2018, Specification for Rat Guards, Ships (Metric) (revision of ANSI/ASTM F1099M-1998 (R2011)): 4/24/2018

ANSI/ASTM F1162-2018, Specification for Pole Vault Landing Systems (revision of ANSI/ASTM F1162-2012): 4/24/2018

ANSI/ASTM F1511-2018, Specification for Mechanical Seals for Shipboard Pump Applications (revision of ANSI/ASTM F1511-2016): 4/24/2018

ANSI/ASTM F2159-2018, Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Crosslinked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F2159-2017): 4/24/2018

ANSI/ASTM F2334-2018, Guide for Above Ground Public Use Skatepark Facilities (revision of ANSI/ASTM F2334-2009 (R2017)): 4/24/2018

ANSI/ASTM F2480-2018, Guide for In-Ground Concrete Skatepark (revision of ANSI/ASTM F2480-2006 (R2017)): 4/24/2018

ANSI/ASTM F2681-2018, Specification for Body Protectors Used in Equine Racing (revision of ANSI/ASTM F2681-2008 (R2014)): 4/24/2018

ANSI/ASTM F2767-2018, Specification for Electrofusion Type Polyamide-12 Fittings for Outside Diameter Controlled Polyamide-12 Pipe and Tubing for Gas Distribution (revision of ANSI/ASTM F2767-2017): 4/24/2018

ANSI/ASTM F2785-2018, Specification for Polyamide-12 Gas Pressure Pipe, Tubing, and Fittings (revision of ANSI/ASTM F2785-2017): 4/24/2018

ANSI/ASTM F2879-2018, Specification for Eye Protective Devices for Airsoft Sports (revision of ANSI/ASTM F2879-2016): 4/24/2018

ANSI/ASTM F2949-2018, Specification for Pole Vault Box Collars (revision of ANSI/ASTM F2949-2012): 4/24/2018

ANSI/ASTM F3123-2018, Specification for Metric Outside Diameter Polyethylene (PE) Plastic Pipe (DR-PN) (revision of ANSI/ASTM F3123-2016): 4/24/2018

NCPDP (National Council for Prescription Drug Programs)**Revision**

ANSI/NCPDP SC Standard 2018041-2018, NCPDP SCRIPT Standard 2018041 (revision and redesignation of ANSI/NCPDP SC Standard 2017071-2017): 5/9/2018

ANSI/NCPDP Specialized Standard 2018041-2018, NCPDP Specialized Standard 2018041 (revision and redesignation of ANSI/NCPDP SC Standard 2013071-2013): 5/9/2018

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

ANSI ICEA S-109-709-2011 (R2018), Standard for Distribution Frame Wire - Technical Requirements (reaffirmation of ANSI ICEA S-109-709-2011): 5/15/2018

Revision

* ANSI ICEA S-103-701-2018, Riser Cables - Technical Requirements (revision of ANSI ICEA S-103-701-2004 (R2011)): 5/15/2018

NSF (NSF International)**Revision**

ANSI/NSF 49-2018 (i112r2), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016): 5/8/2018

ANSI/NSF 49-2018 (i112r3), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016): 5/8/2018

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. Use the following Public Document Library url to access PDF & EXCEL reports of approved & proposed ANS.

[List of Approved and Proposed ANS](#)

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.

AAFS (American Academy of Forensic Sciences)

Contact: *Teresa Ambrosius, (719) 453-1036, tambrosius@aafs.org
410 North 21st Street, Colorado Springs, CO 80904*

BSR/ASB Std 053-201x, Standard for Report Content in Forensic Toxicology (new standard)

Stakeholders: Forensic toxicology community, law enforcement, attorneys, and courts.

Project Need: Will serve as minimum expectation for content of forensic toxicology laboratory reports. This will enable law enforcement, attorneys, and courts to receive standardized information, regardless of which organization performed the testing.

This document sets minimum content requirements for forensic toxicology reports. It defines the critical elements of the report, explains acceptable reporting language, and provides instructions on issuing supplemental or amended reports. The document also provides direction on adding interpretive information to the laboratory report.

BSR/ASB Std 054-201x, Standard for a Quality Control Program in Forensic Toxicology Laboratories (new standard)

Stakeholders: Forensic toxicology community, law enforcement, attorneys, and courts.

Project Need: This document establishes minimum requirements for quality control practices in forensic toxicology laboratories. The document explains the importance of a quality control program, how to select and care for materials used to prepare quality control samples, proper preparation and use of calibrator and control samples, and requirements for their use in different types of assays. The document also provides direction for the review and monitoring of quality control data in forensic toxicology laboratories.

This document will provide a minimum standard of practice for quality control practices in the field of forensic toxicology. Currently, there are no universally accepted standard practices for quality control programs that encompass all subdisciplines of forensic toxicology.

BSR/ASB Std 070-201x, Standard for Forensic Examination of Handwritten Items (new standard)

Stakeholders: Subject matter experts, users, government officials involved in forensic document examination.

Project Need: This standard will set forth the relevant procedures for forensic document examiners and will provide information for those who utilize their services or otherwise encounter their results.

This standard provides procedures for forensic document examiners for examinations and comparisons involving handwritten items and related procedures. These procedures apply to the examination and comparison of questioned and known items or of exclusively questioned items. The procedures in this standard include evaluation of the sufficiency of the material (questioned, or known, or both) available for examination. The particular methods employed in a given case depend upon the nature of the material available for examination. This standard might not cover all aspects of unusual or uncommon examinations of handwritten items. This standard cannot replace the requisite knowledge, skills, or abilities acquired through task-specific education, training, and experience.

AGA (ASC Z223) (American Gas Association)

Contact: *Paul Cabot, (202) 824-7312, pcabot@aga.org
400 North Capitol Street, NW, Washington, DC 20001*

BSR Z223.1/NFPA 54-201x, National Fuel Gas Code (revision of ANSI Z223.1/NFPA 54-2018)

Stakeholders: Installers, code-enforcing authorities, natural gas utilities, LP suppliers, appliance and equipment manufacturers, insurance.

Project Need: Revise code provisions to address public interest and need.

The code offers criteria for the installation and inspection of fuel gas piping, venting systems, and combustion air and fuel gas appliances. Its intent is to promote public safety by providing minimum requirements for the safe and satisfactory utilization of fuel gas downstream of the point of delivery from a gas utility or LP supplier.

AISC (American Institute of Steel Construction)

Contact: Cynthia Duncan, (312) 670-5410, duncan@aisc.org
130 E. Randolph Street, Suite 2000, Chicago, IL 60601-6204

BSR/AISC 342-201x, Seismic Provisions for Evaluation and Retrofit of Structural Steel Buildings (new standard)

Stakeholders: Structural engineers, architects, steel fabricators, construction managers, building owners.

Project Need: This new standard will be developed by industry experts and will provide up-to-date design provisions for the evaluation and retrofit of steel buildings in high seismic zones.

Seismic Provisions for Evaluation and Retrofit of Structural Steel Buildings will govern the seismic evaluation and retrofit of structural steel components of the seismic force-resisting system of existing buildings. The requirements of these Provisions will apply to existing structural steel components of a building system, retrofitted steel components of a building system, and new structural steel components added to an existing building system.

ASSE (Safety) (American Society of Safety Engineers)

Contact: Ovidiu Munteanu, (847) 232-2012, OMunteanu@ASSE.org
520 N. Northwest Highway, Park Ridge, IL 60068

BSR/ASSE Z9.4-201x, Abrasive-Blasting Operations - Ventilation and Safe Practices for Fixed Location Enclosures (revision of ANSI/AIHA Z9.4-2011)

Stakeholders: Occupational safety and health professionals or those stakeholders engaged in or working near grinding, polishing, and buffing operations as well as those responsible for controlling contaminants generated by those operations.

Project Need: Based upon the consensus of the Z9 Committee, occupational safety and health professionals, and the ASSE leadership.

The rules and principles established in this standard are intended to protect employees engaged or working in the vicinity of abrasive blasting in fixed location enclosures from: (1) significant risk of health impairment; and (2) physical injury due to explosions, high-velocity jets of abrasive-blasting particles, or moving equipment involved in abrasive blasting.

BSR/ASSE Z9.9-201x, Portable Ventilation Systems (revision of ANSI/AIHA Z9.9-2010)

Stakeholders: Occupational safety and health professionals or those stakeholders responsible for the design, construction, and labeling as well as for the application, management, operation, maintenance, performance validation, and testing of portable ventilation equipment and systems to ensure satisfactory performance over their lifetime.

Project Need: Based upon the consensus of the Z9 Committee, occupational safety and health professionals, and the ASSE leadership.

Portable ventilation systems are an important engineering control for establishing and maintaining acceptable air quality and supplementing the effectiveness of fixed systems in the work environment. The major approaches employed in the use and application of portable ventilation systems include provision of tempered air to provide and maintain comfort, displacement of airborne contaminants from the workspace, dilution of airborne contaminants in the workspace, supplying breathable air to eliminate or prevent oxygen deficiency in an environment, and the capture or containment of airborne contaminants at or as close as possible to the point of generation. Properly designed, installed, and operated portable ventilation systems can provide excellent control of airborne contaminants.

CSA (CSA Group)

Contact: David Zimmerman, (216) 524-4990, david.zimmerman@csagroup.org
8501 E. Pleasant Valley Road, Cleveland, OH 44131

BSR Z83.8-201x, Gas unit heaters, gas packaged heaters, gas utility heaters, and gas-fired duct furnaces (same as CSA 2.6-201X) (revision of ANSI Z83.8-2015)

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

Project Need: Revise of standard for safety.

Details test and examination criteria for gas packaged heaters, utility heaters, unit heaters and gas-fired duct furnaces for use with natural, manufactured, and mixed gases; LP gases; and LP gas-air mixtures. A unit heater may either be suspended or floor-mounted and may be of the low- or high-static pressure type. Duct furnaces are normally installed in distribution ducts of A/C systems to supply warm air for heating and depended on for air circulation on a blower not furnished as a part of the furnace.

CTA (Consumer Technology Association)

Contact: Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech
1919 South Eads Street, Arlington, VA 22202

- * BSR/CTA 814-C/J-STD-42-C-201x, Emergency Alert Messaging for Cable (revision and redesignation of ANSI J-STD-42-B-2013)

Stakeholders: Consumer, manufacturers, retailers.

Project Need: Revise ANSI J-STD-42-B.

This standard defines an Emergency Alert signaling method for use by cable TV systems to signal emergencies to digital receiving devices that are offered for retail sale. Such devices include digital set-top boxes that are sold to consumers at retail, digital TV receivers, and digital video recorders.

- * BSR/CTA/CEDIA 863-B-2011 (R201x), Connection Color Codes for Home Theater Systems (reaffirmation of ANSI/CTA/CEDIA 863-B-2011)

Stakeholders: Consumers, manufacturers, installers, and retailers.

Project Need: To reaffirm ANSI/CTA/CEDIA 863-B.

ANSI/CTA/CEDIA 863-B defines the color for marking connections commonly used for electronic devices in a home theater system.

* BSR/CTA/CEDIA 2030-A-2011 (R201x), Multi-Room Audio Cabling Standard (reaffirmation of ANSI/CTA/CEDIA 2030-A-2011)

Stakeholders: Consumers, manufacturers, installers, and retailers.

Project Need: To reaffirm ANSI/CTA/CEDIA 2030-A.

ANSI/CTA/CEDIA 2030-A defines cabling and connectors for use in distributing analog and digital audio signals throughout a home. The multi-room audio standard covers stereo (either summed or two channels) only.

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

Contact: Conrad Jahrling, (708) 995-3017, conrad.jahrling@asse-plumbing.org
18927 Hickory Creek Dr Suite 220, Mokena, IL 60448

BSR/ASSE 1008-201x, Plumbing Aspects of Residential Food Waste Disposer Units (new standard)

Stakeholders: Plumbing industry, commercial building construction industry.

Project Need: Goal is to revise the standard and make any appropriate updates.

This standard applies to the plumbing aspects of residential food waste disposers intended for installation in the residential kitchen sink outlet, which, when supplied with water from the sink, supply faucet discharge into the sanitary drainage system. These devices shall be designed to reduce food waste intended for human or animal consumption to specific particle sizes for discharge into the sanitary drainage system.

BSR/ASSE 1010-201x, Water Hammer Arresters (revision of BSR/ASSE 1010-201x)

Stakeholders: Plumbing industry, commercial building construction industry.

Project Need: Goal is to revise the standard and make any appropriate updates.

Water hammer arresters are installed on water distribution system piping to prevent detrimental surge pressures within water distribution systems, thereby prolonging the service life of valves, piping, fittings, trim, equipment, appliances, appurtenances, and other devices which are part of the distribution system; and to eliminate noise. This standard addresses the test methods and performance requirements for water hammer arresters.

BSR/ASSE 1012-201x, Backflow Preventers with an Intermediate Atmospheric Vent (revision of ANSI/ASSE 1012-2009)

Stakeholders: Plumbing industry, commercial building construction industry.

Project Need: Goal is to revise the standard and make any appropriate updates.

Backflow Preventers with Intermediate Atmospheric Vent are installed in the plumbing system to prevent backflow into potable water supply lines when pressure is temporarily higher in the polluted part of the system than the potable water piping.

BSR/ASSE 1018-201x, Trap Seal Primer Valves - Potable Water Supplied (new standard)

Stakeholders: Plumbing industry, commercial building construction industry.

Project Need: Goal is to revise the standard and make any appropriate updates.

Devices covered by this standard are designed primarily to supply water to drain traps which have infrequent use and in which water evaporation would allow sewer gas to enter the premises. This type of device is located in the domestic water distribution system and is designed to supply potable water to a drain trap to maintain the water seal.

BSR/ASSE 1035-201x, Laboratory Faucet Backflow Preventers (revision of ANSI/ASSE 1035-2008)

Stakeholders: Plumbing industry, commercial building construction industry.

Project Need: Goal is to revise the standard and make any appropriate updates.

Laboratory Faucet Backflow Preventers are designed to protect the potable water supply from pollutants or contaminants which enter the system by backflow due to back siphonage or back pressure. This standard applies only to those devices classified as backflow preventers that are designed for installation on laboratory faucets on the discharge side of the last shut-off valve.

BSR/ASSE 1053-201x, Dual Check Backflow Preventer Wall Hydrants - Freeze Resistant Type (new standard)

Stakeholders: Plumbing industry, commercial building construction industry.

Project Need: Goal is to revise the standard and make any appropriate updates.

This standard establishes design and performance requirements and test procedures for Dual Check Backflow Preventer Wall Hydrants - Freeze Resistant Type. The purpose of these devices is to provide protection of the potable water supply from contamination due to back siphonage or back pressure without damage to the device due to freezing, and is field testable to verify protection under the high hazard conditions present at a hose-threaded outlet.

BSR/ASSE 1072-201x, Barrier Type Floor Drain Trap Seal Protection Devices (new standard)

Stakeholders: Plumbing industry, commercial building construction industry.

Project Need: Goal is to revise the standard and make any appropriate updates.

This standard establishes physical requirements, performance requirements, and test procedures for barrier-type floor-drain trap seal protection devices. These devices are designed to help protect the floor-drain trap seal of floor drains that comply with ASME A112.6.3 by minimizing evaporation. The purpose of this device is to minimize the evaporation of the trap seal for the floor drain.

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

Contact: *Marianne Waickman, (708) 995-3015, marianne.waickman@asse-plumbing.org*
 18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448

BSR/ASSE Series 12000-201x, Professional Qualifications Standard for the Health and Safety of Construction and Maintenance Personnel (revision of ANSI/ASSE Series 12000-2014)

Stakeholders: Health care facilities staff and occupants, maintenance workers, plumbers, pipe fitters, sprinkler fitters, construction workers, general public.

Project Need: Stakeholders have identified the need to broaden the scope of the Series 12000 Standard to include water sampling and water system mapping in order to better protect the occupants of health care facilities. Additionally, the title will be changed to make it clear that the certified individuals have knowledge, skills, and abilities to exercise infection control measures in these facilities.

This standard addresses the need for general knowledge of pathogens, biohazards, infectious disease and Other Potentially Infectious Material (OPIM) for construction and maintenance personnel, or for any individual who has the potential for exposure. The purpose is to provide training, continuing education, and certification for workers who do construction or maintenance in a health care facility.

MHI (Material Handling Industry)

Contact: *Patrick Davison, (704) 714-8755, pdavison@mhi.org*
 8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217

BSR MH28.3-201x, Design, Testing and Utilization of Industrial Steel Work Platforms (revision of ANSI MH28.3-2009)

Stakeholders: Designers, manufacturers and users of industrial steel work platforms

Project Need: Update existing standard so it aligns with applicable steel construction and building codes.

Addresses means of egress, guarding, materials, structural design, fabrication, and loading for an industrial steel work platform. This standard is intended to be applied to the design, manufacturing, installation, and maintenance of such structures.

NEMA (ASC C8) (National Electrical Manufacturers Association)

Contact: *Gerard Winstanley, (703) 841-3231, gerard.winstanley@nema.org*
 1300 N. 17th Street, Suite 900, Rosslyn, VA 22209

BSR NEMA HP 5-201x, Electrical and Electronic Crosslinked, Modified Polyethylene (XLPE) Insulated 125°C Hook-Up Wire, Types L (600 V), LL (1000 V), and LX (3000 V) (revision of ANSI NEMA HP 5-2013)

Stakeholders: Wire and cable manufacturers, defense industry, aerospace industry, other high-performance applications.

Project Need: To assure that these types of hook-up wire will meet requirements associated with high-reliability commercial, electrical, and electronic equipment.

This Standards Publication covers specific requirements for crosslinked, modified polyethylene insulated solid and stranded wire, designed to the internal wiring of high-reliability electrical and electronic equipment. This Standards Publication addresses 600 V (Type L), 1000 V (Type LL), and 3000 V (Type LX) wire and permits continuous conductor temperature ratings of -65°C to +125°C with either tin-coated, or silver-coated conductors. These types of hook-up wire are used when the following requirements are called for:

- Moderate temperature resistance;
- Low temperature resistance;
- Moderate dielectric constant;
- Good flexibility and flex life when stranded conductors are used;
- Solder iron resistance for easier solder terminations without potential damage; and
- Good fire resistance.

BSR NEMA HP 6-201x, Electrical and Electronic Silicone and Silicone Braided Insulated, Hook-Up Wire, Types S (600 V), ZHS (600 V), SS (1000 V), ZHSS (1000 V), and SSB Braided (1000 V) (revision of ANSI NEMA HP 6-2013)

Stakeholders: Wire and cable manufacturers, defense industry, aerospace industry, other high-performance applications,

Project Need: To assure that these types of hook-up wire will meet requirements associated with high-reliability commercial, electrical, and electronic equipment.

This standard publication covers specific requirements for silicone-rubber-insulated stranded wire, designed for the internal wiring of high-reliability electrical and electronic equipment. This standards publication addresses 600 V (Type S, ZHS) and 1000 V (Type SS, ZHSS and SSB) wire and permits continuous conductor temperature ratings of -55°C to +150°C with tin-coated copper or -55°C to +200°C with silver-coated copper. These types of hook-up wire are used when the following requirements are called for:

- High temperature resistance;
- Low temperature resistance;
- Good flexibility and flex life; and
- Solder iron resistance for easier solder terminations without potential damage.

Types ZHS and ZHSS are used for applications requiring low-smoke and zero-halogen requirements.

BSR NEMA HP 8-201x, Electrical and Electronic Cross-Linked, Modified Low-Smoke Polyolefin (XLPO) Insulated Hook-Up Wire, Types LS (Rated 105°C; 600 V), ZHDM (Rated 90°C; 600 V), ZHDH (Rated 90°C; 600 V), ZH (Rated 125°C; 600 V), and ZHX (Rated 125°C; 1000 V) (revision of ANSI NEMA HP 8-2013)

Stakeholders: Wire and cable manufacturers, defense industry, aerospace industry, other high-performance applications.

Project Need: To assure that these types of hook-up wire will meet requirements associated with high-reliability commercial, electrical, and electronic equipment.

ANSI/NEMA HP 8 covers specific requirements for cross-linked, modified polyolefin-insulated solid, and stranded wire designed for the internal wiring of high-reliability electrical and electronic equipment. ANSI/NEMA HP 8 addresses 600 V (Types LS, ZHDM, ZHDH, and ZH) and 1000 V (Type ZHX) wire and permits continuous conductor temperature ratings of -40°C to 90°C, 105°C, or 125°C with either tin- or silver-coated conductors. These types of hook-up wire are used when the following requirements are called for:

- (a) Moderate temperature resistance;
- (b) Low temperature resistance;
- (c) Good dielectric constant (Type ZHDM and ZHDH);
- (d) Moderate dielectric constant (Type LS);
- (e) Good flexibility and flex life when stranded conductors are used;
- (f) Solder iron resistance for easier solder terminations without potential damage; (g) Low smoke (Types LS, ZHDM, ZHDH, ZH, ZHX);
- (h) Zero halogen (Types ZHDM, ZHDH, ZH, ZHX);
- (i) Low toxicity (Types LS, ZHDM, ZHDH, ZH, ZHX); and
- (j) Low-acid gas generation (Types LS, ZHDM, ZHDH, ZH, ZHX).

BSR NEMA WC 27500-201x, Standard for Aerospace and Industrial Electrical Cable (revision of ANSI NEMA WC 27500-2015)

Stakeholders: Parties with an interest in insulated wires for use in aerospace, electrical, electronic, and high-performance applications.

Project Need: Revisions necessary to bring the standard in line with current manufacturing processes.

This standard contains requirements for finished cables. Component wires are covered by other referenced standards. These cables are intended for signal and low-voltage power applications with defined environment or temperature conditions found in commercial aircraft, military aircraft, and high-performance vehicles.

BSR/NEMA WC 66/ICEA S-116-732-201x, Standard for Category 6 and 6A, 100-Ohm, Individually Unshielded Twisted Pairs, Indoor Cables (With or Without an Overall Shield) for Use in LAN Communication Wiring Systems (revision of ANSI NEMA WC 66/ICEA S-116-732-2013)

Stakeholders: Users and producers of telecommunications wire and cable.

Project Need: To bring the standard in line with the current state of the art.

This standards publication covers mechanical, electrical, and flammability requirements for thermoplastic insulated and jacketed, copper conductor, individually unshielded twisted pairs, with or without overall shield intended for use as horizontal cables or backbone cables, or in the manufacture of patch cords. Depending upon the application and system requirements, this Standard provides choices for materials and flammability ratings. This standards publication covers the minimum performance requirements for cables up to four pairs, with transmission characteristics specified up to 250 MHz for Category 6 cables and up to 500 MHz for Category 6A cables. These Category cables are intended for voice, text, data, video, and image transmission and low-voltage power supply (POE & POE+). The cables are categorized by electrical transmission characteristics based on existing system requirements and projected application needs determined by IEEE 802.3. The cables included are intended to conform to the cabling system architecture and design, as specified in ANSI/TIA 568-C.2. Applicable definitions, test methods, and performance requirements are included. The material, mechanical, and physical characteristics for these cables are covered under UL 444/CSA 22.2 No. 214.

NEMA (ASC C8) (National Electrical Manufacturers Association)

Contact: *Khaled Masri, (703) 841-3278, Khaled.Masri@nema.org*
1300 North 17th Street, Rosslyn, VA 22209

- * BSR ICEA S-106-703-201x, Broadband Aerial Service Wire Aircore, Polyolefin Insulated Conductor (revision of ANSI ICEA S-106-703-2012)

Stakeholders: Manufacturers, utility, users, and testing laboratories of cables.

Project Need: Revision of current standard needed to be maintained.

This Standard covers material, mechanical and electrical requirements for Broadband Aerial Service Wire (BB-ASW) of less than or equal to 12 pair, intended for use principally in extending a circuit from a broadband distribution cable terminal to a subscriber's network interface device (NID).

BSR ICEA S-107-704-201X, Broadband Buried Service Wire, Filled, Polyolefin Insulated, Copper Conductor (revision of ANSI ICEA S-107-704-2012)

Stakeholders: Manufacturers, users, and testing laboratories of cables.

Project Need: Revision of current standard needed to be maintained.

This Standard covers material, mechanical, and electrical requirements for Broadband Buried Service Wire (BB-BSW) of less than or equal to 6 pair, intended for use principally in extending a circuit from a broadband cable terminal to a subscriber's network interface device (NID).

NETA (InterNational Electrical Testing Association)

Contact: Richard Piet, (269) 488-6382, rpier@netaworld.org
3050 Old Centre, Suite 101, Portage, MI 49024

BSR/NETA ECS-201X, Standard for Electrical Commissioning Specifications for Electrical Power Equipment and Systems (revision of ANSI/NETA ECS-2015)

Stakeholders: Commissioning agents, governmental agencies, A&E firms, inspection authorities, owners of facilities that utilize large blocks of electrical energy, electrical testing firms.

Project Need: The purpose of these specifications is to assure that tested electrical systems are safe, reliable, and operational; are in conformance with applicable standards and manufacturers' tolerances; and are installed in accordance with design specifications. These specifications are specifically intended for application on electrical power equipment and systems.

These specifications describe the systematic process of documenting, and placing into service newly installed, or retrofitted electrical power equipment and systems. This document shall be used in conjunction with the most recent edition of the ANSI/NETA ATS Standard for Acceptance Testing Specifications for Electrical Power Equipment and Systems. The individual electrical components shall be subjected to factory and field tests, as required, to validate the individual components. It is not the intent of these specifications to provide comprehensive details on the commissioning of mechanical equipment, mechanical instrumentation systems, and related components. This standard is not intended to be submitted for consideration as an ISO, IEC, or ISO/IEC JTC-1 standard.

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

Contact: Yvonne Meding, (703) 524-6686, YMeding@resna.org
1560 Wilson Blvd., Suite 850, Arlington, VA 22209-1903

BSR/RESNA WC-4-201x, RESNA Standard for or Wheelchairs, Volume 4: Wheelchairs and Transportation (national adoption of ISO 10865-1 with modifications and revision of ANSI/RESNA WC-4-2017)

Stakeholders: Wheelchair-tiedown and occupant-restraint manufacturers, wheelchair seating manufacturers, auto-safety researchers, rehabilitation researchers, clinicians/prescribers, policy experts/payers/educators, consumers/advocates/caregivers, and transit providers.

Project Need: Safety standards are needed for wheelchairs, specialized wheelchair seating systems, wheelchair tiedowns and occupant restraint systems, as well as, wheelchair spaces on large accessible transit vehicles.

This standard will include design and performance requirements, test methods, and requirements for manufacturer literature and product labeling for wheelchairs, wheelchair-seating systems, and WTORS, intended for use in all motor vehicles, as well as for wheelchair spaces installed on large accessible transit vehicles.

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)
- AARST (American Association of Radon Scientists and Technologists)
- AGA (American Gas Association)
- AGSC-AGRSS (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 (Green Building Initiative)
- HL7 (Health Level Seven)
- IES (Illuminating Engineering Society)
- MHI (Material Handling Industry)
- NAHBRC (NAHB Research Center, Inc.)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NEMA (National Electrical Manufacturers Association)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- PRCA (Professional Ropes Course Association)
- RESNET (Residential Energy Services Network, Inc.)
- SAE (SAE International)
- TCNA (Tile Council of North America)
- 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.

AAFS American Academy of Forensic Sciences 410 North 21st Street Colorado Springs, CO 80904 Phone: (719) 453-1036 Web: www.aafs.org	ASSE (Safety) American Society of Safety Engineers 520 N. Northwest Highway Park Ridge, IL 60068 Phone: (847) 232-2012 Fax: (847) 699-2929 Web: www.asse.org	IEEE Institute of Electrical and Electronics Engineers (IEEE) 445 Hoes Lane Piscataway, NJ 08854 Phone: (732) 562-3854 Fax: (732) 796-6966 Web: www.ieee.org	RESNA Rehabilitation Engineering and Assistive Technology Society of North America 1560 Wilson Blvd. Suite 850 Arlington, VA 22209-1903 Phone: (703) 524-6686 Fax: (703) 524-6686 Web: www.resna.org
AAMI Association for the Advancement of Medical Instrumentation 4301 N Fairfax Drive Suite 301 Arlington, VA 22203-1633 Phone: (703) 253-8274 Fax: (703) 276-0793 Web: www.aami.org	ASTM ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9744 Fax: (610) 834-3683 Web: www.astm.org	ITSDF Industrial Truck Standards Development Foundation, Inc. 1750 K Street NW Suite 460 Washington, DC 20006 Phone: (202) 296-9880 Fax: (202) 296-9884 Web: www.indtrk.org	RESNET Residential Energy Services Network, Inc. 4867 Patina Court Oceanside, CA 92057 Phone: (760) 408-5860 Fax: (760) 806-9449 Web: www.resnet.us.com
AGA (ASC Z223) American Gas Association 400 North Capitol Street, NW Washington, DC 20001 Phone: (202) 824-7312 Fax: (202) 824-9122 Web: www.aga.org	AWWA American Water Works Association 6666 W. Quincy Ave. Denver, CO 80235 Phone: (303) 347-6178 Fax: (303) 795-7603 Web: www.awwa.org	MHI Material Handling Industry 8720 Red Oak Boulevard Suite 201 Charlotte, NC 28217 Phone: (704) 714-8755 Fax: (704) 676-1199 Web: www.mhi.org	TIA Telecommunications Industry Association 1320 North Courthouse Road Suite 200 Arlington, VA 22201 Phone: (703) 907-7706 Fax: (703) 907-7727 Web: www.tiaonline.org
AISC American Institute of Steel Construction 130 E. Randolph Street Suite 2000 Chicago, IL 60601-6204 Phone: (312) 670-5410 Fax: (312) 986-9022 Web: www.aisc.org	CSA CSA Group 8501 E. Pleasant Valley Road Cleveland, OH 44131 Phone: (216) 524-4990 Fax: (216) 520-8979 Web: www.csagroup.org	NCPDP National Council for Prescription Drug Programs 9240 East Raintree Drive Scottsdale, AZ 85260 Phone: (480) 477-1000, ext.134 Fax: (480) 767-1042 Web: www.ncpdp.org	UL Underwriters Laboratories, Inc. 12 Laboratory Drive Research Triangle Park, NC 27709-3995 Phone: (919) 549-1851 Web: www.ul.com
ASA (ASC S1) Acoustical Society of America 1305 Walt Whitman Road Suite 300 Melville, NY 11747 Phone: (631) 390-0215 Fax: (631) 923-2875 Web: www.acousticalsociety.org	CTA Consumer Technology Association 1919 South Eads Street Arlington, VA 22202 Phone: (703) 907-7697 Fax: (703) 907-4197 Web: www.cta.tech	NEMA (ASC C8) National Electrical Manufacturers Association 1300 North 17th Street Rosslyn, VA 22209 Phone: (703) 841-3278 Fax: (703) 841-3398 Web: www.nema.org	VITA VMEbus International Trade Association (VITA) 929 W. Portobello Avenue Mesa, AZ 85210 Phone: (602) 281-4497 Web: www.vita.com
ASA (ASC S3) Acoustical Society of America 1305 Walt Whitman Road Suite 300 Melville, NY 11747 Phone: (631) 390-0215 Fax: (631) 923-2875 Web: www.acousticalsociety.org	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	NETA InterNational Electrical Testing Association 3050 Old Centre Suite 101 Portage, MI 49024 Phone: (269) 488-6382 Web: www.netaworld.org	
ASME American Society of Mechanical Engineers Two Park Avenue New York, NY 10016-5990 Phone: (212) 591-8521 Fax: (212) 591-8501 Web: www.asme.org	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	NSF NSF International 789 N. Dixboro Road Ann Arbor, MI 48105-9723 Phone: (734) 418-6660 Web: www.nsf.org	



ISO & IEC Draft International Standards

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

Comments

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); comments on ISO documents must be submitted electronically in the approved ISO template and as a Word document as other formats will not be accepted.

Those 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

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

ISO Standards

ADDITIVE MANUFACTURING (TC 261)

ISO/ASTM DIS 52902, Additive manufacturing - Test artefacts - Standard guideline for geometric capability assessment of additive manufacturing systems - 6/3/2018, \$102.00

ISO/ASTM DIS 52900, Additive manufacturing - General principles - Terminology - 6/3/2018, \$93.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 13541, Space data and information transfer systems - Attitude data messages - 6/3/2018, \$125.00

ISO/DIS 18387, Aerospace - Linear hydraulic utility actuator - General specifications - 11/7/2020, \$112.00

ISO/DIS 18441, Space data and information transfer systems - Space link extension - Application program interface for transfer services - Core specification - 6/3/2018, \$258.00

ISO/DIS 21077, Space data and information transfer systems - Digital motion imagery - 6/3/2018, \$102.00

ISO/DIS 22669, Space data and information transfer systems - Space link extension (SLE) - Return-all-frames service specification - 6/3/2018, \$175.00

ISO/DIS 22670, Space data and information transfer systems - Space link extension (SLE) - Return-channel-frames service specification - 6/3/2018, \$175.00

ISO/DIS 22671, Space data and information transfer systems - Space link extension (SLE) - Forward communications link transmission unit (CLTU) service specification - 6/3/2018, \$175.00

ISO/DIS 22672, Space data and information transfer systems - Space link extension (SLE) - Forward space packet service specification - 6/3/2018, \$194.00

ISO/DIS 23103, Space link extension - Cross support transfer service - Specification framework - 6/3/2018, \$245.00

ISO/DIS 23104, Space link extension - Cross support transfer service - Monitored data service - 6/3/2018, \$165.00

ISO/DIS 26143, Space data and information transfer systems - Space link extension (SLE) - Return operational control fields service specification - 6/3/2018, \$175.00

DOCUMENT IMAGING APPLICATIONS (TC 171)

ISO/DIS 23504-1, Document management applications - Raster image transport and storage - Part 1: Use of ISO 32000 (PDF/R-1) - 7/29/2018, \$67.00

ERGONOMICS (TC 159)

ISO/DIS 24507, Ergonomics - Accessible design - Doors and handles of consumer products - 6/3/2018, \$46.00

FIRE SAFETY (TC 92)

ISO/DIS 24678-1, Fire safety engineering - Requirements governing algebraic equations - Part 1: General requirements - 8/3/2018, \$40.00

GAS CYLINDERS (TC 58)

ISO/DIS 9809-1, Gas cylinders - Design, construction and testing of refillable seamless steel gas cylinders and tubes - Part 1: Quenched and tempered steel cylinders and tubes with tensile strength less than 1 100 MPa - 6/3/2018, \$112.00

ISO/DIS 9809-2, Gas cylinders - Design, construction and testing of refillable seamless steel gas cylinders and tubes - Part 2: Quenched and tempered steel cylinders and tubes with tensile strength greater than or equal to 1 100 MPa - 6/3/2018, \$119.00

ISO/DIS 9809-3, Gas cylinders - Design, construction and testing of refillable seamless steel gas cylinders and tubes - Part 3: Normalized steel cylinders and tubes - 6/3/2018, \$112.00

IMPLANTS FOR SURGERY (TC 150)

ISO 18192-1/DAmD1, Implants for surgery - Wear of total intervertebral spinal disc prostheses - Part 1: Loading and displacement parameters for wear testing and corresponding environmental conditions for test - Amendment 1 - 11/5/2004, \$29.00

INDUSTRIAL FANS (TC 117)

ISO/DIS 12759-4, Fans - Efficiency classification for fans - Part 4: Driven fans at maximum operating speed - 6/2/2018, \$88.00

MECHANICAL CONTRACEPTIVES (TC 157)

ISO/DIS 19351, Fallopian rings - Requirements and test methods - 7/30/2018, \$88.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 18589-5, Measurement of radioactivity in the environment - Soil - Part 5: Strontium 90 - Test method using proportional counting or liquid scintillation counting - 5/31/2018, \$98.00

PAINTS AND VARNISHES (TC 35)

ISO/DIS 2808, Paints and varnishes - Determination of film thickness - 8/3/2018, \$125.00

ISO/DIS 3251, Paints, varnishes and plastics - Determination of non-volatile-matter content - 8/2/2018, \$46.00

ISO/DIS 3233-2, Paints and varnishes - Determination of the percentage volume of non-volatile matter - Part 2: Method using the determination of non-volatile-matter content in accordance with ISO 3251 and determination of dry film density on coated test panels by the Archimedes principle - 8/2/2018, \$53.00

PHOTOGRAPHY (TC 42)

ISO/DIS 12232, Photography - Digital still cameras - Determination of exposure index, ISO speed ratings, standard output sensitivity, and recommended exposure index - 7/30/2018, \$82.00

PLASTICS (TC 61)

ISO/DIS 20329, Plastics - Determination of abrasive wear resistance by sliding friction - 7/29/2018, \$53.00

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

ISO/DIS 4427-1, Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 1: General - 7/26/2018, \$71.00

ISO/DIS 4427-2, Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 2: Pipes - 7/26/2018, \$77.00

ISO/DIS 4427-3, Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 3: Fittings - 7/26/2018, \$107.00

ISO/DIS 4427-5, Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 5: Fitness for purpose of the system - 7/26/2018, \$53.00

ROAD VEHICLES (TC 22)

ISO/DIS 21441, Road vehicles - Engine EGR cooler - Heat dissipation test methods - 6/1/2018, \$67.00

ISO/DIS 20730-1, Road vehicles - Vehicle roadworthiness interface for electronic Periodical Technical Inspection (ePTI) - Part 1: Communication requirements - 6/1/2018, \$134.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 2921, Rubber, vulcanized - Determination of low-temperature characteristics - Temperature-retraction procedure (TR test) - 6/3/2018, \$46.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 19912, Ships and marine technology - Servicing of immersion suits, anti-exposure suits and constant wear suits - 8/2/2018, \$53.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 12809, Crop protection equipment - Reciprocating positive displacement pumps and centrifugal pumps - Test method - 7/29/2018, \$82.00

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

ISO/DIS 13926-3, Pen systems - Part 3: Seals for pen-injectors for medical use - 7/30/2018, \$46.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 17438-4, Intelligent transport systems - Indoor navigation for personal and vehicle ITS station - Part 4: Requirements and specification for interface between Personal/Vehicle and Central ITS stations - 7/30/2018, \$119.00

TYRES, RIMS AND VALVES (TC 31)

ISO/DIS 13325, Tyres - Coast-by methods for measurement of tyre-to-road sound emission - 6/3/2018, \$53.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 14496-15/DAmD2, Information technology - Coding of audio-visual objects - Part 15: Carriage of network abstraction layer (NAL) unit structured video in the ISO base media file format - Amendment 2: Carriage of high-efficiency video coding (HEVC) - 11/2/2013, \$29.00

IEC Standards

CABPUB/161/Q, Extension of scope for ISO/IEC 17000:2004 Conformity assessment - Vocabulary and general principles, 2018/6/15

2/1912/CD, IEC TS 60034-16-3 ED2: Rotating electrical machines - Part 16-3: Excitation systems for synchronous machines - Dynamic performance, 018/8/3/

2/1911/CD, IEC TS 60034-16-2 ED1: Rotating electrical machines - Part 16-2: Excitation systems for synchronous machines - Models for power system studies, 018/8/3/

9/2405/CDV, IEC 62290-3 ED1: Railway applications - Urban guided transport management and command/control systems - Part 3: System requirements specifications, 018/8/3/

23A/851/FDIS, IEC 62275/AMD1 ED2: Cable management systems - Cable ties for electrical installations, 2018/6/22

31G/279/CD, IEC 60079-25 ED3: Explosive atmospheres - Part 25: Intrinsically safe electrical systems, 018/8/3/

31M/130/FDIS, ISO/IEC 80079-34 ED2: Explosive atmospheres - Part 34: Application of quality management systems for Ex Product manufacture, 2018/6/22

34/524/FDIS, IEC 62386-103/AMD1 ED1: Amendment 1 - Digital addressable lighting interface - Part 103: General requirements - Control devices, 2018/6/22

34/523/FDIS, IEC 62386-102/AMD1 ED2: Amendment 1 - Digital addressable lighting interface - Part 102: General requirements - Control gear, 2018/6/22

45A/1196/CDV, IEC 62003 ED2: Nuclear power plants - Instrumentation, control, and electrical power systems important to safety - Requirements for electromagnetic compatibility testing, 018/8/3/

46/689/FDIS, IEC 62153-4-17 ED1: Metallic cables and other passive components - Test methods - Part 4-17: Electromagnetic compatibility (EMC) - Reduction factor, 2018/6/22

47E/605/CDV, IEC 60747-9 ED3: Semiconductor devices - Part 9: Discrete devices - Insulated-gate bipolar transistors (IGBTs), 018/8/3/

- 69/601/CD, IEC TS 61851-3-5 ED1: Electric Vehicles conductive power supply system - Part 3-5: Particular requirements EV supply equipment where protection relies on double or reinforced insulation - Pre-defined communication parameters and general application objects, 018/8/3/
- 69/598/CD, IEC TS 61851-3-1 ED1: Electric Vehicles conductive power supply system - Part 3-1: General Requirements for EV supply equipment where protection relies on double or reinforced insulation - AC and DC conductive power supply systems, 018/8/3/
- 69/600/CD, IEC TS 61851-3-4 ED1: Electric Vehicles conductive power supply system - Part 3-2: Particular requirements EV supply equipment where protection relies on double or reinforced insulation - General definitions and requirements for CANopen communications, 018/8/3/
- 69/602/CD, IEC TS 61851-3-6 ED1: Electric vehicles conductive power supply system - Part 3-6: Particular requirements for EV supply equipment where protection relies on double or reinforced insulation - Voltage converter and communication, 018/8/3/
- 69/603/CD, IEC TS 61851-3-7 ED1: Electric vehicles conductive power supply system - Part 3-7: Particular requirements for EV supply equipment where protection relies on double or reinforced insulation - Battery system communication, 018/8/3/
- 69/599/CD, IEC TS 61851-3-2 ED1: Electric Vehicles conductive power supply system - Part 3-2: Particular requirements EV supply equipment where protection relies on double or reinforced insulation - Voltage converter unit, 018/8/3/
- 81/586/CDV, IEC 62858 ED2: Lightning density based on lightning location systems (LLS) - General principles, 018/8/3/
- 86B/4130/FDIS, IEC 62005-9-4 ED1: Fibre optic interconnecting devices and passive components - Reliability - Part 9-4: High power qualification of passive optical components for environmental category C, 2018/6/22
- 86B/4131/FDIS, IEC 61753-1 ED2: Fibre optic interconnecting devices and passive components - Performance standard - Part 1: General and guidance, 2018/6/22
- 91/1514/NP, PNW 91-1514: Printer boards and printed board assemblies - Design and use - Part 8: 3D shape data specification for CAD component library, 018/8/3/
- 104/801/CDV, IEC 60721-3-3 ED3: Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities - Section 3: Stationary use at weather-protected locations, 018/8/3/
- 115/186/CD, IEC TS 61973/AMD1 ED1: High voltage direct current (HVDC) substation audible noise, 018/7/6/
- 117/88/CD, IEC TS 62862-3-3 ED1: Solar thermal electric plants - Part 3-3: Systems and components - General requirements and test methods for solar receivers, 018/7/6/
- 119/212/CDV, IEC 62899-101 ED1: Printed Electronics - Part 101: Terminology - Vocabulary, 018/8/3/
- 121A/215/CDV, IEC 60947-5-2 ED4: Low-voltage switchgear and controlgear - Part 5-2: Control circuit devices and switching elements - Proximity switches, 018/8/3/
- 121A/224/FDIS, IEC 60947-4-1 Ed. 4: Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters, 2018/6/22
- JTC1-SC41/41/FDIS, ISO/IEC 30141 ED1: Information technology - Internet of Things Reference Architecture (IoT RA), 018/7/6/



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

ACOUSTICS (TC 43)

[ISO 16283-2:2018](#), Acoustics - Field measurement of sound insulation in buildings and of building elements - Part 2: Impact sound insulation, \$185.00

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

[ISO 17785-2:2018](#), Testing methods for pervious concrete - Part 2: Density and void content, \$68.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

[ISO 7240-27:2018](#), Fire detection and alarm systems - Part 27: Point type fire detectors using a smoke sensor in combination with a carbon monoxide sensor and, optionally, one or more heat sensors, \$209.00

FLUID POWER SYSTEMS (TC 131)

[ISO 11943:2018](#), Hydraulic fluid power - Online automatic particle-counting systems for liquids - Methods of calibration and validation, \$162.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO 19740:2018](#), Optics and photonics - Optical materials and components - Test method for homogeneity of infrared optical materials, \$138.00

[ISO 19741:2018](#), Optics and photonics - Optical materials and components - Test method for striae in infrared optical materials, \$68.00

[ISO 19742:2018](#), Optics and photonics - Optical materials and components - Test method for bubbles and inclusions in infrared optical materials, \$45.00

OTHER

[ISO 4045:2018](#), Leather - Chemical tests - Determination of pH and difference figure, \$45.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

[ISO 18640-2:2018](#), Protective clothing for firefighters - Physiological impact - Part 2: Determination of physiological heat load caused by protective clothing worn by firefighters, \$103.00

PLASTICS (TC 61)

[ISO 30012/Amd1:2018](#), Carbon-fibre-reinforced plastics - Determination of the size and aspect ratio of crushed objects - Amendment 1, \$19.00

[ISO 29862:2018](#), Self adhesive tapes - Determination of peel adhesion properties, \$103.00

[ISO 29863:2018](#), Self adhesive tapes - Measurement of static shear adhesion, \$103.00

[ISO 29864:2018](#), Self adhesive tapes - Measurement of breaking strength and elongation at break, \$45.00

POWDER METALLURGY (TC 119)

[ISO 3923-1:2018](#), Metallic powders - Determination of apparent density - Part 1: Funnel method, \$45.00

SOIL QUALITY (TC 190)

[ISO 11260:2018](#), Soil quality - Determination of effective cation exchange capacity and base saturation level using barium chloride solution, \$68.00

TECHNICAL DRAWINGS, PRODUCT DEFINITION AND RELATED DOCUMENTATION (TC 10)

[ISO 81346-12:2018](#), Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 12: Construction works and building services, \$185.00

THERMAL INSULATION (TC 163)

[ISO 17749:2018](#), Thermal insulation products - Sheep wool mat and board - Specification, \$103.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

[ISO 7714:2018](#), Agricultural irrigation equipment - Volumetric valves - General requirements and test methods, \$103.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO 17419:2018](#), Intelligent transport systems - Cooperative systems - Globally unique identification, \$185.00

[ISO 24102-6:2018](#), Intelligent transport systems - Communications access for land mobiles (CALM) - ITS station management - Part 6: Path and flow management, \$209.00

WATER QUALITY (TC 147)

[ISO 5667-3:2018](#), Water quality - Sampling - Part 3: Preservation and handling of water samples, \$209.00

ISO Technical Specifications

FIRE SAFETY (TC 92)

[ISO/TS 19021:2018](#), Test method for determination of gas concentrations in ISO 5659-2 using Fourier transform infrared spectroscopy, \$138.00

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

[ISO/TS 19159-3:2018](#), Geographic information - Calibration and validation of remote sensing imagery sensors and data - Part 3: SAR/InSAR, \$209.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 13818-1/Amd1:2018](#), Information technology - Generic coding of moving pictures and associated audio information - Part 1: Systems - Amendment 1: Ultra-low latency and 4k and higher resolution support for transport of JPEG 2000 video, \$19.00

[ISO/IEC 22275:2018](#), Information technology - Programming languages, their environments, and system software interfaces - ECMAScript® Specification Suite, \$45.00

[ISO/IEC/IEEE 8802-11:2018](#), Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 11: Wireless LAN medium access control (MAC) and physical layer (PHY) specifications, \$232.00

[ISO/IEC TS 27034-5-1:2018](#), Information technology - Application security - Part 5-1: Protocols and application security controls data structure, XML schemas, \$209.00

IEC Standards

AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT (TC 100)

[IEC 62680-2-2 Ed. 1.0 b:2015](#), Universal serial bus interfaces for data and power - Part 2-2: Micro-USB Cables and Connectors Specification, Revision 1.01, \$317.00

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

[IEC 62153-4-7 Ed. 2.1 b:2018](#), Metallic communication cable test methods - Part 4-7: Electromagnetic compatibility (EMC) - Test method for measuring of transfer impedance Z_T and screening attenuation a_s or coupling attenuation a_c of connectors and assemblies up to and above 3 GHz - Triaxial tube-in-tube method, \$410.00

[IEC 62153-4-7 Amd.1 Ed. 2.0 b:2018](#), Amendment 1 - Metallic communication cable test methods - Part 4-7: Electromagnetic compatibility (EMC) - Test method for measuring of transfer impedance Z_T and screening attenuation a_s or coupling attenuation a_c of connectors and assemblies up to and above 3 GHz - Triaxial tube-in-tube method, \$23.00

ELECTRIC CABLES (TC 20)

[IEC 61238-1-1 Ed. 1.0 en:2018](#), Compression and mechanical connectors for power cables - Part 1-1: Test methods and requirements for compression and mechanical connectors for power cables for rated voltages up to 1 kV ($U_m = 1,2$ kV) tested on non-insulated conductors, \$281.00

[IEC 61238-1-2 Ed. 1.0 en:2018](#), Compression and mechanical connectors for power cables - Part 1-2: Test methods and requirements for insulation piercing connectors for power cables for rated voltages up to 1 kV ($U_m = 1,2$ kV) tested on insulated conductors, \$317.00

[IEC 61238-1-3 Ed. 1.0 en:2018](#), Compression and mechanical connectors for power cables - Part 1-3: Test methods and requirements for compression and mechanical connectors for power cables for rated voltages above 1 kV ($U_m = 1,2$ kV) up to 30 kV ($U_m = 36$ kV) tested on non-insulated conductors, \$281.00

ELECTRIC TRACTION EQUIPMENT (TC 9)

[IEC 62995 Ed. 1.0 b:2018](#), Railway applications - Rolling stock - Rules for installation of cabling, \$352.00

[IEC 61375-2-6 Ed. 1.0 b:2018](#), Electronic railway equipment - Train communication network (TCN) - Part 2-6: On-board to ground communication, \$387.00

ELECTROACOUSTICS (TC 29)

[IEC 61265 Ed. 2.0 b:2018](#), Electroacoustics - Instruments for measurement of aircraft noise - Performance requirements for systems to measure sound pressure levels in noise certification of aircraft, \$164.00

ELECTROMAGNETIC COMPATIBILITY (TC 77)

[IEC 61000-2-2 Ed. 2.2 b:2018](#), Electromagnetic compatibility (EMC) - Environment - Compatibility levels for low-frequency conducted disturbances and signalling in public low-voltage power supply systems, \$410.00

[IEC 61000-2-2 Amd.2 Ed. 2.0 b:2018](#), Amendment 2 - Electromagnetic compatibility (EMC) - Environment - Compatibility levels for low-frequency conducted disturbances and signalling in public low-voltage power supply systems, \$23.00

INSULATORS (TC 36)

[IEC 61466-2 Amd.2 Ed. 1.0 b:2018](#), Amendment 2 - Composite string insulator units for overhead lines with a nominal voltage greater than 1 000 V - Part 2: Dimensional and electrical characteristics, \$23.00

[IEC 61466-2 Ed. 1.2 b:2018](#), Composite string insulator units for overhead lines with a nominal voltage greater than 1 000 V - Part 2: Dimensional and electrical characteristics, \$76.00

NUCLEAR INSTRUMENTATION (TC 45)

[IEC 60744 Ed. 2.0 b:2018](#), Nuclear power plants - Instrumentation and control systems important to safety - Safety logic assemblies used in systems performing category A functions: Characteristics and test methods, \$235.00

[IEC 60772 Ed. 2.0 b:2018](#), Nuclear power plants - Instrumentation systems important to safety - Electrical penetration assemblies in containment structures, \$281.00

PIEZOELECTRIC AND DIELECTRIC DEVICES FOR FREQUENCY CONTROL AND SELECTION (TC 49)

[IEC 61837-2 Ed. 3.0 en:2018](#), Surface mounted piezoelectric devices for frequency control and selection - Standard outlines and terminal lead connections - Part 2: Ceramic enclosures, \$375.00

POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)

[IEC 62325-451-6 Ed. 2.0 b:2018](#), Framework for energy market communications - Part 451-6: Publication of information on market, contextual and assembly models for European-style markets, \$410.00

QUANTITIES AND UNITS, AND THEIR LETTER SYMBOLS (TC 25)

[IEC 60375 Ed. 3.0 b:2018](#), Conventions concerning electric circuits, \$235.00

ROTATING MACHINERY (TC 2)

[IEC 60276 Ed. 2.0 b:2018](#), Carbon brushes, brush holders, commutators and slip-rings - Definitions and nomenclature, \$281.00

TERMINOLOGY (TC 1)

[IEC 60050-871 Ed. 1.0 b:2018](#), International electrotechnical vocabulary - Part 871: Active assisted living (AAL), \$281.00

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

Antech Imaging Services

Public Review: March 9 to June 1, 2018

South Carolina Law Enforcement Division (SLED)

Public Review: April 27 to July 23, 2018

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 notified 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 notify proposed technical regulations that may significantly affect trade to the WTO Secretariat in Geneva, Switzerland. In turn, the Secretariat issues and makes available these notifications. The purpose of the notification requirement is to provide global trading partners with an opportunity to review and comment on the regulations before they become final.

The USA Inquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Inquiry Point distributes the notified proposed foreign technical regulations (notifications) and makes the associated full-texts available to U.S. stakeholders via its online service, Notify U.S. Interested U.S. parties can register with Notify U.S. to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them.

To register for Notify U.S., please visit <http://www.nist.gov/notifyus/>.

The USA WTO TBT Inquiry Point is the official channel for distributing U.S. comments to the network of WTO TBT Enquiry Points around the world. U.S. business contacts interested in commenting on the notifications are asked to review the comment guidance available on Notify U.S. at <https://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm> prior to submitting comments.

For further information about the USA TBT Inquiry Point, please visit: <https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point>

Contact the USA TBT Inquiry Point at: (301) 975-2918; Fax: (301) 926-1559; E-mail: usatbtep@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 AN 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 a materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at www.scte.org or by e-mail from standards@scte.org.

ANSI Accredited Standards Developers

Approval of Accreditation as an ANSI ASD

MTConnect Institute (MTConnect)

ANSI's Executive Standards Council has approved the MTConnect Institute (MTConnect), a new ANSI member in December 2017, as an ANSI Accredited Standards Developer (ASD) under its proposed operating procedures for documenting consensus on MTConnect-sponsored American National Standards, effective May 11, 2018. For additional information, please contact: Ms. Pamela Kachel, Manufacturing Technology Administrator, MTConnect Institute, 7901 Jones Branch Drive, Suite 900, McLean, VA 22102; phone: 703.827.5274; e-mail: pkachel@amtonline.org.

U.S. Technical Advisory Groups

Approval of TAG Accreditation

U.S. TAG to ISO TC 314 – Ageing Societies

ANSI's Executive Standards Council (ExSC) has formally approved the accreditation of the U.S. Technical Advisory Group to ISO TC 314, Ageing societies under the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities (Annex A of the ANSI International Procedures) with Underwriters Laboratories (UL) serving as TAG Administrator, effective May 16, 2018. For additional information, please contact: Mr. Ross Wilson, Standards Specialist, Underwriters Laboratories, 12 Laboratory Drive, Research Triangle Park, NC 27709; phone: 919.549.1511; e-mail: ross.wilson@ul.com.

Information Concerning

U.S. National Committee of the IEC

USNC Needs Members/Representatives to Join Various USNC and IEC Groups

If you are interested in participating in any of these groups, please contact Kendall Szulewski-Francis, USNC Program Administrator, at ksfrancis@ansi.org.

These groups are as follows:

1. **US Representative on IEC Advisory Committee on Information Security and Data Privacy (ACSEC) and Member of US Coordinating Committee on Information Security and Data Privacy (USCCSEC)**

Scope:

- ACSEC deals with information security and data privacy matters, which are not specific to one single technical committee of the IEC. It coordinates activities related to information security and data privacy, and provides advice to the SMB on those subjects.
- ACSEC provides guidance to TC/SCs for implementation of information security and data privacy in a general perspective and for specific sectors.
- ACSEC also provides a venue for exchanging information between the IEC and other standards developing organizations relevant to ACSEC's scope.
- ACSEC follows closely research activities and trends in Academia.

2. **US Representative on IEC Advisory Committee on Energy Efficiency (ACEE) and Member of US Coordinating Committee on Energy Efficiency (USCCEE)**

Scope:

ACEE deals with energy efficiency matters, which are not specific to one single technical committee of the IEC. It coordinates activities related to energy efficiency. ACEE is responsible for the assignment of horizontal energy efficiency aspects and requirements. ACEE provides guidance for implementation in a general perspective and for specific sectors. It encourages a systems perspective for the development of standards for energy efficiency and provides support for system considerations.

3. **US Representative on IEC Advisory Committee on Electricity Transmission and Distribution (ACTAD) and Member of US Coordinating Committee on Electricity Transmission and Distribution (USCCTAD)**

Scope:

ACTAD deals with all matters concerning electricity transmission and distribution (T&D) which concern, or may potentially concern, more than one TC or SC. It may also have to deal with emerging broader subjects that may impact the T&D industry and IEC technical committees. ACTAD's responsibilities include:

1. to recommend standardization activities and their relative importance in order to help TCs/SCs in their development;
2. to identify technologies to be standardized in order to guide TCs/SCs in taking into account market needs;
3. to advise the SMB in the coordination of TC/SC activities so as to improve their effectiveness.

Announcement of Limited Substantive Changes to an Approved American National Standard

OLD

Steel Joist Institute Welding Requirements – During Manufacture

Previous To SJI 100-2015

4.5 CONNECTIONS

(a) Methods

Joist connections and splices shall be made by attaching the members to one another by arc or resistance welding or other accredited methods.

(1) Welded Connections

- a) Selected welds shall be inspected visually by the manufacturer. Prior to this inspection, weld slag shall be removed.
- b) Cracks are not acceptable and shall be repaired.
- c) Thorough fusion shall exist between weld and base metal for the required design length of the weld; such fusion shall be verified by visual inspection.
- d) Unfilled weld craters shall not be included in the design length of the weld.
- e) Undercut shall not exceed 1/16 inch (2 mm) for welds oriented parallel to the principal stress.
- f) The sum of surface (piping) porosity diameters shall not exceed 1/16 inch (2 mm) in any 1 inch (25 mm) of design weld length.
- g) Weld spatter that does not interfere with paint coverage is acceptable.

(2) Welded Connections for Crimped-End Angle Web Members

The connection of each end of a crimped angle web member to each side of the chord shall consist of a weld group made of more than a single line of weld. The design weld length shall include, at minimum, an end return of two times the nominal weld size.

(3) Welding Program

Manufacturers shall have a program for establishing weld procedures and operator qualification, and for weld sampling and testing. (See Technical Digest 8 - Welding of Open Web Steel Joists and Joist Girders.)

(4) Weld Inspection by Outside Agencies (See Section 5.12 of this specification)

The agency shall arrange for visual inspection to determine that welds meet the acceptance standards of Section 4.5(a)(1) above. Ultrasonic, X-Ray, and magnetic particle testing are inappropriate for joists due to the configurations of the components and welds.

NEW

Steel Joist Institute Welding Requirements – During Manufacture

Included In SJI 100-2015

4.5 CONNECTIONS

4.5.1 Methods

Member connections and splices shall be made by attaching the members to one another by arc or resistance welding or other accredited methods in accordance with the following:

- a) Steel joist and Joist Girder arc welded joints shall be in accordance with the American Welding Society, "Structural Welding Code-Steel", D1.1, and/or the "Structural Welding Code Sheet Steel", D1.3 with the following seven modified acceptance criteria as permitted by AWS D1.1 Clause 6.8:

- 1) Undercut shall not exceed 1/16 inch (2 mm) for welds oriented parallel to the principal stress.

User Note: The typical diagonal web member connection to one leg of a chord angle is considered to be parallel to the principal stress.

- 2) Discontinuities outside of the weld design length shall be permitted provided no cracks exist and undercut does not exceed the limits of item 1).

User Note: The weld design length is the minimum weld length needed for the connection force and weld thickness. Portions of the actual weld length with imperfections or discontinuities such as porosity or lack of a full profile are not included when comparing the actual weld length to the weld design length.

- 3) One unrepaired arc strike shall be permitted per joint provided it does not result in other unacceptable defects.

User Note: Minor arc strikes do not reduce the strength of AWS Group II materials (refer to Van Malssen, 1984).

NEW

- 4) The effective throat for flare bevel groove welds shall be calculated in accordance with equation 4.2-18.

User Note: The effective weld throat used by the SJI with round bars is based on SJI research and is more conservative than AWS D1.1 for GMAW for round bars in excess of 9/16" (14 mm). See Steel Joist Institute Technical Digest 8, "Welding of Open Web Steel Joists and Joist Girders".

- 5) Tack welds that are discontinuous from other welds shall meet the criteria for undercut, but shall be exempt from all other acceptance criteria.

User Note: Joist manufacturers use tack welds in the assembly process, and so long as they do not diminish the strength of the base metal and are not incorporated into the final weld for strength, they are not required to meet other inspection criteria.

- 6) The weld profile shall be considered acceptable provided neither the weld leg nor the weld throat is undersized less than AWS D1.1 limits within the weld design length.
- 7) For material with thickness less than 1/8", AWS D1.1 or D1.3 shall be considered appropriate.

User Note: AWS D1.1 does not address thicknesses less than 1/8" for hot rolled material and AWS D1.3 does not address hot rolled material, thus SJI has extended the ranges to include these material thicknesses.

- b) Steel joist and Joist Girder resistance welded joints shall follow a preproduction validation procedure and a production checking procedure and shall meet the strength requirements of this Specification.

User Note: Spot, flash or upset resistance welds should have a written welding procedure qualification record and a systematic quality plan. For further information, see Steel Joist Institute Technical Digest 8, "Welding of Open Web Steel Joists and Joist Girders".

- c) Welded Connections for Crimped-End Angle Web Members

- 1) The connection of each end of a crimped angle web member to each side of the chord shall consist of a weld group made of more than a single line of weld. The design weld length shall include an end return of no less than two times the nominal weld size.

- d) Welding Program

NEW

- 1) The manufacturer's welders shall be qualified in accordance with either AWS D1.1 or AWS D1.3 for the applicable weld type, position, and material.
 - 2) Manufacturers shall have a program for establishing weld procedures and operator qualification, and for weld sampling and testing. Each manufacturing facility shall have trained inspectors, and an engineer responsible for all welding procedures.
- e) Weld Inspection by Outside Agencies (See Section 5.14)
- 1) The agency shall arrange for visual inspection to determine that welds meet the acceptance standards of Section 4.5.1.

User Note: Ultrasonic, X-ray, and magnetic particle testing are inappropriate for joists due to the configurations of the components and welds.

ASME B16.50-~~2013~~ 20XX

[Revision of ASME B16.50-~~2001 (R2000)~~] 2013

Proposed Revision of:

Wrought Copper and Copper Alloy Braze-Joint Pressure Fittings

Draft Date 05/2018

TENTATIVE
SUBJECT TO REVISION OR WITHDRAWAL
Specific Authorization Required for Reproduction or Quotation
ASME Codes and Standards

MANDATORY APPENDIX II

REFERENCES

~~The following is a list of publications referenced in this Standard. Unless otherwise specified, the latest issue shall apply.~~

ASME B1.20.1, Pipe Threads, General Purpose (Inch)
 ASME B4.4M, Inspection of Workpieces
 ASME B16.18, Cast Copper Alloy Solder Joint Pressure Fittings
 ASME B31.1, Power Piping
 ASME B31.9, Building Services Piping
 ASME Boiler & Pressure Vessel Code, Section II, Materials, Part B — Nonferrous Material Specifications

Publisher: The American Society of Mechanical Engineers (ASME), Two Park Avenue, New York, NY 10016-5990; Order Department: 22 Law Drive, P.O. Box 2900, Fairfield, NJ 07007-2900 (www.asme.org)

~~ASTM B88-09, Seamless Copper Water Tube~~
~~ASTM B280-08, Seamless Copper Tube for Air Conditioning and Refrigeration Field Service~~
~~ASTM B819, Seamless Copper Tube for Medical Gas Systems~~
~~ASTM E29-08, Practice for Using Significant Digits in Test Data to Determine Conformance with Specification~~

Publisher: American Society for Testing and Materials (ASTM International), 100 Barr Harbor Drive,

P.O. Box C700, West Conshohocken, PA 19428-2959 (www.astm.org)

AWS A5.8-04, Filler Metals for Brazing and Braze Welding

Publisher: American Welding Society (AWS), 8669 Doral Boulevard, Doral, FL 33166 (www.aws.org)

ISO 9000:2005, Quality management systems — Fundamentals and vocabulary¹

ISO 9001:2008, COR 1 2009, Quality management systems — Requirements¹

ISO 9004:2009, Quality management systems — Guidelines for performance improvements¹

Publisher: International Organization for Standardization (ISO), Central Secretariat, 1, ch. de la Voie-Creuse, Case postale 56, CH-1211 Genève 20, Switzerland/Suisse (www.iso.org)

MSS SP-25-1998, Standard Marking System for Valves, Fittings, Flanges and Unions

Publisher: Manufacturers Standardization Society of the Valve and Fittings Industry, Inc. (MSS), 127 Park Street, NE, Vienna, VA 22180 (www.mss-hq.org)

¹ May also be obtained from American National Standards Institute (ANSI), 25 West 43rd Street, New York, NY 10036.

ASTM B88-16, Standard Specification for Seamless Copper Water Tube
 ASTM B280-16, Standard Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service
 ASTM B819-00(2011), Standard Specification for Seamless Copper Tube for Medical Gas Systems
 ASTM E29-13, Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specification

Managing for the sustained success of an organization -- A quality management approach¹

The following is a list of publications referenced in this Standard. Unless otherwise specified, the latest edition of ASME publications shall apply. Materials manufactured to other editions of the referenced ASTM standards shall be permitted to be used to manufacture fittings meeting the requirements of this Standard as long as the fitting manufacturer verifies the material meets the requirements of the referenced edition.

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[Note – the changes are illustrated below using ~~strikeout~~ for proposed removal of existing text and grey highlights to indicate the proposed new text. ONLY the highlighted text and ~~strikeout~~ text is within the scope of this ballot. Rationale Statements are in RED and only used to add clarity; these statements will NOT be in the finished publication]

NSF/ANSI International Standard for Food Equipment —

Dispensing Equipment

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5 Design and construction

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5.30.1.4 Dispensing lockout manual cleaning and sanitization frequency

A heat treatment dispensing freezer shall be equipped with a dispensing lockout that is activated if the dispensing freezer has not been completely disassembled for manual cleaning and sanitization in accordance with the manufacturer's instructions within a specified time period. The manufacturer shall specify the maximum number of days the dispensing freezer may be operated before being disassembled and manually cleaned and sanitized. The specified period shall not exceed 42 d (1,008 h) for machines with non pre-packaged product or 92 d (2208 h) for machines with pre-packaged product. The dispensing lockout mechanism shall be designed so that the lockout cannot be reset or overridden by the partial disassembly of the equipment or by means of a manual switch or similar device.

5.30.1.5 Monitoring display

A heat treatment dispensing freezer shall have a clearly visible display showing the following information:

- the time elapsed since the last heat treatment cycle was completed;
- the time elapsed since the product temperature was last at or above 150 °F (65 °C);
- the number of heat treatment cycles completed since the time the machine was most recently disassembled for manual cleaning and sanitization; and
- the temperature of the product mix in the product reservoir.

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***Rationale** – The design for Dispensing Equipment has changed markedly over time, with new technologies demonstrating machines that operate in a more sanitary manner than ever before. With these improvements, equipment manufacturers are developing machines that operate longer between disassembly, cleaning and sanitization cycles. Extension of the lockout period between manual cleaning of heat treatment dispensing freezers is more feasible for machines intended for pre-packaged product because risk of product contamination is considered lower than in machines intended for non-prepackaged product. Daily efficacy testing is required through the recommended time period between manual cleaning, and preliminary testing has supported the ability to exceed 92 days.*

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6 Performance

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6.5.2.2 For machines with pre-packaged product

The dispensing freezer shall be operated in accordance with the manufacturer's instructions. After the freezer dispenses and discards 250 mL of product, a heat treatment cycle shall be started. Upon completion of one heat treatment cycle, four 40-mL samples shall be collected by dispensing product into sample bottles. 40 mL of product shall be dispensed and discarded between each two sample collections. The freezer shall be allowed to operate for a total of 24 h, including a minimum of 12 h in the standby mode (if available) before starting the next heat treatment cycle. Prior to the start of the next heat treatment cycle, the product path shall be refilled with inoculated product mix (challenge suspension) so that the *E. coli* density in the product path is at least 1×10^4 cfu/mL. The procedures described in this paragraph shall be repeated each day for as many days (not to exceed 42 92 d) as is recommended by the manufacturer between manual cleaning and sanitization of the dispensing freezer.

All samples and controls shall be enumerated by the Standard Plate Count and Violet Red Bile Agar pour plate methods in accordance with APHA, *Standard Methods for the Examination of Dairy Products*.^{Error!}
Bookmark not defined.

6.5.3 Acceptance criteria

The plate counts for each of the collected samples shall not exceed the following:

- total plate count organisms: 5×10^4 cfu/mL; and
- coliform organisms (*E. coli*): 10 cfu/mL.

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6.9 Dispensing lockout verification – manual cleaning and sanitization frequency

6.9.1 Performance requirement

A dispensing lockout shall be activated if the dispensing freezer has not been disassembled for manual cleaning and sanitization in accordance with the manufacturer's instructions. ~~within a period of 1008 h (42 d) since the time the machine was last disassembled for manual cleaning and sanitization.~~ The specified period since the machine was last disassembled for manual cleaning and sanitization shall not exceed 42 d (1,008 h) for machines with non pre-packaged product or 92 d (2208 h) for machines with pre-packaged product. The lockout shall prohibit the dispensing of frozen product until the dispensing freezer has been disassembled for manual cleaning and sanitization in accordance with the manufacturer's instructions.

6.9.2 Test method

The dispensing freezer shall be filled with product and operated in accordance with the manufacturer's instructions, including the required heat treatment cycles. The dispensing freezer shall be operated continuously (without being disassembled for manual cleaning and sanitization) for a period of 1 h beyond the maximum time period between manual cleanings (as prescribed by the manufacturer) ~~or 1008 h (42 d + 1 h), whichever is less.~~ An attempt shall then be made to dispense frozen product.

6.9.3 Acceptance criteria

The dispensing freezer shall not dispense frozen product.

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NSF/ANSI Standard for Plastics —

Plastics piping system components and related materials

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2 Normative references

The following documents contain requirements that, by reference in this text, constitute requirements of this Standard. At the time of publication, the indicated editions were valid. All of the documents are subject to revision, and parties are encouraged to investigate the possibility of applying the recent editions of the documents indicated below. It is the responsibility of the user of this Standard to determine the acceptance of the referenced Standards to the application and requirements of the local jurisdictions. The most recent published edition of the document shall be used for undated references.

2.1 Normative references for plastic pipe and related components

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ASTM F2929-13. *Standard Specification for Cross-linked Polyethylene (PEX) Tubing of 0.070 in. Wall and Fittings for Radiant Heating Systems up to 75 psig*⁵

ASTM F2969-12. *Standard Specification for Acrylonitrile Butadiene Styrene (ABS) IPS Dimensioned Pressure Pipe*⁵

ASTM F3128-15. *Standard Specification for Poly(Vinyl Chloride) (PVC) Schedule 40 Drain, Waste, and Vent Pipe with a Cellular Core*⁵

ANSI/AWWA C900-16. *Polyvinyl Chloride (PVC) Pressure Pipe, and Fabricated Fittings, 4 in Through 60 in (100 mm Through 1500 mm)*⁶

ANSI/AWWA C901-08. *Polyethylene (PE) Pressure Pipe and Tubing, 1/2 in (13 mm) Through 3 in (76 mm), for Water Service*⁶

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9 Quality assurance

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⁵ American Society for Testing Materials (ASTM). 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 <www.astm.org>.

⁶ American Water Works Association (AWWA). 6666 W. Quincy Avenue, Denver, CO 80235 <www.awwa.org>.

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Table 9.12 – PVC pipe test frequency

Test	Potable water ¹	DWV	DWV (3.25" OD)	DWV cellular core	Sewer	Well casing ²
acetone	annually	—	annually	annually	annually	—
bond	—	—	—	weekly	—	—
burst pressure	24 h ³	—	—	—	—	—
deflection load and crush	—	annually	annually	—	—	annually
dimensions						
pipe OD	2 h	2 h	2 h	2 h	2 h	2 h
pipe wall thickness	2 h	2 h	2 h	2 h	2 h	2 h
pipe out-of-roundness	2 h	2 h	2 h	2 h	2 h	2 h
flattening resistance	annually	—	annually	annually	annually	—
impact resistance @ 0 °C (32 °F) ³	—	—	—	—	—	24 h
impact @ 22.8 °C (73 °F) ³	24 h	24 h	24 h	24 h	24 h	—
joint tightness	—	—	—	—	annually	—
stiffness	—	annually	annually	annually	annually	annually
sustained pressure	annually	—	—	—	—	—
tup puncture resistance	—	—	—	—	—	annually
product standard(s)	ASTM D1785 ASTM D2241	ASTM D2665	ASTM D2949	ASTM F891 ASTM F3128	ASTM D2729 ASTM D3034 ASTM F679	ASTM F480
¹ 23 °C (73 °F) impact applies only to products produced under ASTM D2241 as referenced in 2 of this Standard.						
² Impact testing shall be in accordance with ASTM F480 as referenced in Section 2 of this Standard and the specified impact classification of IC-1, IC-2, or IC-3.						
³ If one material is continuously used in several machines or sizes, then when a steady-state operation is obtained on each machine, sample selection shall be from a different extruder each day and rotated in sequence among all machines or sizes.						

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NSF/ANSI Standard 49 for Biosafety Cabinetry — Design, Construction, Performance, and Field Certification

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5 Design and construction

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5.26.2 Electrical wiring, switches, etc.

Replaceable electrical components shall not be located in contaminated air plenums, except for fan motors, sealed nonporous or jacketed wiring, and necessary airflow sensors. All wiring penetrations of contaminated spaces shall be sealed in accordance with 6.2. Circuit overload protection shall be provided for all receptacles. Switches shall be mounted outside the work area. Cabinet wiring diagram(s), such as assembly or ladder schematic, shall be accessible by downloadable barcode, permanent label or sealed plastic pouch attached to a cabinet panel or surface located outside of air plenums systems. A statement providing starting current, approximate operating current ~~running power~~, and circuit requirements shall be provided with the installation instructions.

***Rationale:** Direct Current motors, ECM motors and 3-phase motors will draw more power as the BSC filters load, or if inflow and downflow are increased. This proposed language allows for some understood tolerance in this phrase in section 5.26.2.*

Summary of Draft PDS-02 substantive changes to Draft PDS-01 BSR/RESNET/ICC 380-201x

Standard for Testing Airtightness of Building, Dwelling Unit, and Sleeping Unit Enclosures;² Airtightness of Heating and Cooling Air Distribution Systems;³ and Airflow of Mechanical Ventilation Systems

1. Definitions

Blower Door – A device that combines an Air-Moving Fan as defined in Section ~~34.1.1~~, an Airflow Meter as defined in Section ~~34.1.3~~, and a covering to integrate the Air-Moving Fan into the building or Dwelling Unit opening.

Compartmentalization Boundary - The surface that bounds the Infiltration Volume of the Dwelling Unit.

Infiltration Volume¹ – The sum of the Conditioned Space Volume and additional adjacent volumes in the Dwelling Unit that meet the following criteria:

- Crawlspace and floor assemblies above crawlspaces, when the access doors or hatches between the crawlspace and Conditioned Space Volume are open during the enclosure airtightness test (Section ~~34.2.3~~),
- Attics, when the access doors or access hatches between the attic and Conditioned Space Volume are open during the enclosure airtightness test (Section ~~34.2.4~~),
- Basements and floor assemblies above basements, where the doors between the basement and Conditioned Space Volume are open during the enclosure airtightness test (Section ~~34.2.5~~).

4. Procedure for Measuring Airtightness of Building or Dwelling Unit Enclosure

4.1. Equipment

The Equipment listed in this section shall have their calibrations checked at the manufacturer's recommended interval, and at least annually if no time is specified.

4.1.1 Air-Moving Fan. A fan that is capable of moving air into or out of the building or ~~unit~~ Dwelling Unit to achieve one or more target pressure differences between the building or Dwelling Unit and the exterior.

4.1.5 Blower Door. A device that combines an Air-Moving Fan as defined in Section ~~34.1.1~~, an Airflow Meter as defined in Section 4.1.3, and a covering to integrate the Air-Moving Fan into the building opening.

4.2 Procedure to Prepare the Building or Dwelling Unit for Testing⁵

⁵ (Normative Note) It is permissible for air tightness testing of dwelling units that contain fire suppression systems to be performed with temporary sprinkler head covers in place.

4.2.4. Attics. Attics shall be configured as follows and the position of the attic access doors and hatches shall be recorded. When the access doors and hatches between the Conditioned Space Volume and the attic are closed, due to requirements in 4.2.4.1 or ~~4.2.4.2.1~~, ~~or~~ there are no access doors, the attic shall be excluded from Infiltration Volume and Conditioned Space Volume.

4.2.5. Basements. Basements shall be configured as follows and the position of the basement doors shall be recorded. When doors between the Conditioned Space Volume and the basement are closed,

due to requirements in 4.2.5.1.1 or 4.2.5.1.2, the basement shall be excluded from Infiltration Volume and Conditioned Space Volume.

4.2.9. Fans. Any fan or appliance capable of inducing airflow across the building or Dwelling Unit enclosure shall be turned off including, but not limited to, clothes dryers, attic and crawlspace fans, kitchen and bathroom exhaust fans, air handlers, and ventilation fans used in a Dwelling-Unit Mechanical Ventilation system⁶, and crawlspace and attic ventilation fans. The party conducting the test shall not turn on fans in adjacent attached Dwelling Units. For continuously operating central ventilation systems serving more than one Dwelling Unit in a building with multiple Dwelling Units, the registers shall be sealed in the subject Dwelling Unit. The central ventilation system shall be turned off where possible. If it is not possible to turn off the system, then it can be left operating provided sealing select registers will not compromise the system and the sealed registers remain sealed during the test.

4.3.2.4 The doorway where the Blower Door is installed shall be inspected for the presence of a door sweep. Where a door sweep is not present, 140 CFM50 shall be added to the measured airflow. This adjustment, and the presence and condition of the door sweep shall be documented in the final test report¹⁹.

¹⁹ (Normative Note) The adjustment may be subsequently removed if the weather stripping and door sweep continuity is inspected and confirmed.

~~**4.3.3. Procedure to Install the Test Apparatus and Prepare for Airtightness Test for a Full Building Single Zone or Simultaneous Multi Zone Blower Door Test**~~

~~**4.3.3.1** Conduct the test in accordance with the: Air Barrier Association of America Standard Method for Building Enclosure Airtightness Compliance Testing.~~

~~**4.3.3.2.** A single zone shall be created²⁰ or all zones within the building shall be simultaneously tested²¹.~~

~~²⁰ (Informative Note) For example, open all interior Dwelling Unit, corridor, and stairway doors in a double loaded corridor building.~~

~~²¹ (Informative Note) For example, all 21 Dwelling Units in a three-story, 21-unit building with unit entry ways leading to an outside corridor or eight of eight townhouses.~~

4.4.2.2. The Air-Moving Fan shall be unsealed, turned on, and adjusted to create at least five induced enclosure pressure differences at approximately equally-spaced pressure stations between 10 Pa (0.04 in. H₂O) and either 60 Pa (0.24 in. H₂O) or the highest achievable pressure difference up to 60 Pa. The induced enclosure pressure difference is defined as the measured enclosure pressure at the pressure station, with reference to the exterior, minus the Pre-Test Baseline Dwelling Unit Pressure. If a manometer is used that has automatic baseline adjustments²¹ then the Pre-Test Baseline Dwelling Unit Pressure shall not be subtracted from the adjusted value. The induced enclosure pressure difference is positive for pressurization and negative for depressurization. An indication of whether the Air-Moving Fan pressurized or depressurized the Dwelling Unit shall be recorded.

At each pressure station, the average value of the induced enclosure pressure difference, the airflow, and the temperature airflow, measured over at least a 10-second period, shall be recorded. The highest induced enclosure pressure difference shall be at least 25 Pa (0.1 in. H₂O). If 25 Pa (0.1 in. H₂O) is not achieved, the One-Point Airtightness Test in Section 34.4.1 shall be used.

²⁰ (Normative Note) Software provided by manufacturers of test equipment is permitted to be used to perform these calculations if the manufacturer certifies that the calculations are performed in accordance with ASTM E779.

²¹ (Normative Note) Software provided by manufacturers of test equipment is permitted to be used to perform these calculations if the manufacturer certifies that the calculations are performed in accordance with ASTM E779.

4.4.2.6 The Effective Leakage Area (ELA) shall be calculated using Equation 3:

$$ELA(in^2) = C \left(\frac{ft^3}{minPa^n} \right) \times 0.567 \times 4^{(n-0.5)} \quad (3a)$$

$$ELA(m^2) = C \left(\frac{m^3}{sPa^n} \right) \times 0.775 \times 4^{(n-0.5)} \quad (3b)$$

Where C and n are the values determined in Section ~~34~~4.2.5.

4.4.2.7. The flow through the building or Dwelling Unit enclosure at 50 Pa (0.20 in. H₂O) (CFM50 or CMS50) shall be calculated using Equation 4:

$$CFM50 = C \left(\frac{ft^3}{minPa^n} \right) \times 50^{(n)} \quad (4a)$$

$$CMS50 = C \left(\frac{m^3}{sPa^n} \right) \times 50^{(n)} \quad (4b)$$

Where C and n are the values determined in Section ~~34~~4.2.5.

5.2 Procedure to Prepare the Building or Dwelling Unit and the Duct System for Testing

5.2.1 The presence of all components that are included in the HVAC design for the Dwelling Unit²⁷ and integrated with the duct system shall be verified. The leakage from these components must be captured when the test is conducted. If these components have not yet been installed²⁸, then the test shall not be conducted.

Exception: Complete installation of all components is not required if the authority having jurisdiction allows testing with missing components. Any missing components shall be documented in the final test report.

6. Procedure for Measuring Airflow of Mechanical Ventilation Systems

The purpose of this test procedure is to measure the volumetric airflow through a mechanical ventilation system including a Dwelling Unit Mechanical Ventilation system³⁷ or a local mechanical exhaust system^{38, 39}.

The airflow is permitted to be measured at the inlet terminal, per Section 6.12; or at the outlet terminal, per Section 6.23; or mid-stream in the ventilation duct, per Section 6.34.

The inlet terminal is defined as the location where the ventilation air enters the mechanical ventilation system and the outlet terminal is defined as the location where the ventilation air exits the mechanical ventilation system. A diagram of these locations for a generic mechanical ventilation system is shown in Figure 1.

Insert new subsection 6.1. and renumber the existing subsections of Section 6.

6.1. Procedure to Prepare the Building or Dwelling Unit and Mechanical Ventilation System for Testing

6.1.1. Interior Doors. All interior doors between rooms inside the Conditioned Space Volume shall be opened.

6.1.2. Ventilation openings. Operable window trickle-vents and through-the-wall vents shall be opened. Dampered and non-dampered ventilation openings shall not be sealed ⁴⁰.

6.1.3. Supply registers and return grilles. Heating and cooling supply registers and return grilles shall be left in their as-found position and shall not be sealed.

6.1.4. Balancing dampers. All balancing dampers shall be left in their as-found position.

6.1.5. Zone dampers. If a Dwelling Unit Mechanical Ventilation system is to be tested and is interconnected with a Forced-Air System, then all zone and bypass dampers shall be set to their open position. Otherwise, zone and bypass dampers shall be left in their as-found position.

6.1.6. Vented combustion appliances. Vented combustion appliances shall remain off or in "pilot only" mode for the duration of the test.

6.1.7. Forced-Air System Components. If a Dwelling Unit Mechanical Ventilation system is to be tested and uses the Blower Fan of a Forced-Air System as its primary fan, then the presence of all components included in the Forced-Air System design for the Dwelling Unit and integrated with the duct system ⁴¹ shall be verified. If these components have not yet been installed ⁴², then the test shall not be conducted.

6.1.8. Forced-Air System Blower Fan. The system controls shall be adjusted as follows:

6.1.8.1. If a Dwelling Unit Mechanical Ventilation system is to be tested and uses the Blower Fan of a Forced-Air System as its primary fan, then the Forced-Air System controls shall be adjusted to "Fan" mode so that the Blower Fan operates during the test.

6.1.8.2. Otherwise, the Forced-Air System controls shall be adjusted so that the Blower Fan does not operate during the test.

6.1.9 Local Mechanical Exhaust or Dwelling Unit Mechanical Ventilation System Fan. The fan of the Local Mechanical Exhaust system or Dwelling Unit Mechanical Ventilation system under test shall be turned on. For Dwelling Unit Mechanical Ventilation systems that use the Blower Fan of a Forced-Air System as its primary fan, then this shall be accomplished according to Section 0.

6.1.10. Other Fans. Any other fans that could change the pressure in either the Conditioned Space Volume or any spaces containing the ducts of the Dwelling Unit Mechanical Ventilation system or Local Mechanical Exhaust system ⁴³ under test shall be turned off.

⁴⁰ (Informative Note) For example, a fixed damper in a duct supplying outdoor air for an intermittent ventilation system that utilizes the Blower Fan shall be left in its as-found position.

⁴¹ (Informative Note) For example, heating, cooling, ventilation, dehumidification, humidification, and filtration components.

⁴² (Informative Note) For example, an air handler has not yet been installed in new construction.

⁴³ (Informative Note) For example, clothes dryers, attic fan.

~~6.16.2.~~ Procedure to Measure Airflow at Inlet Terminal

This Section defines procedures to measure the airflow of a mechanical ventilation system at an inlet terminal. The airflow is permitted to be measured using a Powered Flow Hood (Section 6.12.1); using an Airflow Resistance Device (Section 6.12.2); or using a Passive Flow Hood (Section 6.12.3).

~~6.26.3~~ Procedure to Measure Airflow at Outlet Terminal

This Section defines procedures to measure the airflow of a mechanical ventilation system at an outlet terminal. The airflow is permitted to be measured using a Powered Flow Hood (Section 6.23.1) or using a Bag Inflation Device (Section 6.23.2).

6.2.1-6.3.1 Powered Flow Hood. To measure airflow at an outlet terminal using a Powered Flow Hood, Section 6.12.1 shall be followed except with all occurrences of the phrase “inlet terminal” replaced with “outlet terminal”.

6.36.4 Procedure to Measure Airflow Mid-Stream in the Ventilation Duct

This Section defines a procedure to measure the airflow of a mechanical ventilation system mid-stream in the ventilation duct. The airflow is permitted to be measured using an Airflow Measurement Station (Section 6.34.1) or using an Integrated Diagnostic Tool (Section 6.34.3).

8.1 Equipment Guards - The air-moving equipment shall be ~~UL, CSA or CE~~ listed by an accredited certification body⁴⁸ and include all proper guards or cages to house the fan or blower and to prevent accidental access to any moving parts of the equipment.

⁴⁸ (Informative Note) Listing is indicated by the certification body's certification mark on the such as “UL”, “CSA”, “CE” or equivalent.

9. References

ACCA, “Manual B Balancing and Testing Air and Hydronic Systems”, Air Conditioning Contractors of America, Arlington, VA.

ACCA, “Manual D Residential Duct Systems”, [ANSI/ACCA 1 Manual D-2016], Air Conditioning Contractors of America, Arlington, VA.

ACCA, “Manual J Residential Load Calculation,” 8th Edition, [ANSI/ACCA 2 Manual J-2016]. Air Conditioning Contractors of America, Arlington, VA.

ACCA, “Manual S Residential Heating and Cooling Equipment Selection”, 2nd Edition, [ANSI/ACCA 3 Manual S-2014]. Air Conditioning Contractors of America, Arlington, VA.

Air Barrier Association of America Standard Method for Building Enclosure Airtightness Compliance Testing dated August 25, 2016, www.airbarrier.org

International Building Code 2018, International Code Council, Washington, D.C.

10. Informative References

American National Standards Institute, ANSI, (<http://www.ansi.com>)

International Code Council, ICC, (<http://www.iccsafe.org>)

Occupational Safety and Health Administration, OSHA, (<https://www.osha.gov>)

Residential Energy Services Network, Inc., RESNET, (<http://www.resnet.us>)

BSR/UL 87A, Standard for Safety for Power-Operated Dispensing Devices for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85)

1. Revisions to add CE40a test fluid requirements

PROPOSAL

29.1.1 The test outlined in 29.2 - 29.4 is to be performed on one or two samples of the device.

If the product is rated for use with gasoline or a gasoline/ethanol blends with a nominal ethanol concentration of up to 25 percent (E0 - E25), then the test shall be performed using the CE25a test fluid.

If the product is rated for use with gasoline or a gasoline/ethanol blends with a nominal ethanol concentration of up to 40 percent (E0 - E40), then the test shall be performed using both the CE25a and CE40a test fluids.

If the product is rated for use with a gasoline/ethanol blend with a nominal ethanol concentration ~~above 25~~ of up to 85 percent, then the test shall be performed using both the CE25a and CE85a test fluids.

See Supplement SA for the test fluids.

33.2 For products rated for gasoline or a gasoline/ethanol blends with a nominal ethanol concentration of up to 25 percent (E0 - E25), the test shall be performed on one set of samples using the CE25a test fluid. If the product is rated for use with gasoline or a gasoline/ethanol blends with a nominal ethanol concentration of up to 40 percent (E0 - E40), then the test shall be performed using both the CE25a and CE40a test fluids. If the product is rated for gasoline/ethanol blends with a nominal ethanol concentration ~~above 25~~ of up to 85 percent, then the test shall be performed on two sets of samples using both the CE25a and CE85a test fluids. See Supplement SA. Each set of samples shall be immersed (completely submerged) in vessels containing the applicable test fluid for 168 hours at $23 \pm 2^{\circ}\text{C}$ ($73 \pm 4^{\circ}\text{F}$).

34.2 For products rated for gasoline or a gasoline/ethanol blend with a nominal ethanol concentration of up to 25 percent (E0 - E25), the test shall be performed on one set of samples using the CE25a test fluid. If the product is rated for use with gasoline or a gasoline/ethanol blends with a nominal ethanol concentration of up to 40 percent (E0 - E40), then the test shall be performed using both the CE25a and CE40a test fluids. If the product is rated for gasoline/ethanol blends with a nominal ethanol concentration ~~above 25~~ of up to 85 percent, then the test shall be performed on two sets of samples using both the CE25a and CE85a test fluids. See Supplement SA. Each set of samples shall be immersed (completely submerged) in vessels containing the applicable test fluids for 168 hours at $23 \pm 2^{\circ}\text{C}$ ($73 \pm 4^{\circ}\text{F}$).

42.4 For products rated for gasoline or a gasoline/ethanol blend with a nominal ethanol concentration of up to 25 percent (E0 - E25), the test shall be performed on one set of samples using the CE25a test fluid. If the product is rated for use with gasoline or a gasoline/ethanol blends with a nominal ethanol concentration of up to 40 percent (E0 - E40), then the test shall be performed using both the CE25a and CE40a test fluids. If the product is rated for gasoline/ethanol blends with a nominal ethanol concentration ~~above 25~~ of up to 85 percent, then the test shall be performed on two sets of samples using both the CE25a and CE85a test fluids. See Supplement SA. The specimens are to be exposed for 168 hours (7 days) to saturated vapors of the applicable test fluids as separate tests. During and after the exposure, the specimens are to be observed for discoloration, swelling, crazing, leaching, or dissolving.

BSR/UL 414, Standard for Safety for Meter Sockets**2. Revision to Address Meter Socket Adapters Provided with Means for Connection to Alternative Energy Systems**

1.6 Except as indicated in 1.10, A as covered by these requirements, a meter socket does not include:

- a) A meter,
- b) An overcurrent device,
- c) An instrument transformer,
- d) An arcing or switching part, or
- e) A similar component.

A meter socket does not have provision for installation of instrument transformers within the meter socket enclosure.

1.10 This Standard contains requirements in Supplement SA that cover meter socket adapters, including adapters with provisions for connection of alternative energy sources, that may contain overcurrent protection.

BSR/UL 1004-4, Standard for Electric Generators

Text shown is the Recirculation of changes to original proposals balloted

3. Addition of definition for standby generator

PROPOSAL

2A.2 STANDBY GENERATOR - Electrical generator intended to provide power during ~~emergency (temporary) conditions~~ temporary conditions where normal power is disrupted (e.g. in the case of a severe storm).

4. Addition of construction requirements for machines rated over 1,000 V or employing form wound constructions

PROPOSAL

2B.1 Machines rated in excess of 1,000 V, or rated between 460 V and up to 34,000 V, and employing a form wound insulation system shall additionally meet the requirements of the Standard for Form Wound and Medium Voltage Rotating Electrical Machines, UL 1004-9.

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BSR/UL 1026, Standard for Household Electric Cooking and Food Serving Appliances**1. Revision to smart enabled appliances to make requirements consistent for pressing the start button on the physical appliance****PROPOSAL**

SA3.3 With respect to SA3.2(c), a remote activation is not permitted for operating modes considered "attended", where the user is intended to be present with the equipment during the entire cooking function, such as a toaster, grill, broiler, table stove, etc. Remote operation is acceptable for other operations, considered "unattended", such as a slow cooker, baking, convection, etc., under all of the following conditions:

a) The user can remotely initiate and set up for an unattended cooking mode. The "Start" button on the physical appliance must be pressed within 10 minutes of programming in order to initiate the cooking mode, otherwise it shall be cancelled. Remote programming may include remote activation for heating function modes and remote cancellation times only.

Exception: The "Start" button is not required to be pressed within 5 10 minutes of programming of an appliance for heating liquid based food product or a toaster oven if outer enclosure or exterior cooking surface temperature does not exceed 65°C (117°F) rise when tested in accordance with the Normal Temperature Test, Section 41.

b) For appliances with a timer, the duration of operation shall be set before the appliance can be started, unless the appliance switches off automatically at the end of a cycle or it can operate continuously without giving rise to a hazard.

c) Remote cancellation of any unattended cooking mode by the user is allowed.

d) Remote uploading of proprietary cooking algorithms by the user is allowed. However, reprogramming of any protective function is prohibited.

BSR/UL 1598, Standard for Luminaires

21. Withdrawal of Proposal: Add requirements for luminaires for use in clothes closets in Clause 12.8 (CAN)

If the 2018-01-05 proposal is withdrawn, the requirements proposed in the work area dated 2017-04-28 would remain unchanged as shown below:

12.8.2.1.7 (CAN) In Canada, the pass criterion is if the temperature is stabilized at 60 °C (140 °F) or less.

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**BSR/UL 60745-2-16, Standard for Safety for Hand-Held Motor-Operated Electric Tools – Safety
– Part 2-16: Particular Requirements for Tackers**

**1. Proposed Addition Of Clause 3.111DV To Define Light-Duty Tools And Addition Of Clause
19.101DV To Modify Current Mechanical Hazard Test Requirements To Address Tools
Considered
Light Duty**

19.101DV D2 Modification: Replace Item (b) of Clause 19.101 of the Part 2 with the following:

~~b) Be light duty tool so designed that the fasteners up to 51 mm in length and a maximum 23 gauge (0,64 mm), where viewing/accurate placement is necessary shall operate by a dual activation device which only operates by two sequential dissimilar actions.~~

19.101DV D2 Modification: Replace Clause 19.101 of the Part 2 with the following:

The tool shall be provided with a user-operated trigger such that the tool cannot be actuated when the trigger is in a released position (i.e. in an "off" position) and:

a) have a workpiece contact so that it is not possible to operate the tool unless both the trigger and the workpiece contact have been activated,

b) be so designed that the fasteners have a speed in free air at the point they leave the tool no greater than 15 m/s, and have a mass no greater than 0,3 g. or

c) be a pinner operated by a dual activation device which operates by two sequential, dissimilar actions.