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American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: December 11, 2016

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

Addenda

BSR/ASHRAE Addendum 161d-201x, Air Quality within Commercial Aircraft (addenda to ANSI/ASHRAE Standard 161-2013)

This proposed addendum expands on the design and operational requirements intended to prevent overservicing of the aircraft engines and auxiliary power unit (APU) with engine oil.

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

Send comments (with copy to psa@ansi.org) to: Online Comment Database at <http://www.ashrae.org/standards-research-technology/public-review-drafts>

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B18.13-201x, Screw and Washer Assemblies - SEMS (Inch Series) (revision of ANSI/ASME B18.13-1996 (R2013))

This Standard covers general and dimensional data pertinent to the various types of screw and captive washer assemblies, otherwise known as SEMS. SEMS products may include screws, tapping screws, or bolts in sizes #0 through ½-inch diameters in various grades and materials. The word SEMS is recognized in the United States as a generic term applicable to screw and washer assemblies. Also included in this Standard are appendices to illustrate the relative proportions of plain and conical washer SEMS.

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

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

EOS/ESD (ESD Association, Inc.)

Revision

BSR/ESD STM5.5.1-201x, ESD Association Standard Test Method for Electrostatic Discharge (ESD) Sensitivity Testing - Transmission Line Pulse (TLP) - Device Level (revision, redesignation and consolidation of ANSI/ESD STM5.5.1-2014, ANSI/ESD SP5.5.2-2007)

The scope and focus of this document pertains to TLP testing techniques of semiconductor components. The focus of the document is on quasi-static application of TLP testing techniques; however, the techniques can also be applied to study transient behavior of semiconductor components.

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

Send comments (with copy to psa@ansi.org) to: Christina Earl, (315) 339-6937, cearl@esda.org

IESNA (Illuminating Engineering Society of North America)

Revision

BSR/IES LM-80-15 Errata-201x, IES Approved Method: Measuring Luminous Flux and Color Maintenance of LED Packages, Arrays and Modules (revision of ANSI/IES LM-80-2015)

Errata for ANSI/IES LM-80-15 changes to Section 6.1 DUT Photometric and Electrical Measurements.

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

Send comments (with copy to psa@ansi.org) to: Patricia McGillicuddy, (212) 248-5000, pmcgillicuddy@ies.org

MHI (Material Handling Industry)

Revision

BSR MH27.2-201X, Enclosed Track Underhung Cranes and Monorail Systems (revision of ANSI MH27.2-2003 (R2009))

This standard applies to underhung cranes whose end trucks operate on the internal flange of a runway using enclosed track section; and to trolleys (carriers) operating on single-track monorail systems, including all curves, switches, transfer devices, lift and drop sections, and associated equipment.

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

Send comments (with copy to psa@ansi.org) to: Patrick Davison, (704) 714-8755, pdavison@mhi.org

NSF (NSF International)

Revision

BSR/NSF 49-201x (i73Ar4), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014)

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: Allan Rose, (734) 827-3817, arose@nsf.org

NSF (NSF International)

Revision

BSR/NSF 50-201x (i119r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016)

This Standard covers materials, components, products, equipment and systems, related to public and residential recreational water facility operation.

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

Send comments (with copy to psa@ansi.org) to: Lauren Panoff, (734) 769-5197, lpanoff@nsf.org

NSF (NSF International)

Revision

BSR/NSF 169-201x (i7r2), Special Purpose Food Equipment and Devices (revision of ANSI/NSF 169-2012)

Equipment covered by this Standard includes, but is not limited to, specialty equipment items or devices that have special, complex, or multiple functions such as refrigeration heating equipment, and refrigerated tumblers equipment. These are applicable provisions and additional specific requirements or exceptions as might be needed for proper evaluation of devices or equipment for which individual standards do not exist.

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

Send comments (with copy to psa@ansi.org) to: Allan Rose, (734) 827-3817, arose@nsf.org

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

BSR/UL 507-201x, Standard for Safety for Electric Fans (Proposal dated 11/11/16) (revision of ANSI/UL 507-2016)

The following changes in requirements to the Standard for Electric Fans, UL 507, are being proposed: (1) Impeller accessibility of fans intended for connection to duct systems; (2) Addition of the allowance for downdraft rangehood conduit whip wiring; (3) Additional topic regarding the allowance of change-in-resistance method for temperature measurement in 36.1.3.

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

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

Comment Deadline: December 26, 2016**AAMI (Association for the Advancement of Medical Instrumentation)****New National Adoption**

BSR/AAMI/ISO 18190-201x, Anaesthetic and respiratory equipment - General requirements for airways and related equipment (identical national adoption of ISO 18190:2016)

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

Single copy price: Free

Obtain an electronic copy from: <https://standards.aami.org/kws/public/documents?view=>

Order from: <https://standards.aami.org/kws/public/documents?view=>

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

AAMI (Association for the Advancement of Medical Instrumentation)**New National Adoption**

BSR/AAMI/ISO 18562-1-201x, Biocompatibility evaluation of breathing gas pathways in healthcare applications - Part 1: Evaluation and testing within a risk management process (identical national adoption of ISO 18562)

This document specifies:

- the general principles governing the biological evaluation within a risk management process of the gas pathways of a medical device, its parts or accessories, which are intended to provide respiratory care or supply substances via the respiratory tract to a patient in all environments;
- the general categorization of gas pathways based on the nature and duration of their contact with the gas stream;
- the evaluation of existing relevant data from all sources; and
- the identification of gaps in the available data set on the basis of a risk analysis.

Single copy price: Free

Obtain an electronic copy from: <https://standards.aami.org/kws/public/documents?view=>

Order from: <https://standards.aami.org/kws/public/documents?view=>

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

AAMI (Association for the Advancement of Medical Instrumentation)**New National Adoption**

BSR/AAMI/ISO 18562-2-201x, Biocompatibility evaluation of breathing gas pathways in healthcare applications - Part 2: Tests for emissions of particulate matter (identical national adoption of ISO/FDIS 18562-2)

This document specifies tests for the emissions of particulate matter from the gas pathways of a medical device, its parts or accessories, which are intended to provide respiratory care or supply substances via the respiratory tract to a patient in all environments. The tests of this document are intended to quantify particles from 0.2 µm diameter to 10 µm diameter that are emitted by the medical device, its parts or accessories into the respirable gas stream. This document establishes acceptance criteria for these tests. This document does not address nanoparticles. Insufficient data exist to establish exposure limits for particles less than 0.2 µm in diameter.

Single copy price: Free

Obtain an electronic copy from: <https://standards.aami.org/kws/public/documents?view=>

Order from: <https://standards.aami.org/kws/public/documents?view=>

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

AAMI (Association for the Advancement of Medical Instrumentation)**New National Adoption**

BSR/AAMI/ISO 18562-3-201x, Biocompatibility evaluation of breathing gas pathways in healthcare applications - Part 3: Tests for emissions of volatile organic compounds (VOCs) (identical national adoption of ISO/FDIS 18562-3)

This document specifies tests for the emissions of volatile organic compounds (VOCs) from the gas pathways of a medical device, its parts or accessories, which are intended to provide respiratory care or supply substances via the respiratory tract to a patient in all environments. The tests of this document are intended to quantify emissions of VOCs that are added to the respirable gas stream by the materials of the gas pathway. This document establishes acceptance criteria for these tests.

Single copy price: Free

Obtain an electronic copy from: <https://standards.aami.org/kws/public/documents?view=>

Order from: <https://standards.aami.org/kws/public/documents?view=>

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

AAMI (Association for the Advancement of Medical Instrumentation)**New National Adoption**

BSR/AAMI/ISO 18562-4-201x, Biocompatibility evaluation of breathing gas pathways in healthcare applications - Part 4: Tests for leachables in condensate (identical national adoption of ISO/FDIS 18562-4)

This document specifies tests for substances leached by liquid water condensing into gas pathways of a medical device, its parts or accessories, which are intended to provide respiratory care or supply substances via the respiratory tract to a patient in all environments. The tests of this document are intended to quantify hazardous water-soluble substances that are leached from the medical device, its parts or accessories by condensate and then conveyed by that liquid to the patient. This document establishes acceptance criteria for these tests.

Single copy price: Free

Obtain an electronic copy from: <https://standards.aami.org/kws/public/documents?view=>

Order from: <https://standards.aami.org/kws/public/documents?view=>

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

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoption

BSR/AAMI/ISO 80601-2-12:201x, Medical electrical equipment - Part 2-12: Particular requirements for basic safety and essential performance of critical care ventilators (identical national adoption of ISO 80601-2-12:2011)

Applies to the basic safety and essential performance of a ventilator in combination with its accessories.

Single copy price: Free

Obtain an electronic copy from: <https://standards.aami.org/kws/public/documents?view=>

Order from: <https://standards.aami.org/kws/public/documents?view=>

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

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoption

BSR/AAMI/ISO 80601-2-61:201x, Medical electrical equipment - Part 2-61: Particular requirements for basic safety and essential performance of pulse oximeter equipment (identical national adoption of ISO 80601-2-61:2011)

Applies to the basic safety and essential performance of pulse oximeter equipment intended for use on humans, referred to in this standard as ME equipment. This includes any part necessary for normal use, including the pulse oximeter monitor, pulse oximeter probe, and probe cable extender.

Single copy price: Free

Obtain an electronic copy from: <https://standards.aami.org/kws/public/documents?view=>

Order from: <https://standards.aami.org/kws/public/documents?view=>

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

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoption

BSR/AAMI/ISO 80601-2-72:201x, Medical electrical equipment - Part 2-72: Particular requirements for basic safety and essential performance of home healthcare environment ventilators for ventilator-dependent patients (identical national adoption of ISO 80601-2-72:2015)

Applies to the basic safety and essential performance of a ventilator in combination with its accessories: intended for use in the home healthcare environment; intended for use by a lay operator; intended for use with patients who are dependent on mechanical ventilation for their life support.

Single copy price: Free

Obtain an electronic copy from: <https://standards.aami.org/kws/public/documents?view=>

Order from: <https://standards.aami.org/kws/public/documents?view=>

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

AAMI (Association for the Advancement of Medical Instrumentation)

New Standard

BSR/AAMI RT2-201x, Radiation therapy readiness check (new standard)

This standard defines specific patient safety features that can be made available in compliant radiotherapy equipment, if and as applicable to that equipment. It provides a mechanism by which manufacturers can provide information to operators, responsible organizations, and regulators, detailing how the specific features of the products that they offer comply with this standard, or to provide rationale as to why a specific provision might not apply to a particular product.

Single copy price: Free

Obtain an electronic copy from: https://standards.aami.org/kws/public/document?document_id=10312&wg_abbrev=PUBLIC_REV

Order from: https://standards.aami.org/kws/public/document?document_id=10312&wg_abbrev=PUBLIC_REV

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

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

BSR/AAMI BP22-1994 (R201x), Blood pressure transducers (reaffirmation of ANSI/AAMI BP22-1994 (R2011))

This standard provides performance and safety requirements for transducers, including cables, designed for blood pressure measurements through an indwelling catheter or direct puncture, and also provides disclosure requirements to permit the user to determine the compatibility between the transducer and blood pressure monitor. This standard is a combined revision of two American National Standards (ANSI/AAMI BP22-1986 and ANSI/AAMI BP23-1986).

Single copy price: \$112.00 (list price)/\$67.00 (AAMI members)

Obtain an electronic copy from: <http://my.aami.org/store/detail.aspx?id=BP22-PDF>

Order from: www.aami.org

Send comments (with copy to psa@ansi.org) to: Hae Choe, (703) 253-8268, HChoe@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

BSR/AAMI/IEC 60601-2-25-2011 (R201x), Medical electrical equipment - Part 2-25: Particular requirements for the basic safety and essential performance of electrocardiographs (reaffirmation of ANSI/AAMI/IEC 60601-2-25-2011)

Specifies basic safety and essential performance requirements for electrocardiographs for the production of ECG reports for diagnostic purposes. This particular standard does not include the part of electrocardiographs that provides vector loops, ambulatory electrocardiographic equipment covered by IEC 60601-2-47, and cardiac monitors covered by IEC 60601-2-27.

Single copy price: \$292.00 (list price)/\$175.00 (AAMI members)

Obtain an electronic copy from: <http://my.aami.org/store/detail.aspx?id=601225-PDF>

Order from: www.aami.org

Send comments (with copy to psa@ansi.org) to: Hae Choe, (703) 253-8268, HChoe@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

BSR/AAMI/IEC 60601-2-27-2011 (R201x), Medical electrical equipment - Part 2-27: Particular requirements for the basic safety and essential performance of electrocardiographic monitoring equipment (reaffirmation of ANSI/AAMI/IEC 60601-2-27-2011)

Specifies basic safety requirements and essential performance for electrocardiographic (ECG) monitoring equipment. It is applicable to ECG monitoring equipment used in a hospital environment. If it is used outside the hospital environment, such as in ambulances and air transport, the ECG monitoring equipment shall comply with this standard. This standard is not applicable to electrocardiographic monitors for home use and ECG telemetry systems. However, manufacturers should consider using relevant clauses of this standard as appropriate for their intended use/intended purpose.

Single copy price: \$209.00 (list price)/\$125.00 (AAMI members)

Obtain an electronic copy from: <http://my.aami.org/store/detail.aspx?id=601227-PDF>

Order from: www.aami.org

Send comments (with copy to psa@ansi.org) to: Hae Choe, (703) 253-8268, HChoe@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

BSR/AAMI/IEC 60601-2-47-2012 (R201x), Medical electrical equipment - Part 2-47: Particular requirements for the basic safety and essential performance of ambulatory electrocardiographic systems (reaffirmation of ANSI/AAMI/IEC 60601-2-47-2012)

Specifies the basic safety and essential performance of ambulatory electrocardiographic (ECG) systems. Within the scope of this standard are systems of the following types: (a) systems that provide continuous recording and continuous analysis of the ECG allowing full re-analysis giving essentially similar results. The systems may first record and store the ECG and analyze it later on a separate unit, or record and analyze the ECG simultaneously. The type of storage media used is irrelevant with regard to this standard; (b) systems that provide continuous analysis and only partial or limited recording not allowing a full re-analysis of the ECG.

Single copy price: \$209.00 (list price)/\$125.00 (AAMI members)

Obtain an electronic copy from: <http://my.aami.org/store/detail.aspx?id=601247-PDF>

Order from: www.aami.org

Send comments (with copy to psa@ansi.org) to: Hae Choe, (703) 253-8268, HChoe@aami.org

ASABE (American Society of Agricultural and Biological Engineers)

Revision

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

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

Single copy price: \$58.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

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

Revision

BSR/ASHRAE Standard 171-201x, Method of Testing for Rating Seismic and Wind Restraints (revision of ANSI/ASHRAE Standard 171-2008)

This revision of Standard 171-2008 is a complete overhaul of the original standard, published in 2008, replacing a static push/pull test method with a cyclical, low-frequency test method and establishing a rating methodology for use with building codes. Restraint capacities determined using the previous version are no longer considered valid.

Single copy price: \$35.00

Obtain an electronic copy from: <http://www.ashrae.org/standards-research-technology/public-review-drafts>

Order from: standards.section@ashrae.org

Send comments (with copy to psa@ansi.org) to: <http://www.ashrae.org/standards-research-technology/public-review-drafts>

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B30.13-201x, Storage/Retrieval (S/R) Machines and Associated Equipment (revision of ANSI/ASME B30.13-2011)

ASME B30.13 applies to storage/retrieval (S/R) machines and associated equipment, such as aisle transfer cars and aisle equipment (as defined in para. 13-0.2.1), and interfaces with other material handling equipment covered under other standards. The provisions of this Volume applying to S/R machines shall apply equally to the construction, installation, inspection, testing, maintenance, and operation of aisle transfer cars and any load-handling equipment that is part of or attached to S/R machines or aisle transfer cars.

Single copy price: Free

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

Order from: Mayra Santiago, (212) 591-8521, ansibox@asme.org

Send comments (with copy to psa@ansi.org) to: Kathryn Hyam, (212) 591-8521, hyamk@asme.org

AWWA (American Water Works Association)

Revision

BSR/AWWA C604-201x, Installation of Buried Steel Water Pipe - 4 In. (100 mm) and Larger (revision of ANSI/AWWA C604-2011)

This standard provides the field installation guidelines for buried steel water pipe, 4 in. (100 mm) and larger.

Single copy price: \$20.00

Obtain an electronic copy from: vdauid@awwa.org

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

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

ECIA (Electronic Components Industry Association)**New Standard**

BSR/EIA 973-201x, Specification for M12 Hybrid (Data and Power) Circular Connector (new standard)

This specification contains the connector types specified for M12 hybrid (data and power) circular connectors, typically use for automation applications and data/communications in industrial premises.

Single copy price: \$88.00

Obtain an electronic copy from: [www.http://global.ihs.com/](http://global.ihs.com/)

Order from: [www.http://global.ihs.com/](http://global.ihs.com/)

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

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

BSR/EIA 364-25E-201x, Probe Damage Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-25D-2010)

This standard establishes a test method to be followed for probe damage testing; intended primarily for round socket contacts in electrical connectors and possibly applicable to other type contacts as well. This test is to simulate a form of field abuse of contacts during test by inserting probes into socket contacts. The purpose of this test is as follows:

- to simulate probing of socket contacts while installed in the connector for non-removable contacts and for removable contacts while outside of the connector housing; and
- to verify performance characteristics of the socket contacts have not been adversely impacted as may be specified in the referencing document.

Single copy price: \$78.00

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

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

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

GBI (Green Building Initiative)**Revision**

BSR/GBI 01-201x, Green Building Assessment Protocol for Commercial Buildings (revision of ANSI/GBI 01-2010)

The Standard includes criteria and practices for environmentally preferable design and construction of commercial buildings. Six green building assessment areas are included: Project Management, Site, Energy, Water, Materials, and Indoor Environment. The only text available for public comment are the limited revisions which are denoted with strikethrough and underline.

Single copy price: \$25.00

Obtain an electronic copy from: http://www.thegbi.org/content/misc/BSR-GBI-01-201X_10-27-16_Final_Draft1.pdf

Order from: Maria Woodbury, (207) 807-8666, comment@thegbi.org

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

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

BSR/HL7 V3 DAM DIETORD, R2-201x, HL7 Version 3 Domain Analysis Model: Diet and Nutrition Orders, Release 2 (new standard)

These conceptual models are required to form the foundation for Version 3 diet and nutritional supplement orders that are an important part of the medical nutrition therapy.

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

Obtain an electronic copy from: Karenvan@HL7.org

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

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

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

BSR/HL7 V3 PASSAC, R1-201x, HL7 Version 3 Standard: Privacy, Access and Security Services (PASS) Access Control, Release 1 (new standard)

The document provides PASS Access Control artifacts associated with the conceptual level of the Services Aware Enterprise Architecture Framework. A significant portion of the Information Viewpoint uses the Security Domain Analysis project work balloting concomitant to this document. The document includes an Access Control Service Functional Model as well as supporting policy provisioning information and functionality.

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

Obtain an electronic copy from: Karenvan@HL7.org

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

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

IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)**New Standard**

BSR C63.27-201x, Draft Standard for Evaluation of Wireless Coexistence (new standard)

This standard specifies methods for assessing the radio-frequency (RF) wireless coexistence of equipment that incorporates RF communications. This standard specifies key performance indicators (KPI) that can be used to assess the ability of the equipment under test (EUT) to coexist with other equipment in its intended operational environment.

Single copy price: \$NA

Order from: Susan Vogel, 732-562-3817, s.vogel@ieee.org

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

IESNA (Illuminating Engineering Society of North America)**Reaffirmation**

BSR/IESNA LM-73-2004 (R201x), IES Guide for Photometric Testing of Entertainment Lighting Luminaires (reaffirmation of ANSI/IESNA LM-73-2004 (R2009))

A standard procedure by which entertainment lighting luminaires, specifically designed for use in the theater, TV environment, film studios, or on-location shoots, can be photometrically measured.

Single copy price: \$15.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

Order from: Patricia McGillicuddy, (212) 248-5000, pmcgillicuddy@ies.org

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

ISA (International Society of Automation)***New Standard***

BSR/ISA 96.08.01-201x, Guidelines for the Specification of Linear and Rotary Gas Over Oil Valve Actuators (new standard)

This standard provides basic requirements for mechanical integrity, selection and sizing of gas over oil actuators, both rotary and linear, provided in double and single acting designs. Actuators for rotary applications may include scotch yoke type, rotary vane type, or helical spline in on/off or modulating services. For linear applications, actuators shall be of the linear hydraulic design. This document applies to actuators with a maximum allowable operating pressure from 150 psig to 2250 psig using direct piped natural or sour gas segregated from the actuator by means of gas over oil tanks.

Single copy price: \$50.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

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

BSR C136.19-201x, High-Pressure Sodium and Retrofit High-Pressure Sodium Lamps for Mercury Ballasts - Guide for Selection (revision of ANSI C136.19-2010)

This standard covers the selection of high-pressure sodium lamps recommended for use in roadway and area lighting equipment.

Single copy price: \$40.00

Obtain an electronic copy from: Karen.Willis@nema.org

Order from: Karen Willis, (703) 841-3277, Karen.Willis@nema.org

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

NEMA (ASC C136) (National Electrical Manufacturers Association)***Stabilized Maintenance***

BSR C136.17-1995 (S201x), Standard for Roadway and Area Lighting Equipment - Enclosed Side-Mounted Luminaires for Horizontal-Burning High-Intensity Discharge Lamps - Mechanical Interchangeability of Refractors (stabilized maintenance of ANSI C136.17-1995 (R2010))

This standard covers the dimensional features and the materials of refractors of the approximate shape shown in Figures 1 through 3 of this standard, and as described in ANSI C136.14, American National Standard for Roadway and Area Lighting Equipment - Enclosed Side-mounted Luminaires for Horizontal-burning High-intensity Discharge Lamps.

Single copy price: \$52.00 USD

Obtain an electronic copy from: Karen.Willis@nema.org

Order from: Karen Willis, (703) 841-3277, Karen.Willis@nema.org

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

NEMA (ASC C136) (National Electrical Manufacturers Association)***Stabilized Maintenance***

BSR C136.28-2006 (S201x), Standard for Roadway and Area Lighting Equipment - Glass Lenses Used in Luminaires (stabilized maintenance of ANSI C136.28-2006 (R2011))

This standard covers flat and molded glass of soda-lime and borosilicate materials used as lenses for roadway and area lighting luminaires. This standard includes definitions, criteria, and test methods for mechanical and impact strength, thermal shock resistance, and temper for both materials.

Single copy price: \$52.00 USD

Obtain an electronic copy from: karen.willis@nema.org

Order from: Karen Willis, (703) 841-3277, Karen.Willis@nema.org

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

PMI (Project Management Institute)***Revision***

BSR/PMI 99-001-201x, The Standard for Project Management (revision of ANSI/PMI 99-001-2013)

The Standard for Project Management - Sixth Edition is a basic reference, the global standard for the project management profession and identifies and describes the subset of the project management body of knowledge that is recognized as good practice. A cover-to-cover revision incorporating continuous improvement and addressing needed modifications, and the relocation of substantial portions of the text into guidance/informational sections has occurred.

Single copy price: Free

Obtain an electronic copy from: lorna.scheel@pmi.org

Order from: Lorna Scheel, (313) 404-3507, lorna.scheel@pmi.org

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

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

BSR/SCTE 24-1-201x, IPCablecom 1.0 Part 1: Architecture Framework for the Delivery of Time-Critical Services over Cable Television Networks Using Cable Modems (revision of ANSI/SCTE 24-1-2009)

This document provides the architectural framework that will enable cable television operators to provide time-critical services over their networks that have been enhanced to support cable modems.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

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

BSR/SCTE 24-2-201x, IPCablecom 1.0 Part 2: Audio Codec Requirements for the Provision of Bi-directional Audio Service over Cable Television Networks Using Cable Modems (revision of ANSI/SCTE 24-2-2009)

The quality of audio delivered over the IPCablecom architecture will depend on multiple factors: the end device performance, the network's inherent quality, and the intelligence of the system resource allocation policy. This document defines mandated codecs and capabilities supporting audio and video applications, with a particular emphasis on the stringent requirements of IP-based voice communications.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

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

BSR/SCTE 24-3-201x, IPCablecom 1.0 Part 3: Network Call Signaling Protocol for the Delivery of Time-Critical Services over Cable Television Using Data Modems (revision of ANSI/SCTE 24-3-2009)

This specification describes a profile of the Media Gateway Control Protocol (MGCP) for IPCablecom embedded clients, which we will refer to as the IPCablecom Network-based Call Signaling (NCS) protocol. MGCP is a call-signaling protocol for use in a centralized call control architecture, and assumes relatively simple client devices.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

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

BSR/SCTE 24-4-201x, IPCablecom 1.0 Part 4: Dynamic Quality of Service for the Provision of Real-Time Services over Cable Television Networks Using Data Modems (revision of ANSI/SCTE 24-4-2009)

This document addresses requirements for a client device to obtain access to IPCablecom network resources. In particular, it specifies a comprehensive mechanism for a client device to request a specific Quality of Service from the DOCSIS® network. Extensive examples illustrate the use of the specification.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

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

BSR/SCTE 24-5-201x, IPCablecom 1.0 Part 5: Media Terminal Adapter (MTA) Device Provisioning Requirements for the Delivery of Real-Time Services over Cable Television Using Cable Modems (revision of ANSI/SCTE 24-5-2009)

The scope of this document is limited to the provisioning of an IPCablecom 1.0 embedded-MTA device by a single provisioning and network management provider. An attempt has been made to provide enough detail to enable vendors to build an embedded-MTA device that is interoperable in an IPCablecom 1.0 network configuration. This document defines the provisioning of MTA components of the embedded MTA device (unless stated otherwise).

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

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

BSR/SCTE 24-6-201x, IPCablecom 1.0 Part 6: Management Information Base (MIB) Framework (revision of ANSI/SCTE 24-6-2009)

This standard describes the framework in which IPCablecom MIB (Management Information Base) modules are described. It provides information on the management requirements of IPCablecom compliant devices and functions and how these requirements are supported in the MIB modules. It is intended to support and complement the actual MIB module documents, which are issued separately.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

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

BSR/SCTE 24-7-201x, IPCablecom 1.0 Part 7: Media Terminal Adapter (MTA) Management Information Base (MIB) Requirements (revision of ANSI/SCTE 24-7-2009)

This standard describes the IPCablecom 1.0 MTA MIB requirement.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

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

BSR/SCTE 24-8-201x, IPCablecom 1.0 Part 8: Signaling Management Information Base (MIB) Requirements (revision of ANSI/SCTE 24-8-2009)

This specification describes the IPCablecom Signaling (SIG) MIB requirements.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

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

BSR/SCTE 24-9-201x, IPCablecom 1.0 Part 9: Event Message Requirements (revision of ANSI/SCTE 24-9-2009)

IPCablecom identifies and defines specifications for delivery of enhanced communications services using packetized data transmission technology over the cable television hybrid fiber coax (HFC) data network running the DOCSIS® protocol. IPCablecom specifies a network superstructure that overlays the two-way data-ready broadband cable access network.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

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

BSR/SCTE 24-10-201x, IPCablecom 1.0 Part 10: Security Specification (revision of ANSI/SCTE 24-10-2009)

The scope of this document is to define the IPCablecom Security architecture, protocols, algorithms, associated functional requirements and any technological requirements that can provide for the security of the system for the IPCablecom network. Authentication, access control, signaling and media content integrity, confidentiality, and non-repudiation security services must be provided as defined in this standard for each of the network element interfaces.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

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

BSR/SCTE 24-11-201x, IPCablecom 1.0 Part 11: Internet Signaling Transport Protocol (ISTP) (revision of ANSI/SCTE 24-11-2009)

This document addresses the protocol to implement SS7 signaling interconnection in a distributed IPCablecom PSTN Gateway architecture. Specifically, it defines the messages and procedures for transporting SS7 ISUP, TCAP, and TUP messages between the IPCablecom control functions (Media Gateway Controller and Call Management Server) and the SS7 Signaling Gateway.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

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

BSR/SCTE 24-12-201x, IPCablecom 1.0 Part 12: Trunking Gateway Control Protocol (TGCP) (revision of ANSI/SCTE 24-12-2009)

This document describes the TGCP profile of an application programming interface (MGCI) and a corresponding protocol (MGCP) for controlling trunking gateways from external call control elements. A trunking gateway is a network element that provides analog, emulated analog, or digital bearer and channel-associated signaling trunk circuit access to a voice-over-IP (VoIP) network.

Single copy price: \$50.00

Obtain an electronic copy from: standards@scte.org

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

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

TIA (Telecommunications Industry Association)**Reaffirmation**

BSR/TIA 968-B-1-2012 (R201x), Telephone Terminal Equipment - Technical Requirements for Connection of Terminal Equipment to the Telephone Network - Addendum 1 (reaffirmation of ANSI/TIA 968-B-1-2012)

Revisions to TIA-968-B to update references to TSB-31-D and TSB-129-B. Revisions to TIA-968-B to correct the titles of two figures. Revisions to TIA -968-B to correct several VDSL2 tables and figures.

Single copy price: \$65.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

TIA (Telecommunications Industry Association)**Reaffirmation**

BSR/TIA 4965-2012 (R201x), Telecommunications - Telephone Terminal Equipment - Receive Volume Control Requirements for Digital and Analog Wireline Terminals (reaffirmation of ANSI/TIA 4965-2012)

This standard establishes receive volume control requirements and testing methods for narrowband digital, wideband digital, and analog wireline terminals. Currently, volume control requirements for these types of terminals are included in different standards documents, each with their own revision cycle. Government agencies currently reference outdated revisions of these multiple standards documents for their volume control regulations. Combining the volume control requirements into one standard that can be referenced by these government agencies will help ensure that their requirements are harmonized and up to date.

Single copy price: \$88.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

TIA (Telecommunications Industry Association)**Revision**

BSR/TIA 102.BAAA-B-201x, FDMA - Common Air Interface (revision and redesignation of ANSI/TIA 102.BAAA-A-2003 (R2013))

The FDMA Common Air Interface ensures that subscriber unit equipment interoperates at the Physical Layer and Data Link Layer with subscriber unit equipment from different manufacturers, and with radio systems for different agencies. This allows effective and reliable intra-agency and inter-agency communications in an all-digital mode for voice and data.

Single copy price: \$200.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

TIA (Telecommunications Industry Association)**Revision**

BSR/TIA 102.BAAC-D-201x, Common Air Interface Reserved Values (revision and redesignation of ANSI/TIA 102.BAAC-C-2011)

This document is a supplement to the TIA-102.BAAA Common Air Interface (CAI) and describes the CAI Reserved Values that may be utilized by communications equipment conforming to TIA-102 Land Mobile Radio (LMR) standards.

Single copy price: \$73.00

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 60034-2-1-201X, Standard for Rotating electrical machines - Part 2 -1: Standard methods for determining losses and efficiency from tests (excluding machines for traction vehicles) (Proposal dated 11-11-16) (identical national adoption of IEC 60034-2-1)

UL proposes the identical adoption of IEC 60034-2-1: 2014 (2nd Edition), the Standard for Rotating electrical machines - Part 2-1: Standard methods for determining losses and efficiency from tests (excluding machines for traction vehicles), as UL 60034-2-1. This part of IEC 60034 is intended to establish methods of determining efficiencies from tests, and also to specify methods of obtaining specific losses. This standard applies to d.c. machines and to a. c. synchronous and induction machines of all sizes within the scope of IEC 60034-1.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

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

BSR/UL 61800-5-1-201x, Standard for Safety for Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal and Energy (national adoption of IEC 61800-5-1 with modifications and revision of ANSI/UL 61800-5-1-2015)

This covers the addition of requirements for modular drive systems.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

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

BSR/UL 325-201x, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2016)

(1) Clarifications to improve the uniform implementation and interpretation of the standard; (2) Instructions for cord/cable type for connection of accessories; (3) Unattended visual alarm flash rate; (4) Clarification of temperature for Resistance to Impact Test for external entrapment protection device; (5) Revision to Resistance to Impact Test for external entrapment protection device; (6) Clarification of gate operator placement on outswing gates; (7) Editorial changes.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

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

BSR/UL 508C-201x, Standard for Safety for Power Conversion Equipment (revision of ANSI/UL 508C-2016)

This covers the addition of requirements for modular drive systems.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

Comment Deadline: January 10, 2017**ASME (American Society of Mechanical Engineers)****Reaffirmation**

BSR/ASME A112.18.9-2011 (R201x), Protectors/Insulators for Exposed Waste and Supplies on Accessible Fixtures (reaffirmation of ANSI/ASME A112.18.9-2011)

This Standard shall show material and performance specifications and use of protectors/insulators for exposed waste and supplies for public/commercial and private/residential buildings using products covered under this Standard.

Single copy price: \$32.00

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

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

Technical Reports Registered with ANSI

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

AAMI (Association for the Advancement of Medical Instrumentation)

AAMI/ISO TIR 17665-3:2014 (R2016), Sterilization of health care products - Moist heat - Guidance on the designation of a medical product to a product family and processing category for steam sterilization (Technical Report) (technical report)

This part of ISO 17665 provides guidance about the attributes of a medical device to be considered by the user when assigning a medical device to a product family for the purpose of identifying and aligning it to a processing category for a specific moist heat sterilization process.

NOTE - While this part of ISO 17665 is applicable to health care facilities, it may be used by a manufacturer of a sterile medical device whenever information on reprocessing is required (see ISO 17664).

Single copy price: \$130.00

Order from: www.aami.org

Send comments (with copy to psa@ansi.org) to: Amanda Benedict, (703) 253-8284, abenedict@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

AAMI/ISO TIR 22442-4-2011 (R2016), Medical devices utilizing animal tissues and their derivatives - Part 4: Principles for elimination and/or inactivation of transmissible spongiform encephalopathy (TSE) agents and validation assays for those processes (TECHNICAL REPORT) (technical report)

This Technical Report offers suggestions for designing and conducting validation assays to help determine if processes used in the manufacture of medical devices derived from non-viable animal tissues might serve to reduce the risk of iatrogenic transmission of transmissible spongiform encephalopathies (TSEs).

The TSE-removal methods used to process animal tissues should also reduce the risk of transmitting TSE infections via non-viable tissues of human origin; this Technical Report does not address this issue. Some current information on human tissues and TSEs is presented, which may be applied by analogy to other animal tissues.

This Technical Report does not intend to imply a need for validation of methods involving specific materials identified as having a "negligible risk" of contamination with TSE agents as listed in Annex C of ISO 22442-1:2007.

This Technical Report is intended to clarify final draft international standards included in the ISO 22442 series, as well as in ISO 14160.

This Technical Report builds upon the specific discussion in ISO 22442-3 relative to TSE agents and attempts to summarize the current state of the art in the arena of TSE agent elimination. As the understanding of inactivation and elimination of TSE agents evolves, this document will be revised when possible.

Single copy price: \$98.00

Order from: www.aami.org

Send comments (with copy to psa@ansi.org) to: Amanda Benedict, (703) 253-8284, abenedict@aami.org

Projects Withdrawn from Consideration

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

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

BSR INCITS PN-2236-D-201x, Information technology - Energy Efficient Fibre Channel Specification (new standard)

Inquiries may be directed to Lynn Barra, (202) 626-5739, comments@itic.org

Correction

Call for Comment Notice Withdrawn

BSR/SI-0001-201x

The Call-for-Comment notice for BSR/SI-0001-201x, Safe Use of Cleaning Chemicals (new standard), announced in Standards Action, October 28, 2016, was published in error and is hereby withdrawn.

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: *Hae Choe*

Phone: (703) 253-8268

Fax: (703) 276-0793

E-mail: HChoe@aami.org; customerservice@aami.org

BSR/AAMI BP22-1994 (R201x), Blood pressure transducers
(reaffirmation of ANSI/AAMI BP22-1994 (R2011))

BSR/AAMI RT2-201x, Radiation therapy readiness check (new
standard)

BSR/AAMI/IEC 60601-2-25-2011 (R201x), Medical electrical equipment
- Part 2-25: Particular requirements for the basic safety and essential
performance of electrocardiographs (reaffirmation of ANSI/AAMI/IEC
60601-2-25-2011)

BSR/AAMI/IEC 60601-2-27-2011 (R201x), Medical electrical equipment
- Part 2-27: Particular requirements for the basic safety and essential
performance of electrocardiographic monitoring equipment
(reaffirmation of ANSI/AAMI/IEC 60601-2-27-2011)

BSR/AAMI/IEC 60601-2-47-2012 (R201x), Medical electrical equipment
- Part 2-47: Particular requirements for the basic safety and essential
performance of ambulatory electrocardiographic systems
(reaffirmation of ANSI/AAMI/IEC 60601-2-47-2012)

AMCA (Air Movement and Control Association)

Office: 30 West University Drive
Arlington Heights, IL 60004-1893

Contact: *Erin Moore*

Phone: (847) 704-6285

E-mail: emoore@amca.org

BSR/AMCA 500-D-201x, Laboratory Methods of Testing Dampers for
Rating (revision of ANSI/AMCA 500-D-2012)

ECIA (Electronic Components Industry Association)

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

Contact: *Laura Donohoe*

Phone: (571) 323-0294

Fax: (571) 323-0245

E-mail: ldonohoe@ecianow.org

BSR/EIA 364-25E-201x, Probe Damage Test Procedure for Electrical
Connectors (revision and redesignation of ANSI/EIA 364-25D-2010)

BSR/EIA 973-201x, Specification for M12 Hybrid (Data and Power)
Circular Connector (new standard)

GBI (Green Building Initiative)

Office: PO Box 80010
Portland, OR 97280

Contact: *Maria Woodbury*

Phone: (207) 807-8666

E-mail: comment@thegbi.org

BSR/GBI 01-201x, Green Building Assessment Protocol for Commercial
Buildings (revision of ANSI/GBI 01-2010)

IESNA (Illuminating Engineering Society of North America)

Office: 120 Wall St. 17th Floor
New York, NY 10005

Contact: *Patricia McGillicuddy*

Phone: (212) 248-5000

E-mail: pmcgillicuddy@ies.org

BSR/IESNA LM-73-2004 (R201x), IES Guide for Photometric Testing of
Entertainment Lighting Luminaires (reaffirmation of ANSI/IESNA LM
-73-2004 (R2009))

ISA (International Society of Automation)

Office: 67 Alexander Drive
Research Triangle Park, NC 27709

Contact: *Eliana Brazda*

Phone: (919) 990-9228

Fax: (919) 549-8288

E-mail: ebrazda@isa.org

BSR/ISA 96.08.01-201x, Guidelines for the Specification of Linear and
Rotary Gas Over Oil Valve Actuators (new standard)

NEMA (ASC C136) (National Electrical Manufacturers Association)

Office: 1300 North 17th Street
Suite 900
Rosslyn, VA 22209

Contact: Karen Willis

Phone: (703) 841-3277

Fax: (703) 841-3378

E-mail: Karen.Willis@nema.org

BSR C136.17-1995 (S201x), Standard for Roadway and Area Lighting Equipment - Enclosed Side-Mounted Luminaires for Horizontal-Burning High-Intensity Discharge Lamps - Mechanical Interchangeability of Refractors (stabilized maintenance of ANSI C136.17-1995 (R2010))

BSR C136.19-201x, High-Pressure Sodium and Retrofit High-Pressure Sodium Lamps for Mercury Ballasts - Guide for Selection (revision of ANSI C136.19-2010)

BSR C136.28-2006 (S201x), Standard for Roadway and Area Lighting Equipment - Glass Lenses Used in Luminaires (stabilized maintenance of ANSI C136.28-2006 (R2011))

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

Office: 1899 Preston White Drive
Reston, VA 20191

Contact: Debra Orf

Phone: (703) 264-7200

Fax: (703) 620-0994

E-mail: dorf@npes.org

BSR IT8.6-201x, Graphic technology - Prepress digital data exchange - Diecutting data (DDES3) (revision of ANSI IT8.6-2002 (R2013))

NSF (NSF International)

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

Contact: Lauren Panoff

Phone: (734) 769-5197

E-mail: lpanoff@nsf.org

BSR/NSF 50-201x (i119r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016)

TIA (Telecommunications Industry Association)

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

Contact: Teesha Jenkins

Phone: (703) 907-7706

Fax: (703) 907-7727

E-mail: standards@tiaonline.org

BSR/TIA 102.BAAA-B-201x, FDMA - Common Air Interface (revision and redesignation of ANSI/TIA 102.BAAA-A-2003 (R2013))

BSR/TIA 102.BAAC-D-201x, Common Air Interface Reserved Values (revision and redesignation of ANSI/TIA 102.BAAC-C-2011)

BSR/TIA 968-B-1-2012 (R201x), Telephone Terminal Equipment - Technical Requirements for Connection of Terminal Equipment to the Telephone Network - Addendum 1 (reaffirmation of ANSI/TIA 968-B-1-2012)

BSR/TIA 4965-2012 (R201x), Telecommunications - Telephone Terminal Equipment - Receive Volume Control Requirements for Digital and Analog Wireline Terminals (reaffirmation of ANSI/TIA 4965-2012)

UL (Underwriters Laboratories, Inc.)

Office: 333 Pfingsten Road
Northbrook, IL 60062-2096

Contact: Amy Walker

Phone: (847) 664-2023

E-mail: Amy.K.Walker@ul.com

BSR/UL 507-201x, Standard for Safety for Electric Fans (Proposal dated 11/11/16) (revision of ANSI/UL 507-2016)

Call for Members (ANS Consensus Bodies)

AAMI

AAMI is currently seeking users (clinicians and/or nurses) to participate on the following technical committees:

- Human factors engineering
- Cardiac Rhythm Managements Devices
- Microbiological Methods
- Implantable infusion pumps
- Implantable neurostimulators
- Multiparameter patient monitoring equipment
- Aseptic processing

If you are interested in joining or getting more information about the work of any of these groups, please contact Jennifer Moyer (jmoyer@aami.org).

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

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

- General Interest
- Government
- Producer
- User

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

Final Actions on American National Standards

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

AAMI (Association for the Advancement of Medical Instrumentation)

Revision

ANSI/AAMI ST55-2016, Table-top steam sterilizers (revision of ANSI/AAMI ST55-2010 (R2014)): 11/1/2016

ANS (American Nuclear Society)

New Standard

ANSI/ANS 18.1-2016, Radioactive Source Term for Normal Operation of Light Water Reactors (new standard): 11/1/2016

Reaffirmation

ANSI/ANS 53.1-2011 (R2016), Nuclear Safety Design Process for Modular Helium-Cooled Reactor Plants (reaffirmation of ANSI/ANS 53.1-2011): 10/31/2016

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

New Standard

ANSI/ASHRAE Standard 184-2016, Method of Test for Field Performance of Liquid-Chilling Systems (new standard): 10/31/2016

Revision

* ANSI/ASHRAE Standard 16-2016, Method of Testing for Rating Room Air Conditioners, Packaged Terminal Air Conditioners and Packaged Terminal Heat Pumps for Cooling and Heating Capacity (revision of ANSI/ASHRAE Standard 16-1983 (R2014)): 10/31/2016

ANSI/ASHRAE Standard 130-2016, Laboratory Methods of Testing Air Terminal Units (revision of ANSI/ASHRAE Standard 130-2008): 10/31/2016

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

New Standard

ANSI ASSE Z359.16-2016, Safety Requirements for Climbing Ladder Fall Arrest Systems (new standard): 11/2/2016

AWWA (American Water Works Association)

Revision

ANSI/AWWA C206-2016, Field Welding of Steel Water Pipe (revision of ANSI/AWWA C206-2011): 11/1/2016

CSA (CSA Group)

Revision

- * ANSI Z21.11.2-2016, Gas-Fired Room Heaters, Volume II, Unvented Room Heaters (revision of ANSI Z21.11.2-2011): 11/7/2016
- * ANSI Z21.11.3-2016, Gas-Fired Room Heaters, Volume III, Propane-Fired Portable Emergency Use Heater Systems (revision of ANSI Z21.11.3-2013): 10/31/2016
- * ANSI Z21.47-2016, Gas-Fired Central Furnaces (same as CSA 2.3) (revision of ANSI Z21.47-2012): 10/28/2016
- * ANSI Z21.50-2016, Vented Decorative Gas Appliances (same as CSA 2.22-201x) (revision of ANSI Z21.50-2014): 10/31/2016

* ANSI Z21.88-2016, Vented Gas Fireplace Heaters (same as CSA 2.33 -201x) (revision of ANSI Z21.88-2014): 11/2/2016

HI (Hydraulic Institute)

Revision

ANSI/HI 9.6.4-2016, Rotodynamic Pumps for Vibration Measurements and Allowable Values (revision of ANSI/HI 9.6.4-2009): 11/7/2016

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

New National Adoption

INCITS/ISO/IEC 7816-4:2013 [2016], Identification cards - Integrated circuit cards - Part 4: Organization, security and commands for interchange (identical national adoption of ISO/IEC 7816-4:2013 and revision of INCITS/ISO/IEC 7816-4:2005 [R2013] and INCITS/ISO/IEC 7816-4:2005/AM1:2008 [2011]): 11/2/2016

INCITS/ISO/IEC 29120-1:2015 [2016], Information technology - Machine readable test data for biometric testing and reporting - Part 1: Test reports (identical national adoption of ISO/IEC 29120-1:2015): 11/2/2016

INCITS/ISO/IEC 29197:2015 [2016], Information technology - Evaluation methodology for environmental influence in biometric system performance (identical national adoption of ISO/IEC 29197:2015): 11/2/2016

Reaffirmation

INCITS 284-2011 [R2016], Information Technology - Identification Cards - Health Care Identification Cards (reaffirmation of INCITS 284-2011): 11/3/2016

INCITS 381-2009/AM 1:2011 [R2016], Information technology - Finger Image Based Data Interchange Format - Amendment 1 (reaffirmation of INCITS 381-2009 AMENDMENT 1-2011): 11/3/2016

INCITS 409.4-2006 [R2016], Information technology - Biometric Performance Testing and Reporting - Part 4: Operational Testing Methodologies (reaffirmation of INCITS 409.4:2006 [R2011]): 11/3/2016

INCITS 409.5-2011 [R2016], Information Technology - Biometric Performance Testing and Reporting - Part 5: Framework for Testing and Evaluation of Biometric System(s) for Access Control (reaffirmation of INCITS 409.5-2011): 11/3/2016

INCITS 473-2011 [R2016], Information Technology - Conformance Testing Methodology Standard for Patron Formats Conforming to INCITS 398 2008 Information Technology - Common Biometric Exchange Formats Framework CBEFF (reaffirmation of INCITS 473-2011): 11/3/2016

INCITS 474-2011 [R2016], Information Technology - Biometric Application Programming Interface - Java (BioAPI Java) (reaffirmation of INCITS 474-2011): 11/3/2016

INCITS/ISO/IEC 11694-4:2008 [R2016], Identification cards - Optical memory cards - Linear recording method - Part 4: Logical data structures (reaffirmation of INCITS/ISO/IEC 11694-4:2008 [2011]): 11/3/2016

INCITS/ISO/IEC 11695-3:2008 [R2016], Identification cards - Optical memory cards - Holographic recording method - Part 3: Optical properties and characteristics (reaffirmation of INCITS/ISO/IEC 11695-3:2008 [2011]): 11/3/2016

INCITS/ISO/IEC 4909:2006 [R2016], Identification cards - Financial transaction cards - Magnetic stripe data content for track 3 (reaffirmation of INCITS/ISO/IEC 4909:2006 [2011]): 11/3/2016

Stabilized Maintenance

INCITS 48-1986/TC 1:1995 [S2016], Information Systems - Magnetic Tape Cassette for Information Interchange (3.81 mm, 01.50 inch) Tape at 32 bpm (800 BPI), Phase Enclosed - Technical Corrigendum 1 (stabilized maintenance of INCITS 48:1986/TC -1:1995 [R2006]): 11/3/2016

INCITS 183-1991 [S2016], Information technology - High-Performance Parallel Interface (HIPPI) - Mechanical, Electrical, and Signalling Protocol Specification (HIPPI-PH) (stabilized maintenance of INCITS 183:1991 [R2011]): 11/3/2016

INCITS 404-2006 [S2016], Information technology - Fibre Channel Physical Interfaces - 2 (FC-PI-2) (stabilized maintenance of INCITS 404:2006 [R2011]): 11/3/2016

INCITS 412-2006 [S2016], Information technology - SNIA Multipath Management API Specification, Version 1.0.1 (stabilized maintenance of INCITS 412:2006 [R2011]): 11/3/2016

INCITS/ISO/IEC 11581-6:1999 [S2016], Information technology - User system interfaces and symbols - Icon symbols and functions - Part 6: Action Icons (stabilized maintenance of INCITS/ISO/IEC 11581-6 -1999 [R2011]): 11/3/2016

INCITS/ISO/IEC 13211-2:2000 [S2016], Information technology - Programming languages - Prolog - Part 2: Modules (stabilized maintenance of INCITS/ISO/IEC 13211-2-2000 [R2011]): 11/2/2016

INCITS/ISO/IEC 18809-2000 [S2016], Information technology - 8 mm wide magnetic tape cartridge for information interchange - Helical scan recording - AIT-1 with MIC Format (stabilized maintenance of INCITS/ISO/IEC 18809-2000 [R2011]): 11/3/2016

INCITS/ISO/IEC 18810-2001 [S2016], Information technology - 8 mm wide magnetic tape cartridge for information interchange - Helical scan recording - AIT-2 with MIC Format (stabilized maintenance of INCITS/ISO/IEC 18810-2001 [R2011]): 11/3/2016

INCITS/ISO/IEC 9293:1994 [S2016], Diskette Labels and File Structure for Information Interchange (stabilized maintenance of INCITS/ISO/IEC 9293-1994 [R2011]): 11/3/2016

INCITS/ISO/IEC 11319:1993 [S2016], Information Technology - 8mm Wide Magnetic Tape Cartridges for Information Interchange - Helical Scan Recording (stabilized maintenance of INCITS/ISO/IEC 11319:1993 [R2008]): 11/3/2016

INCITS/ISO/IEC 11571:1998 [S2016], Information technology - Telecommunications and Information Exchange Between Systems - Private Integrated Services Networks - Addressing (stabilized maintenance of INCITS/ISO/IEC 11571-1998 [R2011]): 11/3/2016

INCITS/ISO/IEC 22051:2002 [S2016], Information technology - Data interchange on 12,7 mm, 448-track magnetic tape cartridges - SDLT1 format (stabilized maintenance of INCITS/ISO/IEC 22051:2002 [R2008]): 11/3/2016

SCTE (Society of Cable Telecommunications Engineers)

Revision

ANSI/SCTE 148-2016, Specifications for Male "F" Terminator, 75 ohm (revision of ANSI/SCTE 148-2008): 11/1/2016

UL (Underwriters Laboratories, Inc.)

New National Adoption

* ANSI/UL 60335-1-2016, Standard for Safety of Household and Similar Electrical Appliances, Part 1: General Requirements (identical national adoption of IEC 60335-1 and revision of ANSI/UL 60335-1 -2011): 10/31/2016

* ANSI/UL 60335-1-2016, Standard for Safety of Household and Similar Electrical Appliances, Part 1: General Requirements (national adoption of IEC 60335-1 with modifications and revision of ANSI/UL 60335-1-2011): 10/31/2016

Reaffirmation

ANSI/UL 493-2012 (R2016), Standard for Safety for Thermoplastic-Insulated Underground Feeder, and Branch-Circuit Cables (Proposal dated 8/26/16) (reaffirmation of ANSI/UL 493-2012): 10/26/2016

ANSI/UL 1413-2012 (R2016), Standard for Safety for High-Voltage Components for Television-Type Appliances (reaffirmation of ANSI/UL 1413-2012): 11/1/2016

ANSI/UL 2255-2012 (R2016), Standard for Safety for Receptacle Closures (reaffirmation of ANSI/UL 2255-2012): 11/1/2016

Revision

* ANSI/UL 484-2016, Standard for Room Air Conditioners (revision of ANSI/UL 484-2015): 10/25/2016

ANSI/UL 555S-2016, Standard for Safety for Smoke Dampers (Proposal dated 08-19-16) (revision of ANSI/UL 555S-2014): 10/27/2016

ANSI/UL 758-2016a, Standard for Safety for Appliance Wiring Material (Proposal dated 6/24/16) (revision of ANSI/UL 758-2016): 10/10/2016

Project Initiation Notification System (PINS)

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

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

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

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BSR/AAMI/ISO 5366-201x, Anaesthetic and respiratory equipment - Tracheostomy tubes and connectors (identical national adoption of ISO 5366:2016 and revision of ANSI/AAMI/ISO 5366-1-2003 (R2014))

ANSI/ISO 5366-3-2009 (R2014))

Stakeholders: Manufacturers, clinicians.

Project Need: Standardization of tracheostomy tubes and connectors.

Specifies requirements for adult and pediatric tracheostomy tubes and connectors. Such tubes are primarily designed for patients who require anesthesia, artificial ventilation or other respiratory support. It is also applicable to specialized tracheostomy tubes that share common attributes, for example, those without a connector at the machine end intended for spontaneously breathing patients and those with reinforced walls or tubes made of metal or tubes with shoulders, tapering tubes, tubes with provision for suctioning or monitoring or delivery of drugs or other gases.

ABYC (American Boat and Yacht Council)

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Suite 10
Annapolis, MD 21403

Contact: Helen Koepper

Fax: (410) 990-4466

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* BSR/ABYC EDU-3-201x, Skills-Based Sail Boat Standard (new standard)

Stakeholders: Consumers, insurance personnel, boat manufacturers, trade organizations, and surveyors.

Project Need: This standard identifies on-water skills necessary to safely operate a sail boat.

This standard is a guide for on-water skills necessary to safely operate a sail boat.

AMCA (Air Movement and Control Association)

Office: 30 West University Drive
Arlington Heights, IL 60004-1893

Contact: Erin Moore

E-mail: emoore@amca.org

* BSR/AMCA 500-D-201x, Laboratory Methods of Testing Dampers for Rating (revision of ANSI/AMCA 500-D-2012)

Stakeholders: Damper manufacturers, building engineers, product consumers, damper testing labs.

Project Need: The purpose of this standard is to establish uniform laboratory test methods for dampers.

This standard may be used as a basis for testing dampers when air is used as the test gas. A test conducted in accordance with the requirements of this standard is intended to demonstrate the performance of a damper and is not intended to determine acceptability level for a damper. It is not within the scope of this standard to indicate the actual sequence of testing. The parties to a test for guarantee purposes may agree to exceptions to this standard in writing prior to the test. However, only a test that does not violate any mandatory requirement of this standard shall be designated as a test conducted in accordance with this standard.

ASME (American Society of Mechanical Engineers)

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New York, NY 10016

Contact: Mayra Santiago

Fax: (212) 591-8501

E-mail: ansibox@asme.org

BSR/ASME B18.6.1-201x, Wood Screws (Inch Series) (revision of ANSI/ASME B18.6.1-1981 (R2016))

Stakeholders: Users and manufacturers.

Project Need: The Standard is being revised to bring it up to date with current business practices. The primary revision includes updates to current head and recess styles.

This standard covers the complete general and dimensional data for the various types of dotted and recessed head wood screws.

BSR/ASME B18.6.2-201x, Slotted Head Cap Screws, Square Head Set Screws, And Slotted Headless Set Screws (Inch Series) (revision of ANSI/ASME B18.6.2-1998 (R2010))

Stakeholders: Users and manufacturers.

Project Need: The Standard is being revised to bring it up to date with current business practices. The primary revision includes the elimination of slotted head cap screws as this is a product that is no longer found in the market.

This Standard covers the complete general and dimensional data for the various styles of slotted head cap screws and square head and slotted headless set screws.

BSR/ASME B89.4.23-201x, X-ray Computed Tomography (CT)
Performance Evaluation Standard (new standard)

Stakeholders: Manufacturers, users, aerospace, researchers,
dimensional metrology, precision engineering.

Project Need: There is a need in the industry to evaluate the
performance of dimensional measurements at the workpiece material -
air interface, including those internal cavities.

This Standard specifies the dimensional measurement accuracy of X-
ray computed tomography (CT) systems for point-to-point length
measurements of homogeneous materials.

AWS (American Welding Society)

Office: 8669 NW 36th Street
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Miami, FL 33166-6672

Contact: Jennifer Rosario

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E-mail: jrosario@aws.org

BSR/AWS D15.1/D15.1M-201X, Railroad Welding Specification for
Cars and Locomotives (revision of ANSI/AWS D15.1/D15.1M-2012)

Stakeholders: Welders, engineers, CWIs, railroad industry, and
government.

Project Need: To provide a single comprehensive document of welding
data for the railroad industry.

This specification establishes minimum welding standards for the
manufacture and maintenance of railcars, locomotives, and their
components, intended for North American railroad service. Clauses 4
through 17 cover the general requirements for welding in the railroad
industry. Clauses 18 through 24 cover specific requirements for the
welding of base metals thinner than 1/8 in [3 mm].

CSA (CSA Group)

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Cleveland, OH 44131

Contact: Cathy Rake

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E-mail: cathy.rake@csagroup.org

* BSR Z21.101-201x, Gas Hose Connectors for Portable and Movable
Gas Appliances (same as CSA 8.5) (revision of ANSI Z21.101-2012)

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

Project Need: Revised and new text.

This standard applies to newly produced other than all-metal flexible
gas connectors constructed entirely of new, unused parts and
materials, consisting of flexible tubing dependent on other than all-
metal construction for gas leak resistance. This connector is intended
to be used in conjunction with ANSI Standard Z21.90, Gas
Convenience Outlets and Optional Enclosures and is for use with
indoor gas-fired appliances that are frequently moved after installation.

BSR/CSA C22.2 No. 336-201x, Particular requirements for
rechargeable battery-operated robotic scrubber dryers (new
standard)

Stakeholders: Floor cleaning equipment manufacturers.

Project Need: There is no such standard in USA.

This standard deals with the safety requirements of robotic scrubber
dryers intended for commercial indoor or outdoor use with the rated
voltage of the battery being not more than 75V dc, charged by mains
electrical power. Their cleaning motion is linear. Robotic scrubber
dryers that can function in manual mode as powered ride-on, powered
walk- behind, or powered stand-on machines shall comply separately
with CSA C22.2 No. 60335-2-72 and UL 583. Robotic scrubber dryers
covered by this standard operate with manual input programming or
teach programming.

EOS/ESD (ESD Association, Inc.)

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Rome, NY 13440

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E-mail: cearl@esda.org

BSR/ESD S8.1-201x, ESD Association Standard for the Protection of
Electrostatic Discharge Susceptible Items - Symbols - ESD
Awareness (revision of ANSI/ESD S8.1-2012)

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

Project Need: The purpose of this document is to standardize
commonly available and in-use symbols and to clarify the meaning of
each of these symbols. The correct usage of symbols will eliminate
confusion between symbols that indicate that an item or material is
ESD susceptible and those that indicate that an item is designed to
afford some degree of ESD protection. This symbol standard is
developed in accordance with international graphical guidelines and
standards.

Three symbols are covered in this document. The first indicates that an
electrical or electronic device or assembly is susceptible to damage
from an ESD event if not properly handled. The second indicates that
the material or product on which the symbol is displayed is intended to
provide some level of protection to ESD susceptible devices or
assemblies. The third indicates the location of an ESD common point
ground terminal or connection point. The application of these ESD
symbols on products is at the discretion of the supplier and does not
constitute or imply a specific level of product performance.

IEEE (Institute of Electrical and Electronics Engineers)

Office: 445 Hoes Lane
Piscataway, NJ 08854-4141

Contact: Lisa Weisser

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BSR/IEEE 666-201x, Design Guide for Electric Power Service Systems
for Generating Stations (revision of ANSI/IEEE 666-2006)

Stakeholders: Design and construction (EPC or AE) firms, generating
station owners and operators, related equipment manufacturers.

Project Need: Review the impact of the latest revisions of other
standards on this document; General review for updating related to
technology advancements in the areas of protection relays, relay
communications, variable frequency drives, control and
communications, and battery technologies; industry practices with
respect to NFPA 70E (Arc Flash considerations); and influences due to
new grid codes and regulations; The standard may benefit from some
additional material for gas-fired or combined-cycle plants.

While this design guide applies to all types of power generating
stations, it is particularly applicable to stations in which the electric
power service system is required to perform continuously. This guide
contains a listing of typical power plant auxiliary loads and criteria for
their power service and examples of single-line diagrams for a typical
plant. It also includes tables of typical power service parameters to
illustrate the range of typical values for each parameter, and it identifies
the approximate effect of the minimum and maximum value of each
parameter on the load.

BSR/IEEE 1668-201x, Recommended Practice for Voltage Sag and Short Interruption Ride-Through Testing for End-Use Electrical Equipment Rated Less than 1000 V (new standard)

Stakeholders: All categories of equipment manufacturers for voltage applications below 1000 Vac, electric service providers, industrial facility managers.

Project Need: There is a need for standardized methodology to test electronic equipment and understand its susceptibility to AC voltage variations. Manufacturers will have a well-defined methodology for evaluating the immunity of their equipment designs and system integrators and end users will be able to evaluate equipment coming into facilities to better understand annual downtime probability.

This document is a non-industry-specific recommended practice for voltage-sag ride-through performance and compliance testing for all electrical and electronic equipment connected to low-voltage power systems (with nominal/rated voltage less than 1000 V) that can experience malfunction or shutdown as a result of reductions in supply voltage lasting less than one minute. Testing procedures and requirements for test equipment are defined to reflect the electrical environment, including single-phase, two-phase, and three-phase, balanced and unbalanced voltage sags. It also defines requirements for certification and test reporting, including characterization.

BSR/IEEE C37.12.1-201x, Recommended Practice for Instruction Manual Content of High-Voltage Circuit Breakers (Over 1000 Volts) (revision of ANSI/IEEE C37.12.1-2007)

Stakeholders: Users and manufacturers of high-voltage circuit breakers, and specifiers.

Project Need: The existing Standard is due to expire in 2018. The title was changed to reflect the type of document and common method of describing recommended practices. The existing document requires updating. Specifically, the new revision will align the text with ANSI/IEEE Std C37.04-1999, ANSI C37.06-2000, ANSI/IEEE Std C37.09-1999, ANSI/IEEE Std C37.010-1999, ANSI/IEEE Std C37.011-2011, ANSI/IEEE Std C37.012-2014, ANSI/IEEE Std C37.11-2014, and current revisions of these documents.

This recommended practice identifies and summarizes circuit breaker manufacturer's information that knowledgeable users will find useful for the receipt, installation, commissioning, operation and maintenance, and decommissioning of high-voltage circuit breakers (over 1000 volts). This recommended practice recommends categories and an arrangement for the presentation of information in circuit breaker instruction manuals.

BSR/IEEE C57.18.10-201x, Standard Practices and Requirements for Semiconductor Power Rectifier Transformers (new standard)

Stakeholders: Users and manufacturers of rectifier power transformers, inverter power transformers, furnace transformers utilizing harmonic generating power supplies, and adjustable-speed drive transformers in electrochemical process rectification, traction power, mining, power generation, and motor drive applications.

Project Need: This project updates IEEE C57.18.10-1998 (R2003). Many changes to the topologies of semiconductor rectifier transformers and adjustable-speed drive transformers mandate updates regarding load current harmonics and multi-pulse phase-shifted windings. It also needs to be clear that this standard also applies to inverter transformers. These have become especially more necessary due to the expanded applications in the generation of electrical power utilizing wind power inverter transformers, etc.

This standard includes transformers for semiconductor power rectifiers, inverters, furnaces and adjustable speed drives for dedicated loads rated: Single-phase 100 kW and above; Three-phase 100 kW and above. The scope of this standard excludes: Static precipitators; High-voltage converters for dc power transmission; Mixed loads of more than 10% non-converter fundamental frequency power content; Other nonlinear loads.

BSR/IEEE C57.148-201x, Standard for Control Cabinets for Power Transformers (revision of ANSI/IEEE C57.148-2011)

Stakeholders: Transformer users and manufacturers.

Project Need: The document covers the standard requirements for transformer control cabinets. The current document will expire in 2021. The document has been in use for 5 years now and can benefit from feedback from users and manufacturers.

This standard will provide minimum and optional function, layout, and construction requirements for standard control cabinet designs. It will also include a coding system for specifying standard control cabinets with the required options. This standard will apply to Class 1 and Class 2 power transformers and will not apply to distribution or padmount design transformers.

ITSDF (Industrial Truck Standards Development Foundation, Inc.)

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BSR/ITSDF B56.11.7-201X, Liquefied Petroleum Gas (LPG) Fuel Cylinders (Horizontal or Vertical) Mounting - Liquid Withdrawal - for Powered Industrial Trucks (revision of ANSI/ITSDF B56.11.7-2011)

Stakeholders: Users and manufacturers of LPG-powered industrial trucks and manufacturers of LPG tanks.

Project Need: To update using the latest information available.

This Standard establishes dimensions for LPG fuel cylinders used on powered industrial trucks.

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

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BSR IT8.6-201x, Graphic technology - Prepress digital data exchange - Diecutting data (DDES3) (revision of ANSI IT8.6-2002 (R2013))

Stakeholders: Users of diecutting systems and electronic prepress systems.

Project Need: Minor revisions to expand the format from its current state expanding the information that it can carry and properly transfer the files between different companies and vendors.

This standard establishes a data exchange format to enable transfer of numerical control information between diecutting systems and between diecutting systems and electronic prepress systems. The information will typically consist of numerical control information used in the manufacture of dies.

TCNA (ASC A108) (Tile Council of North America)

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- * BSR A108.1B-201x, Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set or Latex-Portland Cement Mortar (revision of ANSI A108.1b-1999 (R2010))

Stakeholders: Ceramic tile installers, contractors, and builders (labor interest category), related material manufacturers (manufacturing interest category), distributors, retailers and consumers (user interest category), and affiliated industries (e.g., stone) and other general interest users of this standard (general interest category).

Project Need: Various stakeholders have suggested revisions be made to various sections of this standard.

This standard is intended to describe specifications for the installation of ceramic tile on a cured Portland cement mortar setting bed with dry-set or latex-Portland cement mortar.

- * BSR A108.10-201x, Installation of Grout in Tilework (revision of ANSI A108.10-1999 (R2010))

Stakeholders: Ceramic tile installers, contractors, and builders (labor interest category), related material manufacturers (manufacturing interest category), distributors, retailers and consumers (user interest category), and affiliated industries (e.g., stone) and other general interest users of this standard (general interest category).

Project Need: Various stakeholders have suggested revisions be made to various sections of this standard.

This standard outlines the guidelines for installation of grout in tilework.

- * BSR A108.11-201x, Interior Installation of Cementitious Backer Units (revision of ANSI A108.11-2010 (R2016))

Stakeholders: Ceramic tile installers, contractors, and builders (labor interest category), related material manufacturers (manufacturing interest category), distributors, retailers and consumers (user interest category), and affiliated industries (e.g., stone) and other general interest users of this standard (general interest category).

Project Need: Various stakeholders have suggested revisions be made to various sections of this standard.

This standard describes the specifications for interior installation of cementitious backer units.

UL (Underwriters Laboratories, Inc.)

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- BSR/UL 2748A-201x, Standard for Safety for Arcing Fault Interrupting Devices (new standard)

Stakeholders: Manufacturers of arcing fault interrupting devices, authorities having jurisdiction, electricians, commercial and industrial users, manufacturers of equipment within which is installed arcing fault interrupting devices, and other interest parties.

Project Need: To obtain national recognition of a standard covering arcing fault interrupting devices.

The requirements of UL 2748A cover: (a) Fast operating devices intended to interrupt currents associated with arcing faults, having interrupting times faster than conventional overcurrent devices; (b) Open-type devices that are intended to be installed within power distribution equipment; and (c) Devices rated up to 38 kV ac maximum.

UL (Underwriters Laboratories, Inc.)

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- BSR/UL 62509-201x, Standard for Battery charge controllers for photovoltaic systems - Performance and functioning (national adoption with modifications of IEC 62509)

Stakeholders: Photovoltaic industry.

Project Need: ANSI approval of a new UL IEC-based standard.

Minimum requirements for the functioning and performance of battery charge controllers (BCC) used with lead acid batteries in terrestrial photovoltaic (PV) systems. This standard shall be used in conjunction with IEC 62093. This standard addresses the following battery charge control features: photovoltaic generator charging of a battery, load control, protection functions, and interface functions. This standard defines functional and performance requirements for battery charge controllers and provides tests to determine the functioning and performance characteristics of charge controllers. This standard was written for lead acid battery applications.

- BSR/UL 62548-201x, Standard for Photovoltaic (PV) arrays - Design requirements (national adoption with modifications of IEC 62548)

Stakeholders: Photovoltaic industry.

Project Need: ANSI approval of a new UL IEC-based standard.

Design requirements for photovoltaic (PV) arrays including DC array wiring, electrical protection devices, switching and earthing provisions. This includes all parts of the PV array up to but not including energy storage devices, power conversion equipment or loads. The interconnection of small DC conditioning units intended for connection to PV modules are also included. PV arrays of less than 100 W and less than 35 V DC open-circuit voltage at STC are not covered by this document. PV arrays in grid connected systems connected to medium- or high-voltage systems are not covered in this document.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

<p>AAMI Association for the Advancement of Medical Instrumentation</p> <p>4301 N Fairfax Drive Suite 301 Arlington, VA 22203-1633 Phone: (703) 253-8261 Fax: (703) 276-0793 Web: www.aami.org</p>	<p>ASME American Society of Mechanical Engineers</p> <p>Two Park Avenue New York, NY 10016 Phone: (212) 591-8521 Fax: (212) 591-8501 Web: www.asme.org</p>	<p>GBI Green Building Initiative</p> <p>PO Box 80010 Portland, OR 97280 Phone: (207) 807-8666 Web: www.thegbi.org</p>	<p>ITI (INCITS) InterNational Committee for Information Technology Standards</p> <p>1101 K Street NW Suite 610 Washington, DC 20005-3922 Phone: (202) 626-5737 Fax: (202) 638-4922 Web: www.incits.org</p>
<p>ABYC American Boat and Yacht Council</p> <p>613 Third Street Suite 10 Annapolis, MD 21403 Phone: (410) 990-4460 Fax: (410) 990-4466 Web: www.abycinc.org</p>	<p>ASSE (Safety) American Society of Safety Engineers</p> <p>520 N. Northwest Highway Park Ridge, IL 60068 Phone: (847) 768-3411 Fax: (847) 296-9221 Web: www.asse.org</p>	<p>HI Hydraulic Institute</p> <p>6 Campus Drive, 1st Floor North Parsippany, NJ 07054 Phone: (973) 267-9700 Fax: (973) 267-9055 Web: www.pumps.org</p>	<p>ITSDF Industrial Truck Standards Development Foundation, Inc.</p> <p>1750 K Street NW Suite 460 Washington, DC 20006 Phone: (202) 296-9880 Fax: (202) 296-9884 Web: www.indtrk.org</p>
<p>AMCA Air Movement and Control Association</p> <p>30 West University Drive Arlington Heights, IL 60004-1893 Phone: (847) 704-6285 Web: www.amca.org</p>	<p>AWS American Welding Society</p> <p>8669 NW 36th Street Suite #130 Miami, FL 33166-6672 Phone: (800) 443-9353 Fax: (305) 443-5951 Web: www.aws.org</p>	<p>HL7 Health Level Seven</p> <p>3300 Washtenaw Avenue Suite 227 Ann Arbor, MI 48104 Phone: (734) 677-7777 Fax: (734) 677-6622 Web: www.hl7.org</p>	<p>MHI Material Handling Industry</p> <p>8720 Red Oak Blvd. - Ste. 201 Suite 201 Charlotte, NC 28217 Phone: (704) 714-8755 Fax: (704) 676-1199 Web: www.mhi.org</p>
<p>ANS American Nuclear Society</p> <p>555 North Kensington Avenue La Grange Park, IL 60526-5592 Phone: (708) 579-8269 Fax: (708) 579-8248 Web: www.ans.org</p>	<p>AWWA American Water Works Association</p> <p>6666 W. Quincy Ave. Denver, CO 80235 Phone: (303) 347-6178 Fax: (303) 795-7603 Web: www.awwa.org</p>	<p>IEEE Institute of Electrical and Electronics Engineers</p> <p>445 Hoes Lane Piscataway, NJ 08854-4141 Phone: (732) 981-2864 Web: www.ieee.org</p>	<p>NEMA (ASC C136) National Electrical Manufacturers Association</p> <p>1300 North 17th Street Suite 900 Rosslyn, VA 22209 Phone: (703) 841-3277 Fax: (703) 841-3378 Web: www.nema.org</p>
<p>ASABE American Society of Agricultural and Biological Engineers</p> <p>2950 Niles Road St Joseph, MI 49085 Phone: (269) 932-7015 Fax: (269) 429-3852 Web: www.asabe.org</p>	<p>CSA CSA Group</p> <p>8501 East Pleasant Valley Rd. Cleveland, OH 44131 Phone: (216) 524-4990 x88321 Fax: (216) 520-8979 Web: www.csa-america.org</p>	<p>IEEE (ASC C63) Institute of Electrical and Electronics Engineers</p> <p>445 Hoes Lane, PO Box 1331 Piscataway, NJ 08855-1331 Phone: 732-562-3817 Web: www.ieee.org</p>	<p>NPES (ASC CGATS) NPES</p> <p>1899 Preston White Drive Reston, VA 20191 Phone: (703) 264-7200 Fax: (703) 620-0994 Web: www.npes.org</p>
<p>ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.</p> <p>1791 Tullie Circle, NE Atlanta, GA 30329 Phone: (678) 539-1214 Fax: (678) 539-2214 Web: www.ashrae.org</p>	<p>ECIA Electronic Components Industry Association</p> <p>2214 Rock Hill Road Suite 265 Herndon, VA 20170-4212 Phone: (571) 323-0294 Fax: (571) 323-0245 Web: www.ecianow.org</p>	<p>IESNA Illuminating Engineering Society of North America</p> <p>120 Wall St. 17th Floor New York, NY 10005 Phone: (212) 248-5000 Web: www.iesna.org</p>	<p>NSF NSF International</p> <p>789 N. Dixboro Road Ann Arbor, MI 48105-9723 Phone: (734) 827-3817 Fax: (734) 827-7875 Web: www.nsf.org</p>
	<p>EOS/ESD ESD Association</p> <p>7900 Turin Rd., Bldg. 3 Rome, NY 13440 Phone: (315) 339-6937 Fax: (315) 339-6793 Web: www.esda.org</p>	<p>ISA (Organization) International Society of Automation</p> <p>67 Alexander Drive Research Triangle Park, NC 27709 Phone: (919) 990-9228 Fax: (919) 549-8288 Web: www.isa.org</p>	

PMI (Organization)

Project Management Institute
14 Campus Blvd
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Phone: (313) 404-3507
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Web: www.pmi.org

SCTE

Society of Cable Telecommunications
Engineers
140 Phillips Rd
Exton, PA 19341
Phone: (484) 252-2330
Web: www.scte.org

TCNA (ASC A108)

Tile Council of North America
100 Clemson Research Blvd.
Anderson, SC 29625
Phone: (864) 646-8453
Fax: (864) 646-2821
Web: www.tileusa.com

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

UL

Underwriters Laboratories, Inc.
333 Pfingsten Road
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Phone: (847) 664-1725
Fax: (847) 407-1725
Web: www.ul.com



ISO & IEC Draft International Standards

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

Comments

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); those regarding IEC documents should be sent to 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

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 18593, Microbiology of food and animal feeding stuffs - Horizontal method for sampling techniques from surfaces using contact plates and swab methods - 12/21/2020, \$58.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 21100, Aircraft ground equipment - Performance requirements and test parameters - 1/26/2017, \$107.00

BUILDING ENVIRONMENT DESIGN (TC 205)

ISO/DIS 11855-6, Building environment design - Design, dimensioning, installation and control of embedded radiant heating and cooling systems - Part 6: Control - 1/25/2017, \$62.00

IMPLANTS FOR SURGERY (TC 150)

ISO 14242-3/DAmD1, Implants for surgery - Wear of total hip-joint prostheses - Part 3: Loading and displacement parameters for orbital bearing type wear testing machines and corresponding environmental conditions for test - Amendment 1 - 1/22/2017, \$29.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/DIS 15384, Protective clothing for firefighters - Laboratory test methods and performance requirements for wildland firefighting clothing - 11/25/2016, \$67.00

QUANTITIES, UNITS, SYMBOLS, CONVERSION FACTORS (TC 12)

ISO/DIS 80000-9, Quantities and units - Part 9: Physical chemistry and molecular physics - 1/26/2017, \$77.00

ISO/DIS 80000-11, Quantities and units - Part 11: Characteristic numbers - 1/26/2017, \$107.00

SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

ISO/DIS 20380, Public swimming pools - Computer vision systems for the detection of drowning accidents in swimming pools - Safety requirements and test methods - 11/25/2016, \$67.00

TECHNICAL DRAWINGS, PRODUCT DEFINITION AND RELATED DOCUMENTATION (TC 10)

ISO/DIS 6413, Technical product documentation - Representation of splines and serrations - 11/25/2016, \$58.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 5395-1/DAmD1, Garden equipment - Safety requirements for combustion-engine-powered lawnmowers - Part 1: Terminology and common tests - Amendment 1: Annex G (Vibration test code - Hand-arm vibration and Whole-body vibration) - 1/27/2017, \$46.00

ISO/DIS 789-1, Agricultural tractors - Test procedures - Part 1: Power tests for power take-off - 1/22/2017, \$53.00

ISO/DIS 789-2, Agricultural tractors - Test procedures - Part 2: Rear three-point linkage lifting capacity - 1/22/2017, \$53.00

ISO/DIS 789-9, Agricultural tractors - Test procedures - Part 9: Power tests for drawbar - 1/22/2017, \$58.00

ISO/DIS 789-13, Agricultural tractors - Test procedures - Part 13: Terms and definitions - 1/22/2017, \$112.00

ISO/DIS 25119-2, Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 2: Concept phase - 1/27/2017, \$119.00

ISO/DIS 25119-3, Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 3: Series development, hardware and software - 1/27/2017, \$134.00

ISO/DIS 25119-4, Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 4: Production, operation, modification and supporting processes - 1/27/2017, \$88.00

WELDING AND ALLIED PROCESSES (TC 44)

- ISO/DIS 24373, Welding consumables - Solid wires and rods for fusion welding of copper and copper alloys - Classification - 1/22/2017, \$58.00
- ISO/DIS 26304, Welding consumables - Solid wire electrodes, tubular cored electrodes and electrode-flux combinations for submerged arc welding of high strength steels - Classification - 1/26/2017, \$77.00

ISO/IEC JTC 1, Information Technology

- ISO/IEC 21000-19/DAMd1, Information technology - Multimedia framework (MPEG-21) - Part 19: Media Value Chain Ontology - Amendment 1: Extensions on time-segments and multi-track audio - 1/25/2017, \$82.00
- ISO/IEC DIS 7816-9, Identification cards - Integrated circuit cards - Part 9: Commands for card management - 1/22/2017, \$88.00

IEC Standards

- 2/1854/FDIS, IEC 60034-18-42 Ed.1: Rotating electrical machines - Part 18-42: Partial discharge resistant electrical insulation systems (Type II) used in rotating electrical machines fed from voltage converters - Qualification tests, 12/16/2016
- 9/2219/CD, IEC 62848-2 Ed.1: Railway applications - Fixed installations - DC surge arresters and voltage limiting devices - Part 2: Voltage limiting devices, 01/27/2017
- 17C/653/CD, IEC 62271-214 Ed.1: High-voltage switchgear and controlgear - Part 214: Internal arc classification for pole-mounted switchgear for rated voltages above 1 kV and up to and including 52 kV, 01/27/2017
- 21A/614/NP, Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary lithium batteries for use in road vehicles not for the propulsion, 01/27/2017
- 34/360/NP, PNW 34-360: Lighting system - General requirements, 01/27/2017
- 34/361/NP, PNW 34-361: General requirements for lighting systems - Safety, 01/27/2017
- 47/2326/FDIS, IEC 62435-1 Ed.1: Electronic components - Long-term storage of electronic semiconductor devices - Part 1: General, 12/16/2016
- 47/2327/FDIS, IEC 62435-2 Ed.1: Electronic components - Long-term storage of electronic semiconductor devices - Part 2: Deterioration mechanisms, 12/16/2016
- 47/2328/FDIS, IEC 62435-5 Ed.1: Electronic components - Long-term storage of electronic semiconductor devices - Part 5: Die and wafer devices, 12/16/2016
- 47/2329/FDIS, IEC 62830-2 Ed.1: Semiconductor devices - Semiconductor devices for energy harvesting and generation - Part 2: Thermo power based thermoelectric energy harvesting, 12/16/2016
- 56/1711/FDIS, IEC 62550/Ed1: Spare Parts Provisioning, 12/16/2016
- 62D/1422/FDIS, ISO 80601-2-56: Medical electrical equipment - Part 2-56: Particular requirements for basic safety and essential performance of clinical thermometers for body temperature measurement, 01/06/2017
- 69/463/CDV, Road vehicles - Vehicle to grid communication interface - Part 4: Network and application protocol conformance test, 01/27/2017
- 77B/762/CDV, Amendment 1 to IEC 61000-4-5: Addition to clause 7.3; new Annex I, 01/27/2017
- 77B/764/CDV, IEC 61000-4-12: Electromagnetic Compatibility (EMC) - Part 4-12: Testing and measurement techniques - Ring wave immunity test, 01/27/2017
- 77B/766A/CD, IEC 61000-4-20: Electromagnetic compatibility (EMC) - Part 4-20: Testing and measurement techniques - Emission and immunity testing in transverse electromagnetic (TEM) waveguides, 01/06/2017
- 82/1197/FDIS, IEC 62788-1-6 Ed.1: Measurement procedures for materials used in photovoltaic modules - Part 1-6: Encapsulants - Test methods for determining the degree of cure in Ethylene-Vinyl Acetate, 12/16/2016
- 82/1198/NP, Recommendations for renewable energy and hybrid systems for rural electrification - Part 7-4: Generators - Integration of solar with other forms of power generation within hybrid power systems (proposed IEC 62257-7-4 TS), 01/27/2017
- 82/1199/NP, Recommendations for renewable energy and hybrid systems for rural electrification - Part 9-7: Selection of inverters (proposed IEC 62257-9-7 TS), 01/27/2017
- 82/1200/CD, IEC 62892-2 Ed.1: Testing of PV modules to differentiate performance in multiple climates and applications - Part 2: Test procedure for thermal cycling, 01/27/2017
- 82/1201/DTS, IEC 62257-7 TS Ed.2: Recommendations for renewable energy and hybrid systems for rural electrification - Part 7: Generators, 01/27/2017
- 86C/1415/CD, IEC 62343-5-2/Ed1: Dynamic modules - Part 5-2: Test methods - 1xN fixed-grid WSS - Dynamic crosstalk measurement, 01/27/2017
- 88/610/FDIS, IEC 61400-12-1 Ed.2: Wind energy power generation systems - Part 12-1: Power performance measurements of electricity producing wind turbines, 12/16/2016
- 100/2823/DTR, IEC 63094 Ed1 TR: Multimedia systems and equipment - Multimedia signal transmission - Dependable line code with error correction, 12/30/2016
- 100/2826/PAS, IEC/PAS 63095-1 Ed1: The Qi Wireless Power Transfer System - Power Class 0 Specification Parts 1 and 2: Interface Definitions Version 1.2.2 (TA 15), 12/30/2016
- 100/2827/PAS, IEC/PAS 63095-2 Ed1: The Qi Wireless Power Transfer System - Power Class 0 Specification Part 4: Reference Designs Version.1.1.2 (TA 15), 12/30/2016
- 100/2831/CD, IEC 61937-11 Ed.1.0 Amd.1: Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 11: MPEG-4 AAC and its extensions in LATM/LOAS (TA 4), 01/27/2017
- 100/2832/CD, IEC 61937-2 Ed.2.0 Amd.2: Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 2: Burst-info (TA 4), 01/27/2017
- 104/697/CDV, IEC 60068-3-5 Ed.2: Environmental Testing - Part 3-5: Supporting documentation and guidance - Confirmation of the performance of temperature chambers, 01/27/2017
- 104/699/CDV, IEC 60068-3-6 Ed.2: Environmental Testing - Part 3-6: Supporting documentation and guidance - Confirmation of the performance of temperature/humidity chambers, 01/27/2017
- 120/93/DTS, IEC/TS 62933-4-1 Ed.1: Electric Energy Storage System - Part 4-1: Guidance on Environmental Issues, 01/27/2017
- 120/94/CD, IEC 62933-3-1 Ed.1: Electrical Energy Storage (EES) Systems - Part 3-1: Planning and Installation - General specifications, 12/30/2016
- 121A/116/CD, IEC 60947-1 Ed.6: Low-voltage switchgear and controlgear - Part 1: General rules, 01/27/2017



Newly Published ISO & IEC Standards

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

ISO Standards

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 20913:2016](#), Information technology - Data centres - Guidelines on holistic investigation methodology for data centre key performance indicators, \$123.00

AIR QUALITY (TC 146)

[ISO 20581:2016](#), Workplace air - General requirements for the performance of procedures for the measurement of chemical agents, \$123.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

[ISO 43:2016](#), Aircraft - Jacking pads, \$51.00

[ISO 10537:2016](#), Space data and information transfer systems - Encapsulation service, \$173.00

[ISO 18440:2016](#), Space data and information transfer systems - Space link extension - Internet protocol for transfer services, \$240.00

[ISO 18441:2016](#), Space data and information transfer systems - Space link extension - Application program interface for transfer services - Core specification, \$265.00

[ISO 18442:2016](#), Space data and information transfer systems - Space link extension - Application program interface for return all frames service, \$240.00

[ISO 18443:2016](#), Space data and information transfer systems - Space link extension - Application program interface for return channel frames service, \$240.00

[ISO 18444:2016](#), Space data and information transfer systems - Space link extension - Application program interface for return operational control fields service, \$240.00

[ISO 18445:2016](#), Space data and information transfer systems - Space link extension - Application program interface for the forward CLTU service, \$265.00

[ISO 18446:2016](#), Space data and information transfer systems - Space link extension - Application program interface for the forward space packet service, \$265.00

[ISO 21323:2016](#), Space data and information transfer systems - CCSDS Bundle protocol specification, \$265.00

[ISO 21324:2016](#), Space data and information transfer systems - Space data link security protocol, \$240.00

[ISO 22645:2016](#), Space data and information transfer systems - TM (telemetry) space data link protocol, \$265.00

[ISO 22664:2016](#), Space data and information transfer systems - TC (telecommand) space data link protocol, \$265.00

[ISO 22666:2016](#), Space data and information transfer systems - AOS (advanced orbiting systems) space data link protocol, \$265.00

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

[ISO 19044:2016](#), Test methods for fibre-reinforced cementitious composites - Load-displacement curve using notched specimen, \$88.00

[ISO 1920-2:2016](#), Testing of concrete - Part 2: Properties of fresh concrete, \$240.00

DENTISTRY (TC 106)

[ISO 3964:2016](#), Dentistry - Coupling dimensions for handpiece connectors, \$88.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

[ISO 16610-31:2016](#), Geometrical product specifications (GPS) - Filtration - Part 31: Robust profile filters: Gaussian regression filters, \$88.00

FINE CERAMICS (TC 206)

[ISO 19603:2016](#), Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for determining elastic modulus and bending strength of thick ceramic coatings, \$88.00

[ISO 22197-1:2016](#), Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for air-purification performance of semiconducting photocatalytic materials - Part 1: Removal of nitric oxide, \$123.00

GAS CYLINDERS (TC 58)

[ISO 24431:2016](#), Gas cylinders - Seamless, welded and composite cylinders for compressed and liquefied gases (excluding acetylene) - Inspection at time of filling, \$123.00

GRAPHIC TECHNOLOGY (TC 130)

[ISO 12647-7:2016](#), Graphic technology - Process control for the production of halftone colour separations, proof and production prints - Part 7: Proofing processes working directly from digital data, \$149.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

[ISO 8608:2016](#), Mechanical vibration - Road surface profiles - Reporting of measured data, \$200.00

METALLIC AND OTHER INORGANIC COATINGS (TC 107)

[ISO 19598:2016](#), Metallic coatings - Electroplated coatings of zinc and zinc alloys on iron or steel with supplementary Cr(VI)-free treatment, \$88.00

OTHER

[ISO 17034:2016](#), General requirements for the competence of reference material producers, \$149.00

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

[ISO 15223-1:2016](#), Medical devices - Symbols to be used with medical device labels, labelling and information to be supplied - Part 1: General requirements, \$149.00

RUBBER AND RUBBER PRODUCTS (TC 45)

[ISO 6804:2016](#), Rubber and plastics inlet hoses and hose assemblies for washing-machines and dishwashers - Specification, \$123.00

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

[ISO 11040-8:2016](#), Prefilled syringes - Part 8: Requirements and test methods for finished prefilled syringes, \$88.00

[ISO 8536-14:2016](#), Infusion equipment for medical use - Part 14: Clamps and flow regulators for transfusion and infusion equipment without fluid contact, \$51.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO 16787:2016](#), Intelligent transport systems - Assisted Parking System (APS) - Performance requirements and test procedures, \$173.00

WATER QUALITY (TC 147)

[ISO 10253:2016](#), Water quality - Marine algal growth inhibition test with *Skeletonema* sp. and *Phaeodactylum tricornutum*, \$149.00

ISO Technical Reports**ROAD VEHICLES (TC 22)**

[ISO/TR 17987-5:2016](#), Road vehicles - Local Interconnect Network (LIN) - Part 5: Application programmers interface (API), \$173.00

(TC 269)

[ISO/TR 21245-2:2016](#), Railway applications - Rail project planning process - Part 2: Conditions, \$51.00

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

[ISO/TS 21569-4:2016](#), Horizontal methods for molecular biomarker analysis - Methods of analysis for the detection of genetically modified organisms and derived products - Part 4: Real-time PCR based screening methods for the detection of the P-nos and P-nos-nptII DNA sequences, \$88.00

[ISO/TS 21569-5:2016](#), Horizontal methods for molecular biomarker analysis - Methods of analysis for the detection of genetically modified organisms and derived products - Part 5: Real-time PCR based screening method for the detection of the FMV promoter (P-FMV) DNA sequence, \$88.00

[ISO/TS 21569-6:2016](#), Horizontal methods for molecular biomarker analysis - Methods of analysis for the detection of genetically modified organisms and derived products - Part 6: Real-time PCR based screening methods for the detection of cry1Ab/Ac and Pubicy DNA sequences, \$88.00

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

[ISO/TS 17902:2016](#), Wrapped electrofoaming joints for polyethylene (PE) piping systems with smooth outer wall for gravity drains and sewers, \$123.00

QUALITY MANAGEMENT AND QUALITY ASSURANCE (TC 176)

[ISO/TS 9002:2016](#), Quality management systems - Guidelines for the application of ISO 9001:2015, \$200.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 19788-3/Amd1:2016](#), Information technology - Learning, education and training - Metadata for learning resources - Part 3: Basic application profile - Amendment 1, \$173.00

[ISO/IEC 23003-2/Amd4:2016](#), Information technology - MPEG audio technologies - Part 2: Spatial Audio Object Coding (SAOC) - Amendment 4: SAOC Conformance, \$173.00

[ISO/IEC 23003-2/Amd5:2016](#), Information technology - MPEG audio technologies - Part 2: Spatial Audio Object Coding (SAOC) - Amendment 5: SAOC Reference Software, \$22.00

[ISO/IEC 23008-3/Amd4:2016](#), Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 3: 3D audio - Amendment 4: Carriage of system data, \$22.00

[ISO/IEC 18305:2016](#), Information technology - Real time locating systems - Test and evaluation of localization and tracking systems, \$240.00

[ISO/IEC 7816-8:2016](#), Identification cards - Integrated circuit cards - Part 8: Commands and mechanisms for security operations, \$200.00

[ISO/IEC 19592-1:2016](#), Information technology - Security techniques - Secret sharing - Part 1: General, \$88.00

[ISO/IEC 27050-1:2016](#), Information technology - Security techniques - Electronic discovery - Part 1: Overview and concepts, \$149.00

IEC Standards**ELECTRICAL ACCESSORIES (TC 23)**

[IEC 62613-2 Ed. 2.0 b:2016](#), Plugs, socket-outlets and ship couplers for high-voltage shore connection systems (HVSC-systems) - Part 2: Dimensional compatibility and interchangeability requirements for accessories to be used by various types of ships, \$278.00

ELECTROMECHANICAL COMPONENTS AND MECHANICAL STRUCTURES FOR ELECTRONIC EQUIPMENTS (TC 48)

[IEC/PAS 61076-3-124 Ed. 1.0 en:2016](#), Connectors for electronic equipment - Product requirements - Part 2-124: Detail specification for 10-way, shielded, free and fixed connectors for I/O and Gigabit transmission capability for industrial applications, \$206.00

FUSES (TC 32)

[IEC 60127-5 Ed. 2.0 b:2016](#), Miniature fuses - Part 5: Guidelines for quality assessment of miniature fuse-links, \$61.00

INSULATION CO-ORDINATION FOR LOW-VOLTAGE EQUIPMENT (TC 109)

[IEC 60664-SER Ed. 1.0 b:2016](#), Insulation coordination for equipment within low-voltage systems - ALL PARTS, \$1153.00

[IEC 60664-3 Ed. 3.0 b:2016](#), Insulation coordination for equipment within low-voltage systems - Part 3: Use of coating, potting or moulding for protection against pollution, \$182.00

[S+ IEC 60664-3 Ed. 3.0 en:2016 \(Redline version\)](#), Insulation coordination for equipment within low-voltage systems - Part 3: Use of coating, potting or moulding for protection against pollution, \$218.00

POWER ELECTRONICS (TC 22)

[IEC 61204-7 Ed. 2.0 b:2016](#), Low-voltage switch mode power supplies - Part 7: Safety requirements, \$387.00

[IEC 61204-7 Ed. 2.0 en:2016](#), Low-voltage switch mode power supplies - Part 7: Safety requirements, \$402.00

IEC Technical Reports**LAMPS AND RELATED EQUIPMENT (TC 34)**

[IEC/TR 63037 Ed. 1.0 en:2016](#), Electrical interface specifications for self ballasted lamps and controlgear in phase-cut dimmed lighting systems, \$206.00

Registration of Organization Names in the United States

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

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

PUBLIC REVIEW

ISSQUARED

Public Review: August 26 to November 26, 2016

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

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

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

Information Concerning

American National Standards

Call for Members

INCITS Executive Board – ANSI Accredited SDO and US TAG to ISO/IEC JTC 1, Information Technology

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

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

Membership in the INCITS Executive Board is open to all directly and materially affected parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at jgarner@itic.org or visit <http://www.incits.org/participation/membership-info> for more information.

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI Accredited Standards Developers

Approval of Reaccreditation

Association for Challenge Course Technology (ACCT)

The reaccreditation of the Association for Challenge Course Technology (ACCT), an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under its recently revised operating procedures for documenting consensus on ACCT-sponsored American National Standards, effective November 9, 2016. For additional information, please contact: Mr. Bill Weaver, Director of Operations, Association for Challenge Course Technology, P.O. Box 47, Deerfield, IL 60015; phone: 800.991.0286, ext. 913; e-mail: bill@acctinfo.org.

Business & Institutional Furniture Manufacturers Association (BIFMA)

The reaccreditation of the Business & Institutional Furniture Manufacturers Association (BIFMA), an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under its recently revised operating procedures for documenting consensus on BIFMA-sponsored American National Standards, effective November 9, 2016. For additional information, please contact: Mr. David Panning, Director of Technical Services, BIFMA International, 678 Front Street, Suite 150; phone: 616.285.3963; e-mail: Email@bifma.org.

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Medicinal Plants

Comment Deadline: December 2, 2016

ISIRI, the ISO member body for Iran, has submitted to ISO a proposal for a new field of ISO technical activity on Medicinal Plants, with the following scope statement:

Standardization in the field of medicinal plants as well as medicinal plants propagation materials, in particular terminology, sampling, test methods and analysis, product specifications, safety and quality requirements for packaging, storage and transportation. Medicinal plants substances with regard to safety and quality such as content of active material, values for physical, chemical specifications and microbial contaminants, chemical residues and heavy metals etc., must be based on recognized international standards or deliverables and should be laid down in written form.

Excluded from its scope are products covered by ISO/TC 54 Essential oils, ISO/TC 245 Traditional Chinese Medicine and ISO/TC 215 Health Informatics.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, December 2, 2016.

International Workshop Agreement Proposal Resource-Oriented Sanitation Systems

Comment Deadline: December 1, 2016

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

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

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

Meeting Notices

ANSI/ASSE Z10 Committee on Occupational Safety and Health Management Systems

The ANSI/ASSE Z10 Committee for Occupational Safety and Health Management Systems will be meeting in Park Ridge (Chicago area) from January 23rd to the 25th in 2017. The meeting schedule will be provided prior to the meeting. If you should have any questions about attendance, please contact Tim Fisher with ASSE on behalf of the secretariat:

Timothy R. Fisher, CSP, CHMM, ARM, CPEA, CAE

Director, Practices and Standards
American Society of Safety Engineers (ASSE)

1800 East Oakton Street
Des Plaines, IL 60018

847/768-3411 (T)

847/296-9221 (F)

TFisher@ASSE.Org

U.S. TAG to TC 301 – Energy Management and Energy Savings

The U.S. TAG to TC 301 Energy Management and Energy Savings will be meeting at 1899 L St NW, Washington, DC 20036 on November 29-30, 2016. For those interested in attending, please contact either Melody McElwee at melody.McElwee@innovate.gatech.edu or Deann Desai at deann.desai@gatech.edu.



**BSR/ASHRAE Addendum d to
ANSI/ASHRAE Standard 161-2013**

Public Review Draft

**Proposed Addendum d to
Standard 161-2013, Air Quality
within Commercial Aircraft**

**First Public Review (October 2016)
(Draft shows Proposed Changes to Current Standard)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

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ASHRAE, 1791 Tullie Circle, NE, Atlanta GA 30329-2305

(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

FOREWORD

This proposed addendum expands on the design and operational requirements intended to prevent overservicing of the aircraft engines and auxiliary power unit (APU) with engine oil.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes.

Addendum d to Standard 161-2013

Revise Section 8.7 as shown below. The remainder of Section 8.7 is unchanged.

8.7 Engine Oil.

Design	a. <u>Engine design features</u> measures that minimize the potential for engine oil and/or its by-products <u>to entering the cabin and flight deck air supplies shall</u> should <u>be evaluated and implemented, where possible, on new and current engine designs.</u> Such measures include, but are not limited to, the design of a <u>more robust oil seals and improved oil reservoir design to include a placard at each servicing point with specific instructions not to overservice and to prevent reduce/minimize spillage.</u> Based on this evaluation, such measures should be installed on new engines by incorporating them into the engine design requirements.
---------------	--

[...]

Maintenance	a. <u>Operational procedures to prevent overservicing of each engine/APU oil reservoir shall be applied to reading the oil level, adding oil, and keeping an accurate record of oil additions, as follows:</u> <ol style="list-style-type: none"><u>Oil consumption in the engines/APU shall be accurately assessed in accordance</u> monitored. <u>Oil levels shall be assessed with engine-manufacturer recommended practices. Such practices shall ensure that the oil level is read and recorded within the recommended time frame, preferably shortly after engine shutdown when the oil is still in an expanded state, but after allowing airline-specific standardized measurement practices that ensure adequate time for to allow any circulating oil to the return to the reservoir sump before measurements are collected.</u><u>Maintenance protocols shall ensure suitable education/training according to manufacturer-recommended procedures intended to prevent overservicing of each engine/APU oil reservoir and to prevent spillage. Manufacturers' procedures typically specify the time frame for servicing, the required condition of the engine during servicing, the level to which each reservoir shall be serviced, and the necessary equipment/methods, including the proper sequence of steps to ensure that the APU is properly shut down, which is a prerequisite for proper oil servicing. (Note: An open air intake door indicates that the APU was not shut down properly.) Equipment shall be provided that allows addition of fractions of a packaging size of oil wherever a complete addition of the smallest available oil packaging size can lead to overservicing.</u><u>The addition of oil shall be logged according to.</u> Measurements recorded shall be the actual amounts added consumed, <u>not the package size used to service the particular unit, as described in Section 2.</u>
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[...]

B18.13 DRAFT

Screw and Washer Assemblies - SEMS (Inch Series)



(Revision of ASME B18.13-1996)

TENTATIVE
SUBJECT TO REVISION OR WITHDRAWAL
Specific Authorization Required for Reproduction or Quotation
ASME Standards and Certification

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS
Two Park Ave.
New York, New York 10016-5990

Section 2.8, REV 9-14-16

Carbon and/or alloy steel fastener/washer assemblies, SEMS, which have a specified hardness above HRC 39 and which are subsequently electroplated to enhance corrosion resistance shall be tested for embrittlement using the method detailed in ASME B18.6.3. Evidence of screw or washer fracture when visually examined without supplementary magnification shall constitute test failure.

2.8 Embrittlement Test

Carbon and/or alloy steel fastener/washer assemblies, SEMS, which have a specified hardness of ~~HRC 40 or~~ above HRC 39 and which are subsequently ~~zinc~~ electroplated to enhance corrosion resistance shall be tested for embrittlement using the method detailed in ASME B18.6.3. ~~Drive five screws to failure (i.e., screw breakage into two or more parts) and average the failure values. Tighten sample screws to 80% of the average failure torque. The screws shall be allowed to remain in this tightened state for a period of 24 hr. The original embrittlement test torque shall then be reapplied and there shall be no evidence of screw or washer failure. Evidence of screw or washer fracture when visually examined without supplementary magnification shall constitute test failure.~~

BSR/ESD STM5.5.1-201x

FOREWORD

This document defines a method for pulse testing to evaluate the voltage-current response of the component under test. This technique is known as “transmission line pulse” (TLP) testing. This document simultaneously describes the techniques traditionally known as TLP methods (pulse duration in the order of 100 ns), VF-TLP methods (pulse duration shorter than [or equal to](#) 10 ns), and long pulse TLP methods (pulse duration more than 200 ns).

5.1 Oscilloscope

For (quasi-static) TLP applications the minimum single shot bandwidth and the minimum sampling rate depend on the required pulse width. Table 1 gives minimum bandwidth requirements for different pulse widths. [Based on this table, suitable requirements can be derived for other pulse width / rise time combinations.](#) If transient signals need to be measured, the oscilloscope bandwidth requirements are as described in Section 7.1.

Table 1. Required Minimum Single Shot Band Width and Sampling Rate for Typical TLP Pulse Widths / Rise Time

Pulse Width / Rise Time	Single Shot Bandwidth	Sampling Rate
≥ 100 ns / ≥ 10 ns	100 MHz	0.5 Gsample/s
10 ns / 1 ns	1 GHz	3 Gsample/s
5 ns / 0.5 ns	2 GHz	6 Gsample/s
1 ns / 0.1 ns	6 GHz	20 Gsample/s

5.2 Voltage Probe

- Shall be able to withstand the open-circuit maximum voltage without electrical damage.
- For [most](#) TLP applications (pulse width 100 ns or longer) a minimum bandwidth of 200 MHz is sufficient for the extraction of the quasi-static I-V characteristic.
- For VF-TLP applications [and for TLP applications with rise times less than 10 ns](#) the minimum bandwidth depends on the rise time which has to be resolved. It shall not be below 3 times the single shot bandwidth of the applied oscilloscope (see Table 1).

5.3 Current Probe

The current probe is not required in all TLP configurations. If a current probe is applied it shall meet the following requirements:

- Shall not saturate under TLP test maximum current and maximum pulse width.
- For [most](#) TLP applications (pulse width 100 ns or longer) a minimum bandwidth of 200 MHz. This is sufficient for the extraction of the quasi-static I-V characteristic. Furthermore, it shall have a low enough frequency cut off in order to avoid a signal droop for the longest TLP pulses to be used.
- For VF-TLP applications [and for TLP applications with rise times less than 10 ns](#) the minimum bandwidth depends on the rise time which has to be resolved. It shall not be below three times the single shot bandwidth of the applied oscilloscope (see Table 1).

Ringling duration. [The length of time between the time when the pulse first crosses the plateau level](#) [The length of time between the beginning of the pulse](#) and the time that the pulse settles to and remains within 95% and 105% of the plateau.

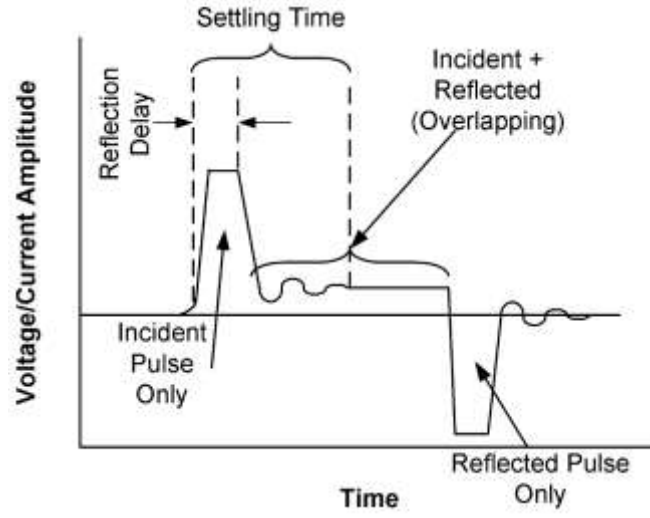


Figure 4: Overlap Pulse Showing Settling Time

NOTE: Valid for voltage into a load < 50 ohms or a current for a load > 50 ohms assuming a 50-ohm system.

7.1 TLP Waveforms at Pulse Generator

This section describes the pulse characteristics of the pulse generator which sets the best case capability of the measurement system. Tables 2 and 3 summarize the pulse characteristics for VF and Standard / Long TLP respectively when measured directly by an oscilloscope with a 50-ohm input impedance connected using a short length of high frequency cable and appropriate attenuators. These measurements do not include the effects of voltage and/or current probes to be used during measurements of a DUT. These measurements require faster bandwidth measurement equipment than is required in Table 1 for the measurement of current versus voltage curves late in the pulse. For standard / long TLP equipment, a minimum 1 GHz bandwidth oscilloscope is required while for VF-TLP equipment a 6 GHz or higher bandwidth oscilloscope is required. [For TLP applications with a faster rise time than specified in Table 1, the same oscilloscope requirements apply as for VF-TLP equipment.](#) These measurements are not needed on a regular basis and are needed only for initial characterization of the equipment or if modifications to the equipment are made.

Tables 2 and 3 parameters shall be verified for all combinations of pulse widths and rise time filters that are to be used, especially if the rise time filters are included within the pulse source. When reporting TLP results the parameters of Tables 2 or 3 shall be noted.

7.2.1 Time Domain Reflection with Overlap (TDR-O)

Many Standard TLP systems use TDR-O measurement for both voltage and current or for current only and a representation of the captured waveform is shown in Figure 4. A schematic of this type of system is shown in Figure 8 in Annex A. In this configuration it is not easy to determine the waveform at the DUT during the early part of the pulse.

To determine the effect of the voltage and/or current probes the DUT (but not the test fixture) can be replaced by a 50-ohm load. In this way there is no return pulse and the probes only see the incoming pulse. Non 50-ohm parts of the test fixture will create reflections and this type of measurement can be used to understand the properties of the test fixture. [Table 4 lists appropriate conditions.](#)

Table 4. TDR-O Waveform Measurements

TDR-O measurement	Value	Load Condition
Settling Time for Voltage	< 50 % of Pulse Width	Short
Settling Time for Current	< 50 % of Pulse Width	Open

The measurement window in TDR-O shall begin after the settling time. ~~Choosing a~~ wide measurement window ~~will allow~~ contains many time data points ~~to be used~~ which will result in less instrument noise and better I-V curves. A wide measurement window is a good choice during the determination of series and shunt resistance values as will be discussed in Section 8.1 on error correction and calibration. Some DUTs will have variable properties during the plateau region seen during short and open measurements. This is often due to device heating during the pulse, resulting in higher resistance and larger voltage drops. In this case, a narrower window near the end of the pulse will better show these effects. In these cases it may also be useful to plot I-V curves from a variety of small windows so that the evolution of the I-V curve can be seen for different measurement windows.

7.2.3 Time Domain Reflection Separate (TDR-S)

TDR-S is usually used for VF-TLP where the pulse length is too short ~~for there to be to~~ provide sufficient overlap between the incident and reflected pulses at the point of the voltage and/or current probes. Current probes are often too slow for VF-TLP so they are often not used and current is calculated from voltage, $I = V/50$. When calculating the reflected current pulse from the reflected voltage pulse it is necessary to reverse the sign of the voltage since the reflected current flows in the opposite direction of the incident current pulse.

An idealized view of how the incident and reflected pulses shall look as captured by the oscilloscope is shown in Figure 6. Note that the long tails on the pulses reflects a reality that most TLP pulses have a longer tail than would be expected from the rise time. Signals recorded between the end of the incident pulse but before the reflected pulse indicate deviations from an ideal 50-ohms ~~impedance~~ between the voltage probe and the position of the DUT.

Table 7. TLP Methodologies and Parameters

Typical Features	Method of Transmission Line Pulsing (TLP)			
	Current Source	TDR-O	TDR-S	TDRT
Impedance (Ω)	Approximately 500	50	50	100
Maximum Current, short circuit* (A)	45	20	20	10
Pulse Width, FWHM	50 ns to 1 μ s, 100 ns typical	greater than 10 ns, 100 ns typical	shorter than 10 ns, 5 ns typical	greater than 10 ns, 100 ns typical
Rise Time, Tr	greater than 3 ns, 10 ns typical	greater than 100 ps, 10 ns typical	200 ps typical	greater than 100 ps, 10 ns typical
Reflections	Slight	Yes	Yes	Yes

Typical Features	Method of Transmission Line Pulsing (TLP)			
	Current Source	TDR-O	TDR-S	TDRT
Voltage Reflection Polarity	Unipolar, never inverted	Bipolar, first reflection inverted if DUT impedance <50 ohms	Bipolar, first reflection inverted if DUT impedance <50 ohms	Unipolar, never inverted
Attenuation needed to reduce reflections†	No	Yes (at least 6 dB)	Yes	Yes
Two-channel Oscilloscope	Yes	Yes	No (if current is calculated)	Yes
Reference Pulse Required	No	No (if both voltage and current are measured)	Yes (incident pulse (=reference) is measured with the same scope channel)	No

*Based on a 1000 volts supply charging the transmission line. Use of attenuators in the DUT path requires higher voltages to obtain this current. Higher currents may be achieved with supplies that generate higher voltages.

†Additional attenuators may be needed at oscilloscope inputs.

A.2.1 Current Source TLP Method

The Current Source TLP method is shown in Figure 7. In this method, there is a 500-ohm impedance in series with the DUT and a termination. A two-channel oscilloscope is used with a current probe (to measure current through the DUT) and voltage probe (in parallel with the DUT to measure DUT voltage). ~~The current is typically limited to 5 amperes.~~ Only minor reflections are observed and no reference pulse is required.

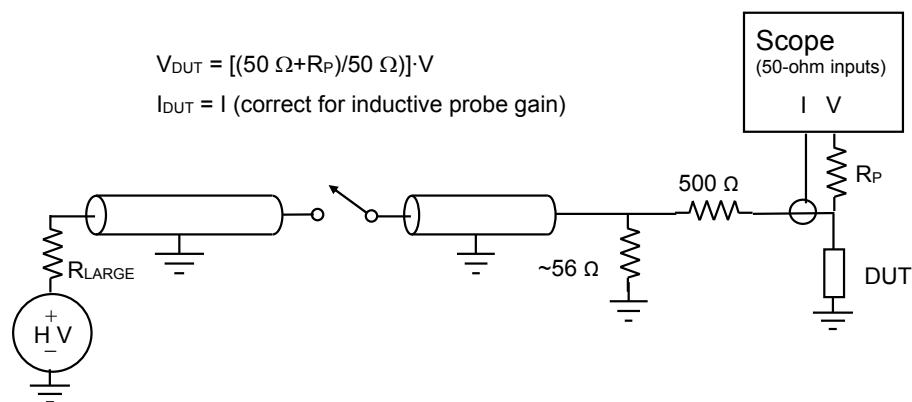


Figure 7: Current Source TLP

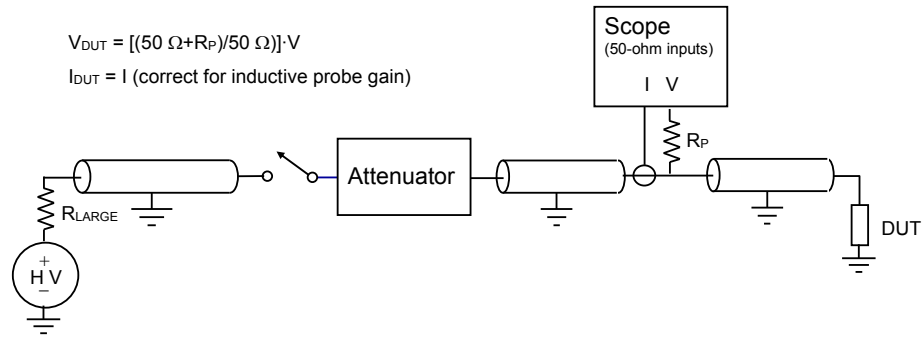


Figure 8: Time Domain Reflectometer (TDR-O) TLP

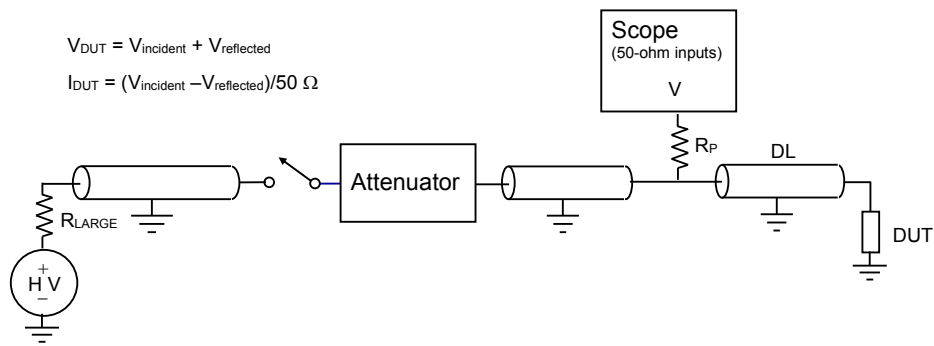


Figure 9: Time Domain Reflectometer (TDR-S) TLP

A.2.4 Time Domain Reflection and Transmission (TDRT) TLP Method

Figure 10 shows the time domain reflection and transmission (TDRT) TLP method. This method is a 100-ohm impedance system. Multiple reflections typically occur. ~~The maximum current is typically ≥ 10 amperes.~~ Two channels of an oscilloscope are used with a 50-ohm termination measuring the voltage V_1 and V_2 . The variable “a” is the attenuation factor. Example waveforms are shown in Figure 11.

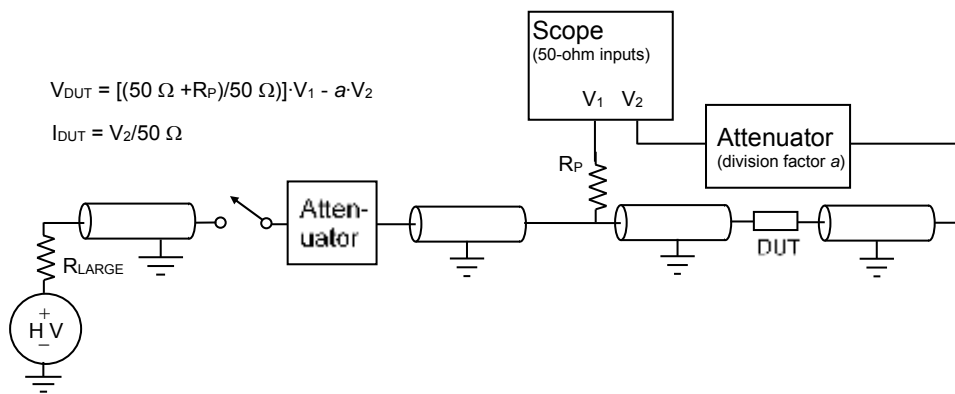


Figure 10: Time Domain Reflection and Transmission (TDRT) TLP

Errata for ANSI/IES LM-80-15: Approved Method: Measuring Luminous Flux and Color Maintenance of LED Packages, Arrays and Modules

This Errata replaces specified sections in document *ANSI/IES LM-80-15* based on the post-publishing practice and users' inputs.

Revised language:

6.1 DUT Photometric and Electrical Measurements

For chromaticity maintenance, the chromaticity shall be expressed in CIE 1976 (u' , v') coordinates. The change in chromaticity at a measurement interval at t hours shall be the geometric distance between the chromaticity at 0 hour (u'_0 , v'_0) and the chromaticity at t hours (u'_t , v'_t):

Original language for reference:

For chromaticity maintenance, the chromaticity shall be expressed in CIE 1976 (u' , v') coordinates. The change in chromaticity shall be calculated from chromaticity at 0 hour and chromaticity (u'_0 , v'_0) at 0 hours of (u'_t , v'_t) operation:

Substantive changes to current revision of BSR MH27.2-201X

October 26, 2016

1. Normative references to ASME B30-11, *Monorails and Underhung Cranes* have been changed to ASME B30-17, *Cranes and Monorails (With Underhung Trolley or Bridge)* throughout the document.

2. The definition to “Bearing Life” has changed as follows:

Original definition: “Bearing Life – B-10 Bearing Life: The B-10 bearing life of an anti-friction bearing is the minimum expected life, in hours, of 90% of a group of bearings that are operated at a given speed and loading.”

New definition: “bearing life – basic rating life, L10: The time at which 10% of a bearing population operating under the same conditions will have failed and 90% will have survived. The life is associated with a 10% probability of failure by the time calculated as defined in clause 3.6 in from ANSI/ABMA 9.”

3. Additional language has been added to the second paragraph of 4.1, Duty Service Classification – General, as shown (underlined below):

Unless otherwise specified, trolleys (carriers) and cranes shall be designed for "Duty Service" as defined in Table 1. Enclosed track systems can utilize a wide variety of lifting devices, many of which do not fall within the Duty Service classification guidelines outlined in Table 1, ANSI/ASME HST 4, Performance Standard for Overhead Electric Wire Rope Hoists or ANSI/ASME HST 1, Performance Standard for Electric Chain Hoists. The manufacturer shall ensure that the lifting device associated with an enclosed track monorail system is suitable for the intended usage or classification.

4. Under 7.2, Loading Cases, added:

7.2.3.4 Test Load

When a test load is required, the test load shall be 125% of the rated capacity.

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NSF/ANSI International Standard for Biosafety Cabinetry —

Biosafety Cabinetry: Design, Construction, Performance, and Field Certification

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3 Definitions

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3.8.2.1 class II type A1 cabinets (formerly designated type A): cabinets that

- maintain minimum average inflow velocity of 75 ft/min (0.38 m/s) through the work access opening;
- have HEPA/ULPA filtered downflow air that is a portion of the mixed downflow and inflow air from a common plenum (i.e., a plenum from which a portion of the air is exhausted from the cabinet and the remainder supplied to the work area);
- may exhaust HEPA/ULPA filtered air back into the laboratory or to the environment through an external exhaust system connected to the cabinet with a canopy connection; and
- have all biologically contaminated ducts and plenums under negative pressure or surrounded by negative pressure ducts and plenums.

~~Type A1 cabinets are not suitable for work with volatile chemicals and radionuclides.~~

If working with volatile chemicals, the unit must be connected to an external exhaust system. Type A1 cabinets may be used for work with volatile chemicals if permitted by a chemical risk assessment (Refer to Section E.3.1.3).

NOTE: Type A1 BSCs manufactured prior to 2010 are not suitable for work with volatile chemicals due to the contaminated positive pressured plenums that are not surrounded by negative pressure plenums.

3.8.2.2 class II, type A2 cabinets (when exhausted to the environment were formerly designated type B3): cabinets that

- maintain a minimum average inflow velocity of 100 ft/min (0.51 m/s) through the work access opening;

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- have HEPA/ULPA filtered downflow air that is a portion of the mixed downflow and inflow air from a common exhaust plenum;
- may exhaust HEPA/ULPA filtered air back into the laboratory or to the environment through an external exhaust system connected to the cabinet with a canopy connection; and
- have all biologically contaminated ducts and plenums under negative pressure or surrounded by negative pressure ducts and plenums.

~~Type A2 cabinets used for work with volatile chemicals and radionuclides required as an adjunct to microbiological studies must be exhausted through properly functioning exhaust canopies.~~

If working with volatile chemicals, the unit must be connected to an external exhaust system. Type A2 cabinets may be used for work with volatile chemicals if permitted by a chemical risk assessment (Refer to Section E.3.1.3).

Rationale: this language is now generic and consistent with the newly developed language for the type C1 BSC. This was broken into two sentences for clarity in response to ballot comments for earlier versions of the A1, A2, B1, and B2 definitions (unfinished business before the C1 issues was being addressed).

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3.8.2.3 class II type B1 cabinets: cabinets that

- maintain a minimum average inflow velocity of 100 ft/min (0.51 m/s) through the work access opening;
- have HEPA/ULPA filtered downflow air composed largely of uncontaminated recirculated inflow air;
- exhaust ~~most of the~~ contaminated downflow air from a region of the work area via an internal dedicated exhaust plenum and through HEPA/ULPA filter(s) to an external exhaust system through a dedicated duct connected to cabinet with a direct connection and exhausted to the atmosphere after passing through a HEPA/ULPA filter; and
- recirculate the balance of the downflow and inflow air through a supply HEPA/ULPA filter(s); and
- have all biologically contaminated ducts and plenums under negative pressure or surrounded by negative pressure ducts and plenums.

~~Type B1 cabinets may be used for work with volatile chemicals and radionuclides required as adjuncts to microbiological studies.~~

~~Type B1 cabinets may be used for work treated with volatile chemicals and radionuclides required as an adjunct to microbiological studies if work is done in the direct exhausted portion of the cabinet, or if the chemicals or radionuclides will not interfere with the work when recirculated in the downflow air.~~

Type B1 cabinets may be used for work with volatile chemicals if permitted by a chemical risk assessment

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(Refer to Section E.3.1.3).

Rationale: Making the B1 definition consistent with the A2 definition for work with volatiles.

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3.8.2.5 class II type C1 BSCs:

- maintain a minimum average inflow velocity of 100 ft/min (0.51 m/s) through the work access opening;
- have HEPA/ULPA filtered downflow air composed largely of uncontaminated recirculated inflow air;
- exhaust contaminated downflow air from a region of the work area via an internal dedicated exhaust plenum and blower, and then through HEPA/ULPA filter(s);
- recirculate the balance of the downflow and inflow air through a supply HEPA/ULPA filter(s);
- have all biologically contaminated ducts and plenums under negative pressure or surrounded by negative pressure ducts and plenums; and
- may exhaust HEPA/ULPA filtered air either back into the laboratory or via a canopy connection to an external system that exhausts to the atmosphere.

If working with volatile chemicals, the unit must be connected to an external exhaust system. Type C1 cabinets may be used for work with volatile chemicals if permitted by a chemical risk assessment (Refer to Section E.3.1.3).

Rationale: Making the C1 definition consistent with the formatting of the A and B cabinet definitions.

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11.2 Chemical resistance

Flow-through chemical feeders exposed to the applicable chemicals per Annex G, section G.1 for a test period of 100 d shall show no signs of erosion or structural deformation.

11.3 Hydrostatic pressure

Flow-through chemical feeders shall show no evidence of rupture, leakage, burst, or permanent deformation when subjected to a hydrostatic pressure 1.5 times the manufacturer's maximum pressure rating (see Annex G, section G.2). The unit tested shall be one that has been exposed in accordance with the chemical resistance test per Annex G, section G.1 for a test period of 100 d.

G.1.4 Chemical resistance test method

NOTE – The method described here is primarily intended for the testing of basic erosion-type flow-through chemical feeders. Some modification may be required when evaluating differing types of flow-through chemical feeder designs. However, the intent of the method shall be maintained when these modifications are made.

a) Install the flow-through chemical feeder in a flow loop, such that the discharge is into an open vented tank. The tank should be vented outside.

b) Fill the flow-through chemical feeder to the maximum level with the applicable chemicals, or subject feeder parts to the specified chemicals by immersion. If the chemical is a dry type, fill the feeder to the manufacturer's maximum recommended chemical level and then fill it to the maximum water level.

c) To ensure that the chemical solution is in contact with each surface that is to be exposed, the feeder should be installed below the water level in the tank.

d) Seal all inlet and outlet ports, with the exception of one port above the flood level to allow any generated gases to escape.

e) Expose the normally wetted parts to the chemical(s) for 100 d \pm 6 h, by flowing water through the chemical feeder.

f) Examine the feeder weekly and check for any signs of leakage, damage, or any other noticeable changes. Once the test period has elapsed, drain and examine the feeder.

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G.2.4 Hydrostatic pressure test method

NOTE –The method described here is primarily intended for the testing of basic erosion-type flow-through chemical feeders. Some modification may be required when evaluating differing types of flow-through chemical feeder designs. However, the intent of the method shall be maintained when these modifications are made.

- a) Install the feeder, **previously tested in Annex G, section G.1.4**, in accordance with the manufacturer's instructions.
- b) Fill the feeder with water conditioned to the applicable temperature specified in Annex G, section G.2.3, and bleed off any entrapped air.
- c) Uniformly increase the pressure to obtain 1.5 times the working pressure to the filter housing and components, and hold the pressure for no less than 5 min. Examine the feeder and components for signs of leakage during the test period.

Slowly release the pressure and examine the unit.

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NSF/ANSI International Standard
for Food Equipment —

Special purpose food equipment and devices

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2 Normative references

The following documents contain provisions that, through reference, constitute provisions of this NSF/ANSI Standard. At the time this Standard was balloted, the editions listed below were valid. All documents are subject to revision, and parties are encouraged to investigate the possibility of applying the recent editions of the documents indicated below. The most recent published edition of the document shall be used for undated references.

40 C.F.R. §180.940 *Tolerance exemptions for active and inert ingredients for use in antimicrobial formulations (Food-Contact Surface Sanitizing Solutions)*¹

ANSI Z97.1 – 2009. Safety Glazing Materials Used in Buildings – Safety Performance Specifications and Methods of Test²

ANSI/ASSE 1001 – 2008. *Atmospheric Type Vacuum Breakers*³

ANSI/ASSE 1020 – 2004. *Pressure Vacuum Breaker Assembly*³

ANSI/ASSE 1022 – 2003. *Backflow Preventer for Beverage Dispensing Equipment*³

ANSI/ASSE 1024 –2004. *Dual Check Backflow Preventers*³

ASSE 1032 – 2004. *Dual Check Valve Type Backflow Preventers for Carbonated Beverage Dispensers – Post Mix Type*³

IAPMO – *Uniform Plumbing Code* ~~2009~~⁴ **2015**

¹ U. S. Government Printing Office, Washington, DC 20402 <www.gpo.gov>.

² American National Standards Institute, 25 West 43rd Street, New York, NY 10036 <www.ansi.org>.

³ ASSE International Office, 901 Canterbury, Suite A, Westlake, OH 44145 **18927 Hickory Creek Drive, Suite 220, Mokena, Illinois 60448** <www.asse-plumbing.org>.

⁴ International Association of Plumbing and Mechanical Officials (IAPMO), 5001 E. Philadelphia St., Ontario, CA 91761 <www.iapmo.org>.

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ICC – *International Plumbing Code* 2009⁵ 2015

IEEE/ASTM SI 10 – 2010. *American National Standard for Metric Practice*⁶

NSF/ANSI 2. *Food equipment*

NSF/ANSI 4. *Commercial cooking, rethermalization, and powered hot food holding and transport equipment*

NSF/ANSI 7. *Commercial refrigerators and freezers*

NSF/ANSI 51. *Food equipment materials*

NSF/ANSI 170. *Glossary of food equipment terminology*

UL 197 – 2010. *Standard for Commercial Electrical Cooking Appliances*⁷

UL 471 – 2010. *Commercial Refrigerators and Freezers*⁷

Rationale: *Normative reference updates.*

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5 Design and construction

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5.18 Legs and feet

5.19 Casters and gliders

5.19.1 If used, casters and/or gliders shall comply with NSF/ANSI 2.

5.19.2 Shelving

Rationale: *This language provides boilerplate requirements for casters and gliders not currently provided in NSF/ANSI 169, and is consistent with language appearing in NSF/ANSI 2.*

⁵ International Code Council (ICC), 5203 Leesburg Pike, Suite 600; Falls Church, VA 22041 <www.iccsafe.org>.

⁶ ASTM International, 100 Barr Harbor, Dr., West Conshohocken, PA 19428 <www.astm.org>.

⁷ Underwriters Laboratories, Inc., 333 Pfingsten Road, Northbrook, IL 60062 <www.ul.com>.

BSR/UL 507, Standard for *Electric Fans***PROPOSAL**

8.3.1 The impeller of a stationary or permanently connected fan shall be constructed so that it cannot be contacted by the probe illustrated in Figure 8.2.

Exception No. 1: An impeller of an in-wall fan, or a plenum-mounted fan with the grille flush with the ceiling, is not required to be guarded when it is mounted at least 2.1 m (7 feet) above the floor and marked as specified in 63.4.

Exception No. 1A: An impeller of a wall- or ceiling- insert fan shall comply with 8.3.3 - 8.3.4.

Exception No. 2: An impeller of a stationary or permanently connected nonresidential fan is not required to be guarded when it is mounted at least 2.1 m (7 feet) above the floor and marked as specified in 63.4 and either 62.1.10 or 111.4.

Exception No. 3: Residential attic fans and whole house fans shall comply with 8.3.5 and 8.3.6.

Exception No. 4: Ceiling-suspended fans shall comply with Section 70.2 and 72.1.

Exception No. 5: Fans for use in cooking areas shall comply with 91.3.1 - 91.3.3.

Exception No. 6: The discharge side of duct connected fans as described in 8.3.7 need not comply with this requirement.

Exception No. 7: The air inlet and/or discharge side of stationary or permanently connected fans need not comply with this requirement if the side(s) is intended by design to be attached to the duct work as specified in the manufacturer's instructions.

PROPOSAL

146.1.2 With reference to 146.1.1, leads provided for power-supply connection of a downdraft fan may be brought out through factory-attached flexible conduit 0.91 - 1.80 m (3 - 6 feet) long. An outlet box or conduit fitting shall be provided at the free end of the conduit, or the conductor insulation at the free end of the conduit shall be protected from the sharp edges of the conduit during shipping by means of a tape wrap, a fiber bushing secured in place, or the equivalent.

PROPOSAL

36.1.3 Coil and winding temperatures are to be measured by the change-in-resistance method or by a minimum of four thermocouples located on exposed surfaces of the coil

windings, except the change-in-resistance method is to be used for a coil that is inaccessible for mounting of thermocouples, such as a coil:

- a) Immersed in sealing compound;
- b) Wrapped with thermal insulation; or
- c) Wrapped with more than two layers of material such as cotton, paper, or rayon having a total thickness of more than 0.8 mm (1/32 inch).

Exception: The requirement for a minimum of four thermocouples does not apply where physical size does not allow it.

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