ANSI STANDARDS ACTION

PUBLISHED WEEKLY BY THE AMERICAN NATIONAL STANDARDS INSTITUTE 25 West 43rd Street, NY, NY 10036

VOL. 50, #7 *February 15, 2019*

Contents

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

ISSN 0038-9633

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

X12 (X12 Incorporated) 30-Day Call for Comment Deadline: March 17, 2019

ANSI X12.1-2008 (R2013), *Transaction Set Tables*
A transaction set is the collection of data that is exchanged in order to convey meaning between the parties engaged in electronic data interchange. A transaction set is composed of a specific group of segments that represent a common business document (for example, a purchase order or an invoice). Each transaction set consists of the transaction set header (ST) as the first segment and contains at least one data segment before the transaction set trailer (SE).
Click here to view these changes in full.

Send comments (with copy to psa@ansi.org) to: info@x12.org

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ANSI X12.3-2008 (R2013), *Data Element Dictionary*
A data element can represent a qualifier, a value, or text (such as a description). Each data element is identified by a number used for reference in the Data Element Dictionary, which defines specifications for each simple data element.
Click here to view these changes in full.

Send comments (with copy to psa@ansi.org) to: info@x12.org

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ANSI X12.6-2004 (R2013), *X12.6 Application Control Structure*
This standard defines the structure of business transactions for computer-to-computer interchange. This structure is expressed using a symbolic representation of X12 data independent of the physical representation (e.g., character set encoding). The symbolic representation is expressed in terms of both the design and use of X12 structures.
Click here to view these changes in full.

Send comments (with copy to psa@ansi.org) to: info@x12.org

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ANSI X12.22-2008 (R2013), *Segment Directory*
A segment is the intermediate unit of information in a transaction set. Segments consist of logically related data elements in a defined sequence. Segments have a unique segment identifier that comprises the first characters of the segment.
Click here to view these changes in full.

Send comments (with copy to psa@ansi.org) to: info@x12.org

Comment Deadline: March 17, 2019

IIAR (International Institute of Ammonia Refrigeration)

New Standard

BSR/IIAR 6-201x, Standard for Inspection, Testing, and Maintenance of Closed-Circuit Ammonia Refrigeration Systems (new standard)

This standard specifies minimum requirements for inspection, testing, and maintenance of closed-circuit ammonia refrigeration systems. This standard is intended to assist individuals responsible for developing and implementing inspection, testing, and maintenance programs for facilities with stationary closed-circuit ammonia refrigeration systems using recognized and generally accepted good engineering practices (RAGAGEP).

Click here to view these changes in full

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

NECA (National Electrical Contractors Association)

New Standard

BSR/NECA 417-201X, Recommended Practice for Designing, Installing, Operating, and Maintaining Microgrids (new standard)

This Standard applies to microgrids and provides recommended practices for their design, installation, commissioning, operation, and maintenance.

Click here to view these changes in full

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

NSF (NSF International)

Revision

BSR/NSF 3-A 14159-1-201x (i8r1), Hygiene Requirements for the Design of Meat and Poultry Processing Equipment (revision of ANSI/NSF 3-A 14159-1-2014)

This NSF/ANSI/3-A Standard applies to equipment intended for use in the slaughter, processing, and packaging of meat and poultry products, excluding hand-held tools and mechanical belt conveyors. The requirements are to be applied by designers and manufacturers who in turn are to provide guidance to the users for the intended use of the equipment.

Click here to view these changes in full

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

BSR/NSF 3-A 14159-2-201x (i8r1), Hygiene Requirements for the Design of Hand-Held Tools Used in Meat and Poultry Processing (revision of ANSI/NSF 3-A 14159-2-2014)

This NSF/3-A/ANSI Standard applies to hand-held tools intended for use in the slaughter, processing, and packaging of meat and poultry products.

Click here to view these changes in full

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

BSR/NSF 3-A 14159-3-201x (i8r1), Hygiene Requirements for the Design of Mechanical Belt Conveyors Used in Meat and Poultry Processing (revision of ANSI/NSF 3-A 14159-3-2014)

This American National Standard applies to exposed product mechanical belt conveyors, either singularly or as a component of equipment, intended for use in the slaughter, processing, and packaging of meat and poultry products.

Click here to view these changes in full

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

BSR/NSF 5-201x (i9r1), Water Heaters, Hot Water Supply Boilers, and Heat Recovery Equipment (revision of ANSI/NSF 5-2016)

This Standard contains requirements for heat recovery equipment and equipment intended to provide hot water heated by electricity, gas, steam, or oil. The types of equipment covered by this Standard include, but are not limited to: automatic storage water heaters, circulating water heaters, hot water supply boilers, and steam heat exchangers. Instantaneous water heaters used to heat water other than for beverages are covered under this Standard.

Click here to view these changes in full

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

BSR/NSF 14-201x (i101r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2018)

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

Click here to view these changes in full

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

BSR/NSF 50-201x (i149r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2017)

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: jsnider@nsf.org

BSR/NSF 342-201x (i10r2), Sustainability assessment for wallcovering products (revision of ANSI/NSF 342-2014)

This sustainability standard establishes a consistent approach to the evaluation and determination of environmentally preferable and sustainable wallcovering manufacturing and distribution processes. The Standard includes relevant criteria across the product life cycle from raw material extraction through manufacturing, distribution, and end-of-life management. The scope of the standard includes the following wallcovering manufacturing processes:

- raw material inputs (fibers, resins, additives, colorants, and process chemicals);
- fabric or sheet formation;
- finishing treatments; and
- attachment systems.

The scope of the standard also includes the following wallcovering distribution processes:

- product distribution;
- recycling infrastructure support; and
- indoor air quality (IAQ).

As used in this Standard, “Wallcovering Manufacturing & Distribution” includes, but is not limited to textiles, vinyl, vinyl-coated, alternative polymer, alternative-polymer-coated, textiles, paper, and other natural fiber products. The Standard is applicable to products manufactured in one facility or multiple facilities, one country or multiple countries.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 823-201X, Standard for Safety for Electric Heaters for Use in Hazardous (Classified) Locations (revision of ANSI/UL 823 -2007 (R2016))

This proposal includes revisions to add a new 21.2A for Non-Drying Thickened Mineral Oil-Based Thread Sealant.

Click here to view these changes in full

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

BSR/UL 827-201x, Standard for Safety for Central-Station Alarm Services (revision of ANSI/UL 827-2018)

Document dated February 15, 2019 recirculates changes to paragraphs 11.7.4 (power supply) and 17.12.6 (remote access into the Central Station Automation System).

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Paul Lloret, (510) 319-4269, Paul.E.Lloret@ul.com

BSR/UL 1203-201X, Standard for Safety for Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations (revision of ANSI/UL 1203-2018)

This proposal includes revisions to align 42.1 with the wording in 16.1, and the addition of new 16.2A and 42.2A for Non-Drying Thickened Mineral Oil-Based Thread Sealant.

Click here to view these changes in full

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

BSR/UL 1247-201x, Standard for Diesel Engines for Driving Stationary Fire Pumps (revision of ANSI/UL 1247-2014)

(1) Generator or alternator output current, (2) Revisions to clarify requirements and update test details, (3) Revision to over-current protection criteria, (4) Revision to ECM and switching equipment criteria, (5) High engine temperature alarm delay on engine restarts, and (6) Electrically operated speed control for mechanical fuel injected engines.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Griff Edwards, (919) 549-0956, griff.edwards@ul.com

Comment Deadline: April 1, 2019

ADA (American Dental Association)

New National Adoption

BSR/ADA Standard No. 178-201x, Orthodontic Anchor Screws (identical national adoption of ISO 19023:2018)

This standard specifies requirements and test methods for orthodontic anchor screws used in orthodontic treatment. The standard provides test methods for the comparison of physical and mechanical properties of orthodontic anchor screws and packaging and labelling information.

Single copy price: $25.00

Obtain an electronic copy from: standards@ada.org

Order from: wardm@ada.org

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

BSR/ADA Standard No. 35-201x, Dental Handpieces and Motors (identical national adoption of ISO 14457:2017)

This standard specifies requirements and test methods for handpieces and motors used in dentistry.

Single copy price: $25.00

Obtain an electronic copy from: standards@ada.org

Order from: wardm@ada.org

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

ADA (American Dental Association)

New Standard

BSR/ADA Standard No. 1084-201x, Reference Core Data Set for Communication Among Dental and Other Health Information Systems (new standard)

The report provides a technical specification to extract, format, and transmit essential patients' demographic and dental and medical encounter and clinical data between one dental information system to another dental or medical health information system to support key syntactic and semantic information exchange.

Single copy price: $25.00

Obtain an electronic copy from: standards@ada.org

Order from: wardm@ada.org

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

ADA (American Dental Association)

Reaffirmation

BSR/ADA Standard No. 122-2007 (R201x), Dental Casting and Baseplate Waxes (reaffirm a national adoption ANSI/ADA Standard No. 122-2007 (R2013))

This standard is applicable to dental casting wax and dental baseplate wax. It specifies the classification and requirements of dental casting and baseplate waxes, together with the test methods to be used to determine compliance with these requirements.

Single copy price: $25.00

Obtain an electronic copy from: standards@ada.org

Order from: wardm@ada.org

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

ADA (American Dental Association)

Withdrawal

ANSI/ADA Standard No. 85-Part 1-2004 (R2009), Disposable Prophy Angles (withdrawal of ANSI/ADA Standard No. 85-Part 1-2004 (R2009))

This standard provides general requirements for the safety and efficacy of disposable prophy angles suitable for use in dentistry in conjunction with a doriot-style handpiece.

Single copy price: $25.00

Obtain an electronic copy from: standards@ada.org

Order from: wardm@ada.org

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

AMCA (Air Movement and Control Association)

Revision

BSR/AMCA Standard 205-201x, Energy Efficiency Classification for Fans (revision and redesignation of ANSI/AMCA 205-2012)

This standard defines the energy efficiency classification for fans. The scope includes fans having an impeller diameter of 125 mm (5 in) or greater, operating with an impeller shaft power of 750 W (1 hp) and above, and having a fan total efficiency calculated according to one of the following fan test standards: ANSI/AMCA Standard 210, ANSI/AMCA Standard 230, or AMCA Publication 260

Single copy price: $90.00 (Non-Members); $45.00 (AMCA Members)

Obtain an electronic copy from: emoore@amca.org

Order from: Erin Moore, (847) 704-6285, emoore@amca.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

BSR ATIS 0700724-2014 (R201x), UMTS Handover Interface for Lawful Interception (reaffirmation of ANSI ATIS 0700724-2014)

This standard is based on 3GPP TS33.108, modified to become an American National Standard for Telecommunications. Laws of individual nations and regional institutions (e.g., European Union), and sometimes licensing and operating conditions, define a need to intercept telecommunications traffic and related information in modern telecommunications systems. It has to be noted that lawful interception shall always be done in accordance with the applicable national or regional laws and technical regulations. Nothing in this standard, including the definitions, is intended to supplant national law.

Single copy price: $275.00

Obtain an electronic copy from: cbagwill@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR ATIS 0700711-1999 (S201x), Number Portability for PCS 1900 Short Message Service and Other Services (stabilized maintenance of ANSI ATIS 0700711-1999 (R2014))

This standard defines the PCS 1900 requirements needed to support Short Message Service and other Services in a Number Portability environment. This standard ensures that Short Message Service Point-to-Point (SMS-PP) works for all subscribers in a PCS 1900 Number Portability environment regardless of whether the subscriber has ported or not.

Single copy price: $145.00

Obtain an electronic copy from: cbagwill@atis.org

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

AWWA (American Water Works Association)

Revision

BSR/AWWA B703-201x, Fluorosilicic Acid (revision, redesignation and consolidation of ANSI/AWWA B703-2011, ANSI/AWWA B703a -2013)

This standard describes fluorosilicic acid (H2SiF6) for use in the treatment of potable water.

Single copy price: Free of charge

Obtain an electronic copy from: ETSsupport@awwa.org

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

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

CSA (CSA America Standards Inc.)

Revision

BSR Z21.72-201x, Portable Type Gas Camp Stoves (same as CSA 11.2) (revision of ANSI Z21.72-2015)

Details test and examination criteria for portable camp cook stoves for use with propane HD-5 only, having input ratings of 12,000 Btu per hour or less and intended for use both indoors in adequately ventilated structures and outdoors. This standard applies to stoves designed for self-contained fuel supplies using fuel cylinders of not more than 75 cubic inches (2-1/2 pounds nominal water capacity).

Single copy price: Free

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

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

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

IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

Revision

BSR/IAPMO Z1088-201x, Pre-Pressurized Water Expansion Tanks (revision of ANSI/IAPMO Z1088-2013)

This Standard covers pre□pressurized water expansion tanks intended for use in potable non□potable water systems and specifies requirements for physical characteristics, performance testing, and markings.

Single copy price: $10.00

Obtain an electronic copy from: https://iapmomembership.org/index.php?page=shop.product_details&flypage=flypage_iapmo.tpl&product_id=1277&category_id=71&keyword=Z1088&option=com_virtuemart&Itemid=3&redirected=1&Itemid=3

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

IES (Illuminating Engineering Society)

New Standard

BSR/IES RP-39-201x, Recommended Practice: Off Roadway Sign Luminance (new standard)

These recommendations provide guidelines only for the lighting of signs that are located off the right of way of roadways - in other words, all signs not regulated by a federal, state, provincial, or local jurisdiction - and includes on- and off-premise, internally and externally illuminated, and electronic signs. For recommendations for roadway signs used for vehicle or pedestrian navigation, the reader is referred to IES RP-19-01, Recommended Practice for Roadway Sign Lighting.

Single copy price: $25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

Order from: Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org

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

ISEA (International Safety Equipment Association)

Reaffirmation

BSR/ISEA Z89.1-2014 (R201x), Industrial Head Protection (reaffirmation of ANSI/ISEA Z89.1-2014)

This standard establishes minimum performance requirements for protective helmets that reduce the forces of impact and penetration and that may provide protection from electrical shock and includes product assessment for optional features. It also assigns type and class designations based on product performance and defines product markings for head protection products compliant with the performance requirements.

Single copy price: $30.00

Obtain an electronic copy from: https://safetyequipment.org/resources/shop/

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

OPEI (Outdoor Power Equipment Institute)

Reaffirmation

BSR/OPEI B175.2-2012 (R201x), Standard for Outdoor Power Equipment - Internal Combustion Engine-Powered Handheld and Backpack Blowers and Blower-Vacuums - Safety Requirements and Performance Testing Procedures (reaffirmation of ANSI/OPEI B175.2-2012, ANSI/OPEI B175.2-2012/A1-2013)

This standard establishes requirements for handheld and backpack internal combustion engine-powered blowers and blower-vacuums. The standard does not apply to rid-on, towed, or walk-behind units. The purpose of the standard is to establish manufacturer requirements to reduce the risk of injury associated with the use of these products.

Single copy price: Free

Obtain an electronic copy from: gknott@opei.org

Order from: Greg Knott, gknott@opei.org

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

PLASTICS (Plastics Industry Association)

New Standard

BSR/PLASTICS B151.5-201x, Safety Requirements for Plastic Film and Sheet Winding and Unwinding Machinery (new standard)

The primary objective of this standard is to minimize hazards to personnel associated with machine activity by establishing requirements for the manufacture, care, and use of these machines. The requirements of this standard shall apply to all film/sheet winding, slitter rewinding, and unwinding machinery (Machinery). This standard does not include the material handling of material to be loaded or unloaded onto the winders. Machinery suppliers and users shall use the risk assessment process in the manufacture, maintenance, and use of the Machinery to eliminate or reduce risk.

Single copy price: Free

Obtain an electronic copy from: mhayes@plasticsindustry.org

Order from: N/A

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

SCTE (Society of Cable Telecommunications Engineers)

New Standard

BSR/SCTE 250-201x, Real-Time Event Signaling and Management API (new standard)

This document details the interfaces between a Signal Acquisition System (SAS) and a Signal Decision System (SDS) in order to support signal and manifest processing. The APIs support synchronous signal processing, asynchronous signal processing, and processing of both linear and file-based content.

Single copy price: $50.00

Obtain an electronic copy from: admin@standards.scte.org

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

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

BSR/SCTE 254-201x, Content Encoding Profiles 3.0 Specification (Closed Specification) (new standard)

This document defines the content specifications for use with encoding systems, asset management, and distribution. It does not define a distribution method nor define all aspects of the cable system infrastructure that content may encounter during distribution and playback.

Single copy price: $50.00

Obtain an electronic copy from: admin@standards.scte.org

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

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

SCTE (Society of Cable Telecommunications Engineers)

Revision

BSR/SCTE 118-1-201x, Program-Specific Ad Insertion - Data Field Definitions, Functional Overview and Application Guidelines (revision of ANSI/SCTE 118-1-2012)

This document defines functionality associated with and the messaging used to control Program-Specific Ad Insertion. Program-Specific Ad Insertion is the scheduling and insertion of a Spot into a digital broadcast Program based on the program identifier passed in the SCTE 35 Cue Message. The usage of specific data fields defined in SCTE 35 are defined in this document.

Single copy price: $50.00

Obtain an electronic copy from: admin@standards.scte.org

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

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

BSR/SCTE 118-2-201x, Program-Specific Ad Insertion - Content Provider to Traffic Communication Applications Data Model (revision of ANSI/SCTE 118-2-2012)

This document describes the information that is required to communicate the Program and Avail structure from a content provider (Network) to an Affiliate's SCTE 35 compliant Traffic System. Additionally, this document describes the information required to comply with the Tier 0, Tier 1, and Tier 2 Program-Specific Ad Insertion models as defined by SCTE 118-1.

Single copy price: $50.00

Obtain an electronic copy from: admin@standards.scte.org

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

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

BSR/SCTE 118-3-201x, Program-Specific Ad Insertion - Traffic System to Ad Insertion System File Format Specification (revision of ANSI/SCTE 118-3-2012)

This document defines the information that shall be passed from an Affiliate's Traffic System to an Affiliate's Ad Insertion System for communications of ad insertion schedules, including Unique Program Identifiers where specified. It specifies the required data for multi-tiered, Program-Specific Insertion, as well as the file format for the data communications.

Single copy price: $50.00

Obtain an electronic copy from: admin@standards.scte.org

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

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

TIA (Telecommunications Industry Association)

Withdrawal

ANSI J-STD-036-C-1-2013, Enhanced Wireless 9-1-1 Phase II (withdrawal of ANSI J-STD-036-C-1-2013)

This addendum is being created to assign two POSOUR codes to be used in association with two new CoS indicators for to support text to 911 and small fixed cells.

Single copy price: $79.00

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 60079-29-1-201X, Standard for Safety for Explosive Atmospheres - Part 29-1: Gas Detectors - Performance Requirements of Detectors for Flammable Gases (national adoption of IEC 60079-29-1 with modifications and revision of ANSI/ISA 60079-29-1 (12.13.01)-2013)

This proposal provides revisions to the proposal document dated November 9, 2018 for the Adoption of IEC 60079-29-1 Explosive Atmospheres - Part 29-1: Gas Detectors - Performance Requirements of Detectors for Flammable Gases (second edition, issued by IEC July 2016) as a new IEC-based UL standard, UL 60079-29-1 to the applicable requirements per comments received.

Single copy price: Free

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

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

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 3100-201x, Standard for Safety for Automated Guided Vehicles (AGVs) (new standard)

This proposal provides revisions to the proposal document dated September 21, 2018 for this first edition of the Standard for Automated Guided Vehicles (AGVs), ANSI/CAN/UL 3100. to the applicable requirements per comments received.

Single copy price: Free

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

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 80-2009 (R201x), Standard for Safety for Steel Tanks for Oil-Burner Fuels and Other Combustible Liquids (reaffirmation of ANSI/UL 80-2009 (R2014))

These requirements cover steel primary, steel secondary, and steel-diked type atmospheric storage tanks from 60 to 660 gallons (227 to 2500 L) intended primarily for the storage and supply of heating fuels for oil burning equipment, or alternately for the storage of diesel fuels for compression ignition engines and motor oils (new and used) for automotive service stations, in aboveground applications.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Jeff Prusko, (847) 664-3416, jeffrey.prusko@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 471-201X, Standard for Safety for Commercial Refrigerators and Freezers (revision of ANSI/UL 471-2018)

Revise UL 471 to adopt requirements covering (1) Stirling engine refrigeration systems and (2) lab refrigerators with an outlet in the refrigerated compartment.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Alan McGrath, (847) 664-3038, alan.t.mcgrath@ul.com

BSR/UL 746C-201x, Standard for Safety for Polymeric Materials - Use in Electrical Equipment Evaluations (revision of ANSI/UL 746C -2018)

This proposal for UL 746C covers the following topics: (1) Inclusion of a Weathering Test program for non-enclosure/elastomeric/film materials, and (2) Consideration of hygroscopic materials in the UV Light Exposure and Water Immersion Test.

Single copy price: Free

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

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

BSR/UL 797-201X, Standard for Electrical Metallic Tubing - Steel (revision of ANSI/UL 797-2012 (R2017))

(1) Annex A, Normative References, update; (2) Interpretation of Flammability Test result for a thin nonmetallic topcoat (outermost layer) of an alternate corrosion protection system; (3) Clarification of elbow and bend radius requirements, removal of the term “Mandrel”, removal of Figure 2 and addition of the exemption for supplementary coatings from the Bend Test to better align with RMC standard, and editorial changes.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Joshua Johnson, (919) 549-1053, Joshua.Johnson@ul.com

Comment Deadline: April 16, 2019

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B107.4-201x, Driving and Spindle Ends for Portable Hand, Impact, Air, and Electric Tools (Percussion Tools Excluded) (revision and redesignation of ANSI/ASME B107.4M-2005 (R2011))

This Standard applies to portable power tools for drilling, grinding, polishing, sawing, and driving threaded fasteners, and hand tools for driving threaded fasteners. This Standard includes dimensions and tolerances for both driving and driven elements where such coordination is important and not established by reference to the pertinent American National Standards.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: Daniel Papert, (212) 591-7526, papertd@asme.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:

AAMI (Association for the Advancement of Medical Instrumentation)

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

Inquiries may be directed to Cliff Bernier, (703) 253-8263, cbernier@aami.org

ASTM (ASTM International)

BSR/ASTM E2073-200x, Test Method for Photopic Luminance of Photoluminescent (Phosphorescent) Markings (revision of ANSI/ASTM E2073-2007)

BSR/ASTM F2747-2010 (R201x), Guide for Construction of Sand-Based Rootzones for Golf Putting Greens and Tees (reaffirmation of ANSI/ASTM F2747-2010)

Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

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

AAMI (Association for the Advancement of Medical Instrumentation)

ANSI/AAMI/ISO 5359-2003, Low-pressure hose assemblies for use with medical gases

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

ANSI/AAMI/ISO 18472-2010 (R2015), Sterilization of Health Care Products - Biological and Chemical Indicators - Test Equipment

Questions may be directed to: Cliff Bernier, (703) 253-8263, cbernier@aami.org

ASTM (ASTM International)

ANSI/ASTM F2797-2010, Test Method for Edge Cleaning Performance of Vacuum Cleaners

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

Call for Members (ANS Consensus Bodies)

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

IES (Illuminating Engineering Society)

Office: 120 Wall Street, Floor 17
New York, NY 10005

Contact: *Patricia McGillicuddy*

Phone: (917) 913-0027

E-mail: pmcgillicuddy@ies.org

BSR/IES LP-xx-201x (IoT), Lighting Practice: Lighting Systems and the Internet of Things (new standard)

BSR/IES LS-5-201x, Lighting Science: Color (new standard)

BSR/IES LM-9-201x, Approved Method: Electrical and Photometric Measurement of Fluorescent Lamps (new standard)

BSR/IES LM-10-201x, Approved Method: Photometric Testing of Roadway and Area Lighting Fluorescent Luminaires (new standard)

BSR/IES LM-11-201x, Approved Method: Guide for Photometric Testing of Searchlights (new standard)

BSR/IES LM-20-201x, Approved Method: Photometry of Reflector Type Lamps (new standard)

BSR/IES LM-31-201x, Approved Method: Photometric Testing of Roadway and Area Lighting Luminaires Using Incandescent Filament or High Intensity Discharge Lamps (new standard)

BSR/IES LM-35-201x, Approved Method: Photometric Testing of Floodlights Using High Intensity Discharge or Incandescent Filament Lamps (new standard)

BSR/IES LM-40-201x, Approved Method: Life Testing of Fluorescent Lamps (new standard)

BSR/IES LM-46-201x, Approved Method: Photometric Testing of Indoor Luminaires Using High Intensity Discharge or Incandescent Filament Lamps (new standard)

BSR/IES LM-49-201x, Approved Method: Life Testing of Incandescent Filament Lamps (new standard)

BSR/IES LM-51-201x, Approved Method: Electrical and Photometric Measurement of High Intensity Discharge Lamps (new standard)

BSR/IES LM-54-201x, Approved Method: Guide to Lamp Seasoning (new standard)

BSR/IES LM-58-201x, Approved Method: Spectroradiometric Measurement Methods for Light Sources (new standard)

BSR/IES LM-75-201x, Approved Method: Guide to Goniometer Measurements, Types, and Photometric Coordinate Systems. (new standard)

BSR/IES LM-77-201x, Approved Method: Intensity Distribution Measurement of Luminaires and Lamps Using Digital Screen Imaging Photometry (new standard)

BSR/IES LM-78-201x, Approved Method: Total Flux Measurement of Lamps Using an Integrating Sphere (new standard)

BSR/IES RP-xx-201x, Recommended Practice: Lighting Theatre and Auditorium Spaces (new standard)

BSR/IES RP-39-201x, Recommended Practice: Off Roadway Sign Luminance (new standard)

BSR/IES TM-xx-SG-201x, Approved Method: Estimating Sky Glow Contributions from End-Uses (new standard)

BSR/IES TM-BIM-201x, Lighting Practice: Building Information Management (new standard)

BSR/IES TM-15-201x, Approved Method: Luminaire Classification System for Outdoor Luminaires (new standard)

ISEA (International Safety Equipment Association)

Office: 1901 North Moore Street
Suite 808
Arlington, VA 22209

Contact: *Cristine Fargo*

Phone: (703) 525-1695

E-mail: cfargo@safetyequipment.org

BSR/ISEA Z89.1-2014 (R201x), Industrial Head Protection (reaffirmation of ANSI/ISEA Z89.1-2014)

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

Office: 1101 K Street, NW
Suite 610
Washington, DC 20005-3922

Contact: *Barbara Bennett*

Phone: (202) 737-8888

E-mail: comments@standards.incits.org

INCITS 566-201x, Information technology - SCSI Primary Commands - 6 (SPC-6) (new standard)

INCITS 567-201x, Information technology - Serial Attached SCSI - 4.1 (SAS 4.1) (new standard)

NECA (National Electrical Contractors Association)

Office: 3 Bethesda Metro Center
Suite 1100
Bethesda, MD 20814

Contact: *Aga Golriz*

Phone: (301) 215-4549

E-mail: Aga.golriz@necanet.org

BSR/NECA 417-201X, Recommended Practice for Designing, Installing, Operating, and Maintaining Microgrids (new standard)

NEMA (ASC C29) (National Electrical Manufacturers Association)

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

Contact: *Gerard Winstanley*

Phone: (703) 841-3231

E-mail: Gerard.Winstanley@Nema.org

BSR C29.17-201x, Standard for Composite Insulators Transmission Line Post Type (revision of ANSI C29.17-2013)

NEMA (ASC C50) (National Electrical Manufacturers Association)

Office: 1300 N 17th St, Suite 900
Rosslyn, VA 22209

Contact: *Mike Leibowitz*

Phone: (703) 841-3264

E-mail: mike.leibowitz@nema.org

BSR C50.41-201x, Polyphase Induction Motors for Power Generating Stations (revision of ANSI C50.41-2012)

NEMA (ASC C84) (National Electrical Manufacturers Association)

Office: 1300 North 17th Street
Rosslyn, VA 22209

Contact: *Khaled Masri*

Phone: (703) 841-3278

E-mail: Khaled.Masri@nema.org

BSR C84.1-201x, Standard for Electric Power Systems and Equipment Voltage Ratings (60 Hertz) (revision of ANSI C84.1-2016)

NSF (NSF International)

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

Contact: *Allan Rose*

Phone: (734) 827-3817

E-mail: arose@nsf.org

BSR/NSF 3-A 14159-1-201x (i8r1), Hygiene Requirements for the Design of Meat and Poultry Processing Equipment (revision of ANSI/NSF 3-A 14159-1-2014)

BSR/NSF 3-A 14159-2-201x (i8r1), Hygiene Requirements for the Design of Hand Held Tools Used in Meat and Poultry Processing (revision of ANSI/NSF 3-A 14159-2-2014)

BSR/NSF 3-A 14159-3-201x (i8r1), Hygiene Requirements for the Design of Mechanical Belt Conveyors Used in Meat and Poultry Processing (revision of ANSI/NSF 3-A 14159-3-2014)

BSR/NSF 5-201x (i9r1), Water Heaters, Hot Water Supply Boilers, and Heat Recovery Equipment (revision of ANSI/NSF 5-2016)

BSR/NSF 14-201x (i101r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2018)

BSR/NSF 50-201x (i149r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2017)

BSR/NSF 342-201x (i10r2), Sustainability assessment for wallcovering products (revision of ANSI/NSF 342-2014)

OEOSC (ASC OP) (Optics and Electro-Optics Standards Council)

Office: c/o Triptar Lens Company, Inc.
439 Monroe Avenue
Rochester, NY 14607

Contact: *Allen Krisiloff*

Phone: (585) 473-4470

E-mail: allen@oeosc.org

BSR OP7.001-201x, Optics and Electro-Optical Instruments - Laser Induced Surface Damage (new standard)

PLASTICS (Plastics Industry Association)

Office: 1425 K Street NW, Suite 500
Washington, DC 20005

Contact: *Megan Hayes*

Phone: (202) 974-5217

E-mail: mhayes@plasticsindustry.org

BSR/PLASTICS B151.5-201x, Safety Requirements for Plastic Film and Sheet Winding and Unwinding Machinery (new standard)

TIA (Telecommunications Industry Association)

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

Contact: *Teesha Jenkins*

Phone: (703) 907-7706

E-mail: standards@tiaonline.org

ANSI J-STD-036-C-1-2013, Enhanced Wireless 9-1-1 Phase II (withdrawal of ANSI J-STD-036-C-1-2013)

BSR/TIA 598-E-201x, Optical Fiber, Cable, and Component Color Coding (revision and redesignation of ANSI/TIA 598-D-2014)

UL (Underwriters Laboratories, Inc.)

Office: 333 Pfingsten Road
Northbrook, IL 60062

Contact: *Megan Monsen*

Phone: (847) 664-1292

E-mail: megan.monsen@ul.com

BSR/UL 3100-201x, Standard for Safety for Automated Guided Vehicles (AGVs) (new standard)

X12 (X12 Incorporated)

Office: 24654 N. Lake Pleasant Pkwy.
Suite 103 #275
Peoria, AZ 85383

Contact: *Cathy Sheppard*

Phone: (703) 970-4480

E-mail: info@ascx12.org

ANSI X12.1-2008 (R2013), Transaction Set Tables (reaffirmation of ANSI X12.1-2008)

ANSI X12.3-2008 (R2013), Data Element Dictionary (reaffirmation of ANSI X12.3-2008)

ANSI X12.6-2004 (R2013), X12.6 Application Control Structure (reaffirmation of ANSI X12.6-2004 (R2008))

ANSI X12.22-2008 (R2013), Segment Directory (reaffirmation of ANSI X12.22-2008)

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.

AAFS (American Academy of Forensic Sciences)

New Standard

ANSI/ASB Std 006-2019, Best Practice Recommendation for DNA Analysis for Human Identification in Mass Fatality Incidents (new standard): 2/5/2019

ANSI/ASB Std 009-2019, Examination of Human Remains by Forensic Pathologists in the Disaster Victim Identification Context (new standard): 2/5/2019

ANSI/ASB Std 045-2019, Standard for Stature Estimation in Forensic Anthropology (new standard): 2/8/2019

AGA (ASC B109) (American Gas Association)

Revision

ANSI B109.3-2019, Rotary-Type Gas Displacement Meters (revision of ANSI B109.3-2000 (R2008)): 2/5/2019

ANS (American Nuclear Society)

Reaffirmation

ANSI/ANS 5.1-2014 (R2019), Decay Heat Power in Light Water Reactors (reaffirmation of ANSI/ANS 5.1-2014): 2/5/2019

ASABE (American Society of Agricultural and Biological Engineers)

Revision

ANSI/ASABE S639.2-FEB2019, Safety Standard for Large Row-Crop Flail Mowers (revision and redesignation of ANSI/ASABE S639.1-SEP2017): 2/5/2019

ASC X9 (Accredited Standards Committee X9, Incorporated)

Reaffirmation

ANSI X9.106-2003/ISO 18245 (R2019), Retail Financial Services - Merchant Category Codes (reaffirm a national adoption ANSI X9.106-2003/ISO 18245 (R2013)): 2/8/2019

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME POM 101-2013 (R2019), Performance Related Outage Inspections (reaffirmation of ANSI/ASME POM 101-2013): 2/5/2019

ASSP (ASC A10) (American Society of Safety Professionals)

Revision

ANSI/ASSP A10.8-2019, Scaffolding - Safety Requirements (revision and redesignation of ANSI ASSE A10.8-2011): 2/7/2019

ASTM (ASTM International)

New Standard

ANSI/ASTM E2874-2019, Test Method for Determining the Fire Performance of Building Perimeter Containment Systems Due to External Spread of Fire (new standard): 2/1/2019

ANSI/ASTM F1734-2019, Practice for Qualification of a Combination of Squeeze Tool, Pipe, and Squeeze-Off Procedures to Avoid Long-Term Damage in Polyethylene (PE) Gas Pipe (new standard): 1/22/2019

Reaffirmation

ANSI/ASTM D1094-2007 (R2019), Test Method for Water Reaction of Aviation Fuels (reaffirmation of ANSI/ASTM D1094-2007 (R2013)): 2/1/2019

ANSI/ASTM E29-2013 (R2019), Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications (reaffirmation of ANSI/ASTM E29-2013): 1/22/2019

ANSI/ASTM E1663-2003 (R2019), Classification for Serviceability of an Office Facility for Typical Office Information Technology (reaffirmation of ANSI/ASTM E1663-2003 (R2010)): 1/22/2019

Revision

ANSI/ASTM D2846-2019, Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Hot- and Cold-Water Distribution Systems (revision of ANSI/ASTM D2846-2017): 2/1/2019

ANSI/ASTM E136-2019, Test Method for Behavior of Materials in a Vertical Tube Furnace at 750C (revision of ANSI/ASTM E136-2016): 2/1/2019

ANSI/ASTM E927-2019, Specification for Solar Simulation for Photovoltaic Testing (revision of ANSI/ASTM E927-2010 (2015)): 2/1/2019

ANSI/ASTM E3048-2019, Test Method for Determination of Time to Burn-Through Using the Intermediate Scale Calorimeter (ICAL) Radiant Panel (revision of ANSI/ASTM E3048-2017): 2/1/2019

ANSI/ASTM F1290-2019, Practice for Electrofusion Joining Polyolefin Pipe and Fittings (revision of ANSI/ASTM F1290-2017): 1/22/2019

ANSI/ASTM F2165-2019, Specification for Flexible Pre-Insulated Piping (revision of ANSI/ASTM F2165-2017): 1/22/2019

ANSI/ASTM F2206-2019, Specification for Fabricated Fittings of Butt-Fused Polyethylene (PE) (revision of ANSI/ASTM F2206-2017): 1/22/2019

AWS (American Welding Society)

New Standard

ANSI/AWS A5.17/A5.17M-2019, Specification for Carbon Steel Electrodes and Fluxes for Submerged Arc Welding (new standard): 2/5/2019

BICSI (Building Industry Consulting Service International)

Revision

ANSI/BICSI 002-2019, Data Center Design and Implementation Best Practices (revision of ANSI/BICSI 002-2014): 2/8/2019

BOMA (Building Owners and Managers Association)

Revision

ANSI/BOMA Z65.3-2018, Gross Areas of a Building: Standard Methods of Measurement (revision of ANSI/BOMA Z65.3-2009): 2/8/2019

CSA (CSA America Standards Inc.)

Reaffirmation

ANSI HGV 3.1-2014 (R2019), Fuel system components for compressed hydrogen gas powered vehicles (reaffirmation of ANSI/CSA HGV 3.1-2014): 2/5/2019

ANSI/CSA HGV 4.2-2013 (R2019), Standard for hoses for compressed hydrogen fuel stations, dispensers and vehicle fuel systems (reaffirmation of ANSI/CSA HGV 4.2-2013): 2/5/2019

ANSI/CSA HGV 4.10-2012 (R2019), Standard for fittings for compressed hydrogen gas and hydrogen rich gas mixtures (reaffirmation of ANSI/CSA HGV 4.10-2012): 2/5/2019

Revision

ANSI Z21.18-2019, Gas Appliance Pressure Regulators (same as CSA 6.3-201x) (revision of ANSI Z21.18-2007 (R2017), ANSI Z21.18a-1010 (R2017), and ANSI Z21.18b-2012 (R2017)): 2/4/2019

ANSI Z21.80-2019, Line Pressure Regulators (same as CSA 6.22 -201x) (revision and redesignation of ANSI Z21.80-2011 (R2016), ANSI Z21.80a-2012 (R2016)): 2/4/2019

ECIA (Electronic Components Industry Association)

New Standard

ANSI/EIA 166-A-2019, Miniature Waveguide Flanges, Unpressurized Contact Type (CMR 90 to CMR 284) (new standard): 2/5/2019

ANSI/EIA 198-3-6-F-2019, Ceramic Dielectric Capacitors Classes I, II, III, and IV, Part III: Section 6: Axial-Leaded Capacitors, Conformally Coated and Molded Types (new standard): 2/5/2019

ANSI/EIA 271-B-2019, Waveguide Flanges - Pressurizeable Contact Types for Waveguide Sizes WR90 to WR2300 (new standard): 2/5/2019

ANSI/EIA 285-A-2019, Waveguide Flanges - Dual Contact Pressurizeable and Miniature Type for Waveguide Sizes WR90 to WR975 (new standard): 2/5/2019

ANSI/EIA 304-A-2019, Rigid Waveguides (new standard): 2/5/2019

Reaffirmation

ANSI/EIA 364-01B-2000 (R2019), Acceleration Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-01B-2000 (R2012)): 2/5/2019

ANSI/EIA 364-07C-2007 (R2019), Contact Axial Concentricity Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364 -07C-2007 (R2012)): 2/5/2019

ANSI/EIA 364-22B-2000 (R2019), Simulated Life Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-22B-2000 (R2012)): 2/5/2019

ANSI/EIA 364-36B-2006 (R2019), Determination of Gas-Tight Characteristics Test Procedure for Electrical Connectors, and/or Contact Systems (reaffirmation of ANSI/EIA 364-36B-2006 (R2013)): 2/5/2019

Revision

ANSI/EIA 364-20F-2019, Dielectric Withstanding Voltage Test Procedure for Electrical Connectors, Sockets and Coaxial Contacts (revision and redesignation of ANSI/EIA 364-20E-2015): 2/5/2019

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

New Standard

INCITS 534-2019, Information technology - Serial Attached SCSI-4 (SAS-4) (new standard): 2/8/2019

Reaffirmation

INCITS/ISO/IEC 19794-9:2011 [R2018], Information technology - Biometric data interchange formats - Part 9: Vascular image data (reaffirm a national adoption INCITS/ISO/IEC 19794-9:2011 [2013]): 12/31/2018

INCITS/ISO/IEC 2022:1994 [R2018], Information technology - Character code structure and extension techniques (reaffirm a national adoption INCITS/ISO/IEC 2022:1994 [R2013]): 12/31/2018

ITSDF (Industrial Truck Standards Development Foundation, Inc.)

Reaffirmation

ANSI/ITSDF B56.10-2012 (R2019), Manually Propelled High Lift Industrial Trucks (reaffirmation of ANSI/ITSDF B56.10-2012): 2/7/2019

NETA (InterNational Electrical Testing Association)

Revision

ANSI/NETA MTS-2019, NETA Standard for Maintenance Testing Specifications for Electrical Power Equipment and Systems (revision of ANSI/NETA MTS-2015): 2/4/2019

NFPA (National Fire Protection Association)

Revision

ANSI/NFPA 410-2020, Standard on Aircraft Maintenance (revision of ANSI/NFPA 410-2015): 2/4/2019

NISO (National Information Standards Organization)

Revision

ANSI/NISO Z39.96-2019, JATS: Journal Article Tag Suite (1.2) (revision of ANSI/NISO Z39.96-2015): 2/8/2019

NSF (NSF International)

New Standard

ANSI/NSF 391.1-2019 (i1r2), General Sustainability Assessment Criteria for Professional Services (new standard): 1/29/2019

Revision

ANSI/NSC 373-2019 (i3r1), Sustainability Assessment for Natural Dimension Stone (revision of ANSI/NSC 373-2017): 2/4/2019

RVIA (Recreational Vehicle Industry Association)

New Standard

ANSI/RVIA EXTLAD-1-2019, Recommended Practice Laboratory Test Procedures for Exterior Ladders on Recreational Vehicles (new standard): 2/5/2019

SCTE (Society of Cable Telecommunications Engineers)

New Standard

ANSI/SCTE 242-4-2018, Next Generation Audio Coding Constraints for Cable Systems: Part 4 - DTS-UHD Audio Coding Constraints (new standard): 2/5/2019

ANSI/SCTE 243-4-2018, Next Generation Audio Carriage for Cable Systems: Part 4 - DTS-UHD Audio Carriage Constraints (new standard): 2/5/2019

ANSI/SCTE 251-2018, Test Procedure for Determining the Thermal Oxidative Stability of Foamed Polyethylene (new standard): 2/5/2019

ANSI/SCTE 252-2018, Attenuation of Common Mode Filters (new standard): 2/5/2019

Revision

ANSI/SCTE 11-2018, Test Method for Aerial Cable Corrosion Protection Flow (revision of ANSI/SCTE 11-2012): 2/5/2019

ANSI/SCTE 29-2018, Torque Requirements for Bond Wire Penetration of Bonding Set Screw (revision of ANSI/SCTE 29-2012): 2/5/2019

ANSI/SCTE 36-2018, SCTE-ROOT Management Information Base (MIB) Definitions (revision of ANSI/SCTE 36-2012): 2/5/2019

ANSI/SCTE 68-2018, Drop Passives: Matching Transformers 75 Ohm to 300 Ohm (revision of ANSI/SCTE 68-2013): 2/5/2019

ANSI/SCTE 81-2018, Surge Withstand Test Procedure (revision of ANSI/SCTE 81-2012): 2/5/2019

ANSI/SCTE 117-2018, Specification for Braided 75, Mini-Series Quad Shield Coaxial Cable for CMTS and SDI cables (revision of ANSI/SCTE 117-2010): 2/5/2019

ANSI/SCTE 154-3-2018, Encoder MIB (revision of ANSI/SCTE 154-3 -2008): 2/5/2019

ANSI/SCTE 160-2018, Specification for Mini F Connector, Male, Pin Type (revision of ANSI/SCTE 160-2010): 2/5/2019

TIA (Telecommunications Industry Association)

New Standard

ANSI/TIA 102.AAAB-B-2019, Security Services Overview (new standard): 2/5/2019

Revision

ANSI/TIA 102.BAEF-A-2019, Packet Data Host Network Interface (revision and redesignation of ANSI/TIA 102.BAEF-2013): 2/7/2019

UL (Underwriters Laboratories, Inc.)

New National Adoption

ANSI/UL 60745-1-2019, Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 1: General Requirements (national adoption of IEC 60745-1 with modifications and revision of ANSI/UL 60745-1-2013): 1/28/2019

Reaffirmation

ANSI/UL 22-2010 (R2019), Standard for Safety for Amusement and Gaming Machines (reaffirmation of ANSI/UL 22-2010 (R2014)): 2/6/2019

ANSI/UL 710B-2014 (R2019), Standard for Recirculating Systems (reaffirmation of ANSI/UL 710B-2014): 2/1/2019

Revision

ANSI/UL 1446-2019, Standard for Safety for Systems of Insulating Materials - General (revision of ANSI/UL 1446-2017): 2/4/2019

ANSI/UL 1446-2019a, Standard for Safety for Systems of Insulating Materials - General (revision of ANSI/UL 1446-2017): 2/4/2019

ANSI/UL 1660-2019, Standard for Safety for Liquid-Tight Flexible Nonmetallic Conduit (revision of ANSI/UL 1660-2014): 1/30/2019

ANSI/UL 2515-2019, Standards for Safety for Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings (revision of ANSI/UL 2515-2014): 2/5/2019

Project Initiation Notification System (PINS)

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

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. Use the following Public Document Library url to access PDF & EXCEL reports of approved & proposed ANS: List of Approved and Proposed ANS

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

ADA (American Dental Association)

Contact: Paul Bralower, (312) 587-4129, bralowerp@ada.org
211 East Chicago Avenue, Chicago, IL 60611-2678

New National Adoption

BSR/ADA Standard No. 130-201x, Dentifrices - Requirements, Test Methods and Marking (identical national adoption of ISO 11609:2017 and revision of ANSI/ADA Standard No. 130-2013)

Stakeholders: Consumers, manufacturers, researchers, policy makers.

Project Need: This standard specifies requirements for the physical and chemical properties of dentifrices and provides guidelines for suitable test methods. The standard provides a basis for assuring safety of dentifrices for the public and guidance for manufacturers of dentifrices.

This document specifies requirements for the physical and chemical properties of dentifrices and provides guidelines for suitable test methods. It also specifies requirements for the marking, labelling and packaging of dentifriceses. This document applies to dentifrices, including toothpastes, destined to be used by the consumers on a daily basis with a toothbrush to promote oral hygiene.

BSR/ADA Standard No. 158-201x, Coupling Dimensions for Handpiece Connectors (national adoption with modifications of ISO 3964:2016 & ISO 3964/Amd. 1:2018)

Stakeholders: Dentists, manufacturers.

Project Need: This standard provides needed standardized dimensions of connections between dental handpieces and motors in dental units such that each type of handpiece/motor combination is interchangeable with components of the same type from different manufacturers.

This standard specifies the coupling between handpieces and motors connected to dental units. It specifies the nominal dimensions, tolerances, and the extraction force of coupling systems that supply the handpiece with water, air, and rotation energy.

Revision

BSR/ADA Standard No. 2000.3-201x, SNODENT (Systemized Nomenclature of Dentistry) (revision and redesignation of ANSI/ADA Standard No. 2000.2-2018)

Stakeholders: Dental care providers, healthcare and research organizations, government agencies, dental schools and clinics, and dental benefit providers and organizations.

Project Need: SNODENT provides a needed standardized code set for the representation of clinical oral health descriptions captured by dentists that is interoperabile across healthcare systems and with electronic health records systems. It is revised annually to maintain currency with dental terminology.

SNODENT is a clinical terminology designed for use with electronic health records that enables the capture and analysis of detailed oral health data, including oral anatomical sites, oral health conditions, findings, and other clinical concepts unique to dentistry.

APCO (Association of Public-Safety Communications Officials-International)

Contact: Stacy Banker, (920) 579-1153, apcostandards@apcointl.org
351 N. Williamson Boulevard, Daytona Beach, FL 32114

New Standard

BSR/APCO 3.111.1-201x, Detecting Early Warning Symptoms of Stress in Public Safety Telecommunicators (new standard)

Stakeholders: Public safety communications officials.

Project Need: Stress is a known issue within public safety communications. As the emergency communications evolve, more and more agencies, both traditional and non-traditional, are exposed to not just the trauma of a phone call, but now CCTV, videos, pictures, and text.

As identified in the P43 report, "Stakeholders should also participate in research to identify lessons learned in other sectors, evaluate PST stress and the efficacy of strategies and intervention to present or mitigate stress." This would help ensure that any new training standards and programs are informed by existing experience and empirically driven.

Revision

BSR/APCO 3.109.3-201x, Core Competencies and Minimum Training Standards for Public Safety Communications Manager/Director (revision and redesignation of ANSI/APCO 3.109.2-2014)

Stakeholders: Public safety communications officials.

Project Need: To define the core competencies and minimum training requirements of the individual who is generally tasked with managing public safety communications centers. The purpose of this standard is to provide a consistent foundation for the knowledge, skills, and abilities needed to fulfill this critical function. This standard recognizes the need to supplement the training and core competencies identified within this standard with Agency-specific information.

This standard revision identifies the core competencies and minimum training requirements for the Public Safety Communications Manager/Director, referred to as Manager/Director in this standard. This position is typically tasked with managing and directing all aspects of a public safety communications center, while effectively utilizing leadership skills, resources, and partnerships in order to successfully provide emergency communications service.

CSA (CSA America Standards Inc.)

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

New Standard

BSR/CSA 13.1-201x, Combined Heat and Power Appliances (new standard)

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

Project Need: New standard for safety.

This standard specifies requirements and test methods for the following devices within the field of cogeneration technologies which produce both electricity and thermal energy:
- CHP units, which generate electricity and thermal energy in a single integrated system;
- Thermoelectric Generators (TEG), which convert heat into electrical energy;
- Cogeneration technologies/sources using gas turbines, micro turbines, reciprocating engines, steam turbines or fuel cells;
- CHP units using fossil fuels and/or renewable energy;
- Micro CHP (Part II).

This standard applies to cogeneration technologies/sources using gas turbines, micro turbines, reciprocating engines, steam turbines, and fuel cells; and is applicable to CHP units using fossil fuel and/or renewable energy.

IES (Illuminating Engineering Society)

Contact: Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org
120 Wall Street, Floor 17, New York, NY 10005

New Standard

BSR/IES LP-xx-201x (IoT), Lighting Practice: Lighting Systems and the Internet of Things (new standard)

Stakeholders: Lighting practitioners, engineers, building owners/managers, code officials, control systems manufacturers and installers.

Project Need: This guide will provide application information to assist in the implementation of connected lighting systems to Internet of Things for both new and retrofit lighting applications.

Provides basic planning information for Connected Lighting Systems. The following topics and sections will be expanded upon to provide a common vocabulary for team members when developing their applications: Description of IoT and connected lighting, new construction considerations, retrofit considerations, commercial and residential application considerations, wired and wireless systems, security, sequence of operations and commissioning, coordination considerations for specification and installation, and explanation of applicable codes and standards.

BSR/IES LS-5-201x, Lighting Science: Color (new standard)

Stakeholders: Lighting practitioners, luminaire and light sources manufacturers, sales reps, distributors, the general public, building owners/facility managers, researchers, code officials, environmentalists.

Project Need: The understanding of the color properties of light and their applications is finding an unprecedented relevance in the lighting industry. As a result, lighting professionals are faced with an increased need for accurate quantitative and qualitative descriptions of the color related performance of all light sources. Lighting professionals need an understanding of human vision and psychology to appreciate the ways that light will affect users and their color perception. They also need a command of the vocabulary and methods used to describe and measure color. They should know the color rendering strengths and weaknesses of available lamp light source technologies. Finally, they are expected to have the artistic and technical ability to apply all of this information in the field in order to realize designs that meet the needs of the users, support the overall design and project goals, and use white and/or colored light appropriately and effectively.

This standard will cover all aspects of color in relation to human vision. Definitions, human color vision, color measurement, systems, rendering, sources, uses, performance standards, and product labeling.

BSR/IES LM-9-201x, Approved Method: Electrical and Photometric Measurement of Fluorescent Lamps (new standard)

Stakeholders: Lighting practitioners, light source and luminaire manufacturers, lighting test labs, regulatory agencies.

Project Need: This Approved Method describes the procedures to be followed and the precautions to be observed in obtaining uniform and reproducible measurements of the electrical and photometric characteristics of fluorescent lamps under standard conditions in 60 Hz, alternating current circuits and under high-frequency conditions (reference high-frequency circuits are operated at 25 kHz). Single-ended compact fluorescent lamps are covered in LM-66 and are excluded from this procedure.

This approved method explains the technique for electrical and photometric measurements of linear fluorescent lamps and u-tube fluorescent lamps operating on a reference ballast.

BSR/IES LM-10-201x, Approved Method: Photometric Testing of Roadway and Area Lighting Fluorescent Luminaires (new standard)

Stakeholders: Lighting practitioners, luminaire and light source manufacturers, code officials, municipalities, light test labs.

Project Need: To promote uniform test results in measuring luminous flux and intensity of roadway and area lighting luminaires using fluorescent lamps, as obtained under controlled lab conditions.

Photometric testing (distribution photometry) of roadway and area lighting luminaires using fluorescent lamps.

BSR/IES LM-11-201x, Approved Method: Guide for Photometric Testing of Searchlights (new standard)

Stakeholders: Lighting practitioners, luminaire and light source manufacturers, light test labs.

Project Need: Update to IES LM-11, including:
- Technological advances in both the luminaire manufacturing and photometric testing industries;
- The format of the document needs to be updated to the current document format guidelines for the IES TPC;
- The references to other IES Lighting Measurement standards need to be updated;
- The range length section needs to be checked for accuracy and potentially rewritten based on current industry practices;
- The environmental test conditions and measurement instrument requirements sections need to be harmonized with current IES standards for photometric laboratory measurements.

Arrays of LEDs will not be addressed in this revision. Once an updated document is published, the subcommittee will address this topic.

This guide applies to lighting equipment having a total field angle of less than ten degrees. This includes equipment in which light is controlled by reflectors, lenses, or their combinations. The guide applies to projectors with a variety of light sources, including tungsten filament, tungsten-halogen, and high-intensity discharge lamps. It does not apply to projector systems comprised of arrays of light emitting diodes. For luminaires where the total field spread is equal to or exceeds ten degrees, refer to IESNA LM -35. Photometric testing of reflector-type lamps is described in IESNA LM-20.

BSR/IES LM-20-201x, Approved Method: Photometry of Reflector Type Lamps (new standard)

Stakeholders: Lighting practitioners, light source and luminaire manufacturers, light test labs.

Project Need: The purpose of this work is to review the document for revisions necessary to maintain its usefulness as a measurement standard.

As used in this laboratory method, a reflector-type lamp is a lamp having a reflective element(s) intended to redirect flux from the emitting element (e.g., filament, arc) to form the intended spatial distribution of the light. For example, a reflective element might take the form of a reflective coating applied to the lamp bulb, or a reflector positioned relative to the emitting element and permanently affixed in this position. This laboratory method does not apply to the following: lamps of standard bulb shape to which an integral reflector is added such as silver-bowl and silvered-neck lamps; reflector-type lamps that are designed for special applications, such as automotive headlamps and projection lamps, for which lamp specific test procedures have been established; or lamps that are known to have special testing requirements beyond those addressed in this laboratory method such as linear fluorescent reflector lamps that have special temperature or orientation requirements.

BSR/IES LM-31-201x, Approved Method: Photometric Testing of Roadway and Area Lighting Luminaires Using Incandescent Filament or High Intensity Discharge Lamps (new standard)

Stakeholders: Lighting practitioners, light source and luminaire manufacturers, light test labs.

Project Need: To promote uniform test results in measuring luminous flux and intensity of roadway and area lighting luminaires using HID and incandescent lamps, as obtained under controlled lab conditions.

Photometric testing (distribution photometry) of roadway and area lighting luminaires using HID and incandescent lamps.

BSR/IES LM-35-201x, Approved Method: Photometric Testing of Floodlights Using High Intensity Discharge or Incandescent Filament Lamps (new standard)

Stakeholders: Lighting practitioners, light source and luminaire manufacturers, light test labs.

Project Need: To promote uniform test results in measuring luminous flux and intensity of floodlight luminaires using HID and incandescent lamps, as obtained under controlled lab conditions. Primary goals of the rewrite are to convert the document to the new LM-format, to address harmonization concerns with other IES documents that address photometric testing of other luminaire types. Additionally, the document will require the addition of absolute photometric testing methods.

Testing of floodlight luminaires using HPS, MH and incandescent filament lamps, including Tungsten-halogen lamps. Floodlights are limited to luminaires with a total field angle greater than or equal to ten degrees.

BSR/IES LM-40-201x, Approved Method: Life Testing of Fluorescent Lamps (new standard)

Stakeholders: Lighting practitioners, light source and luminaire manufacturers, light test labs.

Project Need: To provide clearer guidelines for test requirements and to promote uniformity in measurement procedures.

This guide describes the procedures by which fluorescent lamps can be operated under controlled conditions to obtain optimally comparable data on individual lamp life, changes in light output, and other parameters that vary during the life of the lamp.

BSR/IES LM-46-201x, Approved Method: Photometric Testing of Indoor Luminaires Using High Intensity Discharge or Incandescent Filament Lamps (new standard)

Stakeholders: Lighting practitioners, light source and luminaire manufacturers, light test labs.

Project Need: To promote uniform test results in measuring luminous flux and intensity of HID and incandescent, indoor-type luminaires, as obtained under controlled lab conditions. LM-46 is for renewal. Primary goals of the rewrite are to convert the document to the new LM-format, to address any harmonization issues with other LMs that address photometric testing of other luminaire types that use HID and incandescent filament lamps and to identify more types of luminaire geometries and provide a consistent method regarding how to center/orient them on the photometer.

This approved method is intended to promote uniform test results as obtained under controlled laboratory conditions in measuring the luminous flux and intensity of high intensity discharge and incandescent indoor-type luminaires. All mercury, high-pressure sodium (HPS), and metal halide lamps are classified as High Intensity Discharge (HID) lamps, and their photometry when installed in indoor-type luminaires is covered by this method. Also covered are similar luminaire types employing incandescent lamps, including tungsten-halogen lamps. For the unique testing requirements of entertainment lighting luminaires (stage, TV, film) using HID and incandescent lamps, consult LM-73. Because of their special characteristics, low-pressure sodium lamps and fluorescent lamps are not discussed in these procedures.

BSR/IES LM-49-201x, Approved Method: Life Testing of Incandescent Filament Lamps (new standard)

Stakeholders: Lighting practitioners, light source and luminaire manufacturers, light test labs.

Project Need: The purpose of this work is to review the document for revisions necessary to maintain its usefulness as a measurement standard.

This approved method describes the procedures to be followed and the precautions to be observed in obtaining uniform and reproducible measurements during life testing of incandescent filament lamps under standard conditions.

BSR/IES LM-51-201x, Approved Method: Electrical and Photometric Measurement of High Intensity Discharge Lamps (new standard)

Stakeholders: Lighting practitioners, light source and luminaire manufacturers, light test labs.

Project Need: The purpose of this work is to review the document for revisions necessary to maintain its usefulness as a measurement standard.

This approved method describes the procedures to be followed and the precautions to be observed in obtaining uniform and reproducible measurements of the electrical and photometric characteristics of High Intensity Discharge (HID) lamps under standard conditions in 60Hz, alternating current circuits. This Approved Method includes other technologies within the high intensity discharge family including High Pressure Sodium, Mercury Discharge, Ceramic Metal Halide, and Pulse Start Metal Halide lamps. It addresses electrical and photometric characteristics of high intensity discharge lamps operated on auxiliary devices, either external or integrated, designed and certified to meet lamp industry standards and tolerance. Xenon arc lamps, low-pressure sodium lamps (IES LM-50-00, IES Approved Method for the Electrical and Photometric Measurements of Low Pressure Sodium Lamps (withdrawn from publication)), and automotive lamps are not addressed in this IES Approved Method. Additional information on these lamp types may be found in the IES Lighting Handbook and the other references listed at the end of this stamdard.

BSR/IES LM-54-201x, Approved Method: Guide to Lamp Seasoning (new standard)

Stakeholders: Lighting practitioners, light source and luminaire manufacturers, light test labs.

Project Need: The purpose of this work is to review the document for revisions necessary to maintain its usefulness as a measurement standard.

This Guide applies to normal and accelerated seasoning of incandescent filament, cathode fluorescent lamps, and high intensity discharge (HID) lamps. Manufacturers' recommendations for seasoning should be followed for lamps of types other than listed above. Lamps intended for use as reference standards may require special or additional seasoning and should be selected from a pool of seasoned lamps.

BSR/IES LM-58-201x, Approved Method: Spectroradiometric Measurement Methods for Light Sources (new standard)

Stakeholders: Lighting practitioners, light source and luminaire manufacturers, light test labs.

Project Need: The purpose of this work is to review the document for revisions necessary to maintain its usefulness as a measurement standard.

This document describes the requirements and recommendations of the instruments and the procedures for spectroradiometric measurements including those of color performance, spectral irradiance, spectral radiance, and spectral total radiant flux, either in relative or in absolute units. The spectral range is from approximately 200 nm to 1700 nm where the characterization of light from lighting sources, visual displays and light emitting diodes, is most commonly done. This document does not provide in-depth detail on every subject, but directs the user to references that completely describe the concepts. The light source or device under test shall be operated in accordance with the appropriate IES LM (Lighting Measurement) or ANSI (American National Standards Institute) document pertaining to the device and is not described in this document.

BSR/IES LM-75-201x, Approved Method: Guide to Goniometer Measurements, Types, and Photometric Coordinate Systems. (new standard)

Stakeholders: Lighting practitioners, luminaire manufacturers, luminaire test labs, light source manufacturers.

Project Need: The purpose of the revision to LM-75 is to add information relating to the usage of goniophotometers. The revision will establish an alignment with LM-78, which is a general guide to integrating sphere measurements and the usage spectrodiometers is included in LM-78. Goniocolorimeters and goniospectroradiometers are also within the scope. In addition, it will have a section on eliminating stray light, correcting for stray light, and when it is allowable to zero data. LM-75 is intended to be referenced by other LMs that use goniometers.

This document provides definitions of spherical coordinate systems and goniophotometer types used to measure light sources. It does not address the use of goniophotometers to measure media or surfaces. The operating principles behind each type of goniophotometer are addressed, and a general guide to goniophotometer calibration, stray light elimination, and stray light correction is presented. A methodology of when zeroing data for upward light measurements is provided. Additionally, the correspondence between relevant IES and CIE definitions are described.

BSR/IES LM-77-201x, Approved Method: Intensity Distribution Measurement of Luminaires and Lamps Using Digital Screen Imaging Photometry (new standard)

Stakeholders: Lighting practitioners, light source and luminaire manufacturers, light test labs.

Project Need: This method describes measurement procedures for the determination of the luminous intensity distribution of directional lamps and luminaires using a digital camera to capture the projected light on a screen. Digital photometry allows for high-speed data collection versus a traditional goniophotometer approach over a restricted angular range. The method provides underlying principles, requirements, factors, and limitations.

Use of imaging equipment to perform digital photometry, such as capturing luminaire luminous intensity distribution by directly imaging the luminaire or an integrating sphere containing the luminaire are outside the scope of this document.

BSR/IES LM-78-201x, Approved Method: Total Flux Measurement of Lamps Using an Integrating Sphere (new standard)

Stakeholders: Lighting practitioners, light source and luminaire manufacturers, light test labs.

Project Need: This document describes the procedures to be followed and precautions to be observed in performing reproducible measurements of total flux of lamps and luminaires using integrating sphere measurement systems. Two types of integrating sphere systems are presented: one employing a V lambda correct photometer head and another employing a spectroradiometer as the detector.

This document explains a particular technique for total flux measurement of all types of lamps and luminaires using integrating spheres.

BSR/IES RP-xx-201x, Recommended Practice: Lighting Theatre and Auditorium Spaces (new standard)

Stakeholders: Lighting designers, architects, engineers, performance facility managers, lighting distributors, electrical contractors.

Project Need: Updates the IES standard to reflect changes in lighting for performance spaces.

Revise and update IES DG-20 Stage Lighting - A Guide to Planning of Theatres and Auditoriums. Add content for stage lighting controls; interfacing with networks[houselight design, control, and performance including emergency lighting, stage worklight. and cue light systems; LED and automated stage lighting instruments; power distribution for stage and houselighting systems; and future proofing systems.

BSR/IES TM-BIM-201x, Lighting Practice: Building Information Management (new standard)

Stakeholders: Lighting practitioners, engineers, architects, software providers, luminaire manufacturers, construction managers, building owners/managers.

Project Need: A standardization of embedded and/or included parameters for use with building information modeling/management (BIM) project software.

The proposed technical memorandum shall include a recommended minimum list of parameters to be used in the construction of parametric luminare content used in BIM software. Note that this document shall remain software agnostic. Furthermore, it shall be limited to parameters vital to luminaire schedules and load calculations.

BSR/IES TM-xx-SG-201x, Approved Method: Estimating Sky Glow Contributions from End-Uses (new standard)

Stakeholders: The general public, municipalities, utilities, environmentalists, astronomers, designers, luminaire manufacturers, researchers, managers of protected areas.

Project Need: Recent public attention has focused on the growing artificial brightness of the night sky (i.e., sky glow) due to increased use of light at night and concerns regarding adverse consequences of that growth. Global interest both within and outside the lighting community (including producers, users, and parties of general interest) appears to be coalescing around the importance of minimizing sky glow while not hindering the benefits of lighting at night, and much potential improvement can be achieved in the careful design and implementation of appropriate luminaires. At present, however, there is no established IES guidance for estimating the contributions to sky glow across the suite of relevant lighting applications. The ability to accurately detail the characteristics of those contributions is needed to help identify the most effective strategies for reducing their effects on sky glow. This Technical Memorandum will develop and detail recommended procedures and related tools for estimating contributions to sky glow.

A wide variety of lighting applications play contributory roles in sky glow and need to be characterized in terms of the light they release into the night sky. Relevant characteristics of the light produced by each application include its spectral content and how that might change over particular pathways into the sky, lumen distribution and orientation with respect to the sky, hours of use, and various other properties. The range of applications relevant to sky glow include street and area lighting, window light spill from the internal illumination of buildings, sports lighting, signage/advertisement, and landscape lighting, among others. Some sources of light at night, e.g., vehicular lighting, may be included in the estimation methodology even though they are outside of IES purview (i.e., IES does not provide recommended practice for them).

BSR/IES TM-15-201x, Approved Method: Luminaire Classification System for Outdoor Luminaires (new standard)

Stakeholders: Lighting practitioners, light source and luminaire manufacturers, light test labs, environmentalists, code officials, Department of Transportation, regulatory agencies, the general public.

Project Need: Outdoor lighting serves a variety of purposes that include providing light for nighttime visual activities, contributing to safety/security, and enhancing the beauty of architecture, monuments, sculpture, or landscape. Outdoor lighting also serves to improve driving visibility on roadways. Nighttime lighting can enhance social experiences and revitalize the economy of a municipal district. However, a careful selection of lighting equipment is critical to ensure that the positive aspects of outdoor lighting do not simultaneously create a nuisance for local residents. The issues of light pollution, glare, natural habitat, and the nighttime environment are best addressed when meaningful data regarding luminaire optics can be considered as the lighting application is designed. TM-15 is due to be revised and updated. A few inconsistencies need to be clarified and the topic of laboratory measurement capabilities needs to be discussed along with the relationship to certain LMs. This document would also include a review and discussion of the lighting-application-based luminaire classification system.

This Technical Memorandum defines a lighting application classification system for outdoor luminaires that provides information to lighting professionals regarding the lumen distribution within solid angles of specific interest. The lumens within these solid angles are intended to be one of the metrics used to evaluate luminaire optical distribution including the potential for light pollution and obtrusive light, but not as the only metric that should be evaluated.

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

Contact: Barbara Bennett, (202) 737-8888, comments@standards.incits.org
1101 K Street, NW, Suite 610, Washington, DC 20005-3922

New Standard

INCITS 566-201x, Information technology - SCSI Primary Commands - 6 (SPC-6) (new standard)

Stakeholders: ICT industry.

Project Need: The proposed project involves a compatible evolution of the present SCSI Primary Commands - 5 standard.

SCSI Primary Commands - 6 (SPC-6) is the next generation of the Primary Commands. SPC-6 follows SPC-5. The following items should be considered for inclusion in SPC-6: More specific command duration limits, necessary support for ZBC-2, add sense codes as requested, and other capabilities that may fit within the scope of this project.

INCITS 567-201x, Information technology - Serial Attached SCSI - 4.1 (SAS 4.1) (new standard)

Stakeholders: ICT industry.

Project Need: The proposed project involves a needed update of the present Serial Attached SCSI - 4 standard to include reference to new features defined for SAS-4 in SPL-5 and additional beneficial updates found during initial implementation of SAS-4.

Serial Attached SCSI - 4.1 is an update of Serial Attached SCSI - 4 (SAS-4). The following items should be considered for inclusion in Serial Attached SCSI - 4.1: (1) remove data rates of less than 6 Gbit/s for SAS devices, (2) reference SAS Protocol Layer - 5 (SPL-5) instead of SAS Protocol Layer - 4 (SPL-4), and (3) other updates to SAS-4 that may fit within the scope of this project.

ITSDF (Industrial Truck Standards Development Foundation, Inc.)

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Revision

BSR/ITSDF B56.1-201x, Safety Standard for Low Lift and High Lift Trucks (revision of ANSI/ITSDF B56.1-2016)

Stakeholders: Users and manufacturers of low-lift and high-lift powered industrial trucks.

Project Need: To update requirements to current state of the art.

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

BSR/ITSDF B56.6-201x, Safety Standard for Rough Terrain Forklift Trucks (revision of ANSI/ITSDF B56.6-2016)

Stakeholders: Users and manufacturers of rough terrain forklift trucks.

Project Need: To update requirements to current state of the art.

This Standard defines the safety requirements relating to the elements of design, operation, and maintenance of rough terrain forklift trucks. These trucks are intended for operation on unimproved natural terrain as well as the disturbed terrain of construction sites.

NEMA (ASC C29) (National Electrical Manufacturers Association)

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Revision

BSR C29.17-201x, Standard for Composite Insulators Transmission Line Post Type (revision of ANSI C29.17-2013)

Stakeholders: Utilities, transmission and distribution, design engineers, purchasing agents, HV Insulator manufacturers.

Project Need: To bring standard in compliance with current industry practices.

This standard covers composite-transmission-line post=type insulators with section lengths 41 inches (1041.4 mm) or greater made of a fiberglass-reinforced resin rod core, polymer-material weathersheds, and metal-end fittings as defined in this standard and intended for use on overhead lines for electric power systems. Mechanical and electrical performance levels specified in this standard are requirements for new insulators.

BSR C29.18-201x, Standard for Composite Insulators Distribution Line Post Type (revision of ANSI C29.18-2013)

Stakeholders: Utilities, transmission and distribution, design engineers, purchasing agents, HV insulator manufacturers.

Project Need: To bring standard in compliance with current industry practices.

This standard covers composite distribution-line post-type insulators with section lengths 30.6 in (777 mm) or less made of a fiberglass-reinforced resin rod core, polymer-material weathersheds, and metal end fittings as defined in this standard and intended for use on overhead lines for electric power systems. Mechanical and electrical performance levels specified in this standard are requirements for new insulators.

NEMA (ASC C50) (National Electrical Manufacturers Association)

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Revision

BSR C50.41-201x, Polyphase Induction Motors for Power Generating Stations (revision of ANSI C50.41-2012)

Stakeholders: Manufacturers and users of rotating electrical machinery.

Project Need: A systematic review of C50.41-2012 is necessary in order to update the requirements and guidelines to reflect current technology and industry practice.

The requirements in this standard apply to polyphase induction motors intended for use in power generating stations, including the following: (a) Frame size larger than NEMA 440 series; (b) Squirrel-cage type; (c) Single speed or multispeed; (d) Horizontal or vertical construction; and (e) Form wound.

NEMA (ASC C84) (National Electrical Manufacturers Association)

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Revision

BSR C84.1-201x, Standard for Electric Power Systems and Equipment Voltage Ratings (60 Hertz) (revision of ANSI C84.1-2016)

Stakeholders: Electrical manufacturers, utilities, municipalities.

Project Need: To address voltage rise and voltage drop allocation.

This standard establishes nominal voltage ratings and operating tolerances for 60-Hz electric power systems above 100 volts. It also makes recommendations to other standardizing groups with respect to voltage ratings for equipment used on power systems and for utilization devices connected to such systems. This standard includes preferred voltage ratings up to and including 1200 kV maximum system voltage, as defined in the standard. In defining maximum system voltage, voltage transients, and temporary overvoltages caused by abnormal system conditions such as faults, load rejection, and the like are excluded. However, voltage transients and temporary overvoltages may affect equipment operating performance and are considered in equipment application.

OEOSC (ASC OP) (Optics and Electro-Optics Standards Council)

Contact: Allen Krisiloff, (585) 473-4470, allen@oeosc.org
c/o Triptar Lens Company, Inc., 439 Monroe Avenue, Rochester, NY 14607

New Standard

BSR OP7.001-201x, Optics and Electro-Optical Instruments - Laser Induced Surface Damage (new standard)

Stakeholders: Designers and manufacturers of medical and industrial laser equipment.

Project Need: Current ISO standards do not incorporate recent advances in the meaning of laser damage specifications or the methodology used to test coatings and surface for resistance to laser damage. No other national or international standards exist on this subject.

This standard defines the specification for the resistance of surfaces and coatings to laser-induced damage and describes test methods for evaluating surfaces and coatings against the laser damage specification.

TIA (Telecommunications Industry Association)

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Revision

BSR/TIA 598-E-201x, Optical Fiber, Cable, and Component Color Coding (revision and redesignation of ANSI/TIA 598-D-2014)

Stakeholders: Users of optical fiber such as optical fiber cable manufacturers and their customers, optical fiber transmission and test equipment manufacturers, specifiers of optical fiber and cable such as telecommunications companies and standards bodies that define transmission protocols.

Project Need: Update standard.

This is a revision of ANSI/TIA-598-D-2014. The modifications may include: (1) Incorporating Addendum 1, Additional Colors for Fibers 13-16; (2) Incorporating Addendum 2, Jacket Color for OM5 Indoor Fiber Cables; (3) Incorporate and enhance connector and adapter identification from ANSI/TIA-568.3-D; (4) Broaden scope to include connector and adapter identification, cabling architectures utilizing 16 elements, marking updates, and possibly reorganization of the content; and (5) Review and update marking, identifications, and guidance to align with current best practice.

American National Standards Maintained Under Continuous Maintenance

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

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

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

- **AAMI (Association for the Advancement of Medical Instrumentation)**
- **AARST (American Association of Radon Scientists and Technologists)**
- **AGA (American Gas Association)**
- **AGSC-AGRSS (Auto Glass Safety Council)**
- **ASC X9 (Accredited Standards Committee X9, Incorporated)**
- **ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)**
- **ASME (American Society of Mechanical Engineers)**
- **ASTM (ASTM International)**
- **GBI (Green Building Initiative)**
- **HL7 (Health Level Seven)**
- **IES (Illuminating Engineering Society)**
- **ITI (InterNational Committee for Information Technology Standards)**
- **MHI (Material Handling Industry)**
- **NAHBRC (NAHB Research Center, Inc.)**
- **NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)**
- **NCPDP (National Council for Prescription Drug Programs)**
- **NEMA (National Electrical Manufacturers Association)**
- **NISO (National Information Standards Organization)**
- **NSF (NSF International)**
- **PRCA (Professional Ropes Course Association)**
- **RESNET (Residential Energy Services Network, Inc.)**
- **SAE (SAE International)**
- **TCNA (Tile Council of North America)**
- **TIA (Telecommunications Industry Association)**
- **UL (Underwriters Laboratories, Inc.)**

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

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

ANSI-Accredited Standards Developers Contact Information

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

AAFS
American Academy of Forensic Sciences

410 North 21st Street
Colorado Springs, CO 80904
Phone: (719) 453-1036

Web: www.aafs.org

ADA (Organization)
American Dental Association

211 East Chicago Avenue
Chicago, IL 60611-2678
Phone: (312) 587-4129

Web: www.ada.org

AGA (ASC B109)
American Gas Association

400 N. Capitol St., NW
Washington, DC 20001
Phone: (202) 824-7333

Web: www.aga.org

AMCA
Air Movement and Control Association

30 West University Drive
Arlington Heights, IL 60004-1893
Phone: (847) 704-6285

Web: www.amca.org

ANS
American Nuclear Society

555 North Kensington Avenue
La Grange Park, IL 60526
Phone: (708) 579-8268

Web: www.ans.org

APCO
Association of Public-Safety Communications Officials-International

351 N. Williamson Boulevard
Daytona Beach, FL 32114
Phone: (920) 579-1153

Web: www.apcoIntl.org

ASABE
American Society of Agricultural and Biological Engineers

2950 Niles Road
Saint Joseph, MI 49085
Phone: (269) 932-7015

Web: www.asabe.org

ASC X9
Accredited Standards Committee X9, Incorporated

275 West Street
Suite 107
Annapolis, MD 21401
Phone: (410) 267-7707

Web: www.x9.org

ASME
American Society of Mechanical Engineers

Two Park Avenue
New York, NY 10016-5990
Phone: (212) 591-8521

Web: www.asme.org

ASSP (ASC A10)
American Society of Safety Professionals

520 N. Northwest Hwy.
Park Ridge, IL 60068
Phone: (847) 768-3475

Web: www.assp.org

ASTM
ASTM International

100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
Phone: (610) 832-9744

Web: www.astm.org

ATIS
Alliance for Telecommunications Industry Solutions

1200 G Street NW
Suite 500
Washington, DC 20005
Phone: (202) 434-8839

Web: www.atis.org

AWS
American Welding Society

8669 NW 36th Street
130
Miami, FL 33166
Phone: (305) 443-9353 EXT 301

Web: www.aws.org

AWWA
American Water Works Association

6666 W. Quincy Ave.
Denver, CO 80235
Phone: (303) 347-6178

Web: www.awwa.org

BICSI
Building Industry Consulting Service International

8610 Hidden River Parkway
Tampa, FL 33637
Phone: (813) 903-4712

Web: www.bicsi.org

BOMA
Building Owners and Managers Association

1101 15th Street, NW
Washington, DC 20005
Phone: (202) 326-6357

Web: www.boma.org

CSA
CSA America Standards Inc.

8501 E. Pleasant Valley Road
Cleveland, OH 44131
Phone: (216) 524-4990

Web: www.csagroup.org

ECIA
Electronic Components Industry Association

13873 Park Center Road
Suite 315
Herndon, VA 20171
Phone: (571) 323-0294

Web: www.ecianow.org

IAPMO (Z)
International Association of Plumbing & Mechanical Officials

5001 East Philadelphia Street
Ontario, CA 91761
Phone: (909) 230-5534

Web: www.iapmort.org

IES
Illuminating Engineering Society

120 Wall Street, Floor 17
New York, NY 10005
Phone: (917) 913-0027

Web: www.ies.org

IIAR
International Institute of Ammonia Refrigeration

1001 North Fairfax Street
Alexandria, VA 22314
Phone: (703) 312-4200

Web: www.iiar.org

ISEA
International Safety Equipment Association

1901 North Moore Street
Suite 808
Arlington, VA 22209
Phone: (703) 525-1695

Web: www.safetyequipment.org

ITI (INCITS)
InterNational Committee for Information Technology Standards

1101 K Street, NW
Suite 610
Washington, DC 20005-3922
Phone: (202) 737-8888

Web: www.incits.org

ITSDF
Industrial Truck Standards Development Foundation, Inc.

1750 K Street NW
Suite 460
Washington, DC 20006
Phone: (202) 296-9880

Web: www.indtrk.org

NECA
National Electrical Contractors Association

3 Bethesda Metro Center
Suite 1100
Bethesda, MD 20814
Phone: (301) 215-4549

Web: www.neca-neis.org

NEMA (ASC C29)
National Electrical Manufacturers Association

1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3231

Web: www.nema.org

NEMA (ASC C50)
National Electrical Manufacturers Association

1300 N 17th St, Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3264

Web: www.nema.org

NEMA (ASC C84)
National Electrical Manufacturers Association

1300 North 17th Street
Rosslyn, VA 22209
Phone: (703) 841-3278

Web: www.nema.org

NETA
InterNational Electrical Testing Association

3050 Old Centre
Suite 101
Portage, MI 49024
Phone: (269) 488-6382

Web: www.netaworld.org

NFPA
National Fire Protection Association

One Batterymarch Park
Quincy, MA 02169
Phone: (617) 984-7246

Web: www.nfpa.org

NISO
National Information Standards Organization

3600 Clipper Mill Road
Suite 302
Baltimore, MD 21211
Phone: (301) 654-2512

Web: www.niso.org

NSF
NSF International

789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 418-6660

Web: www.nsf.org

OEOSC (ASC OP)
Optics and Electro-Optics Standards Council

c/o Triptar Lens Company, Inc.
439 Monroe Avenue
Rochester, NY 14607
Phone: (585) 473-4470

Web: www.optstd.org

OPEI
Outdoor Power Equipment Institute

1605 King Street
Alexandria, VA 22314
Phone: (703) 549-7600

Web: www.opei.org

PLASTICS
Plastics Industry Association

1425 K Street NW, Suite 500
Washington, DC 20005
Phone: (202) 974-5217

Web: www.plasticsindustry.org

RVIA
Recreational Vehicle Industry Association

1896 Preston White Drive
P.O. Box 2999
Reston, VA 20191-4363
Phone: (703) 620-6003

Web: www.rvia.org

SCTE
Society of Cable Telecommunications Engineers

140 Philips Rd
Exton, PA 19341
Phone: (800) 542-5040

Web: www.scte.org

TIA
Telecommunications Industry Association

1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7706

Web: www.tiaonline.org

UL
Underwriters Laboratories, Inc.

12 Laboratory Drive
Research Triangle Park, NC 27709
-3995
Phone: (919) 549-1851

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); comments on ISO documents must be submitted electronically in the approved ISO template and as a Word document as other formats will not be accepted.

Those regarding IEC documents should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (tzertuche@ansi.org). The final date for offering comments is listed after each draft.

Ordering Instructions

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

ISO Standards

ACOUSTICS (TC 43)

ISO/DIS 11691, Acoustics - Measurement of insertion loss of ducted silencers without flow - Laboratory survey method - 5/4/2019, $53.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 16698, Space environment (natural and artificial) - Methods for estimation of future geomagnetic activity - 2/28/2019, $88.00

ISO/DIS 21895, Categorization and classification of civil unmanned aircraft systems - 4/28/2019, $46.00

ISO/DIS 21384-1, Unmanned aircraft systems - Part 1: General specification - 4/28/2019, $33.00

ISO/DIS 21384-4, Unmanned aircraft systems - Part 4: Terms and definitions - 4/29/2019, $58.00

CLEANING EQUIPMENT FOR AIR AND OTHER GASES (TC 142)

ISO/DIS 15727, UV-C devices - Measurement of output of UVC lamp - 3/4/2019, $77.00

ISO/DIS 22031, Sampling and test method for cleanable filter media taken from filters of systems in operation - 4/29/2019, $77.00

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

ISO/DIS 22367, Medical laboratories - Application of risk management to medical laboratories - 2/28/2019, $155.00

DENTISTRY (TC 106)

ISO/DIS 9693, Dentistry - Compatibility testing for metal-ceramic and ceramic-ceramic systems - 3/4/2019, $53.00

FASTENERS (TC 2)

ISO/DIS 2702, Fasteners - Heat-treated self-tapping screws - Mechanical and physical properties - 4/29/2019, $40.00

FLOOR COVERINGS (TC 219)

ISO/DIS 24334, Laminate floor coverings - Determination of locking strength for mechanically assembled panels - 2/28/2019, $40.00

FLUID POWER SYSTEMS (TC 131)

ISO 6358-1/DAmd1, Pneumatic fluid power - Determination of flow-rate characteristics of components using compressible fluids - Part 1: General rules and test methods for steady-state flow - Amendment 1: Effective conductance - 3/1/2019, $46.00

ISO/DIS 6358-2, Pneumatic fluid power - Determination of flow-rate characteristics of components using compressible fluids - Part 2: Alternative test methods - 3/1/2019, $112.00

GEOSYNTHETICS (TC 221)

ISO 9863-1/DAmd1, Geosynthetics - Determination of thickness at specified pressures - Part 1: Single layers - Amendment 1 - 5/2/2019, $29.00

ISO/DIS 22182, Geotextiles and geotextile-related products - Determination of abrasion resistance characteristics under wet conditions for hydraulic applications - 4/28/2019, $46.00

NON-DESTRUCTIVE TESTING (TC 135)

ISO/DIS 23159, Non-destructive testing - Gamma ray scanning method on process columns - 2/28/2019, $88.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 8690, Measurement of radioactivity - Gamma ray and beta emitting radionuclides - Test method to assess the ease of decontamination of surface materials - 3/1/2019, $98.00

ISO/DIS 9978, Radiation protection - Sealed sources - Leakage test methods - 3/1/2019, $62.00

ISO/DIS 10276, Trunnions for spent fuel element transport packages - 11/6/2004, $82.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 14490-9, Optics and photonics - Test methods for telescopic systems - Part 9: Test methods for field curvature - 2/28/2019, $40.00

PACKAGING (TC 122)

ISO/DIS 4180, Packaging - Complete, filled transport packages - General rules for the compilation of performance test schedules - 2/28/2019, $82.00

PAINTS AND VARNISHES (TC 35)

ISO/DIS 276, Binders for paints and varnishes - Linseed stand oil - Requirements and methods of test - 3/4/2019, $29.00

ISO/DIS 3233-1, Paints and varnishes - Determination of percentage volume of non-volatile matter - Part 1: Method using a coated test panel to determine non-volatile matter and to determine dry film density by the Archimedes principle - 3/4/2019, $62.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 6614/DAmd1, Petroleum products - Determination of water separability of petroleum oils and synthetic fluids - Amendment 1 - 4/29/2019, $29.00

ISO 9120/DAmd1, Petroleum and related products - Determination of air-release properties of steam turbine and other oils - Impinger method- Amendment 1 - 4/29/2019, $29.00

ISO/DIS 12922, Lubricants, industrial oils and related products (class L) - Family H (Hydraulic systems) - Specifications for hydraulic fluids in categories HFAE, HFAS, HFB, HFC, HFDR and HFDU - 3/4/2019, $58.00

PLASTICS (TC 61)

ISO/DIS 11357-2, Plastics - Differential scanning calorimetry (DSC) - Part 2: Determination of glass transition temperature and step height - 3/4/2019, $40.00

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

ISO/DIS 12176-5, Plastics pipes and fittings - Equipment for fusion jointing polyethylene systems - Part 5: Two-dimensional data coding of components and data exchange format for PE piping systems - 4/29/2019, $107.00

QUALITY MANAGEMENT AND QUALITY ASSURANCE (TC 176)

ISO/DIS 10015, Quality management - Guidelines for competence management and people development - 3/4/2019, $40.00

ISO/DIS 10018, Quality management - Customer satisfaction - Guidelines for complaints handling in organizations - 3/4/2019, $53.00

REFRACTORIES (TC 33)

ISO/DIS 13765-7, Refractory mortars - Part 7: Determination of permanent change in dimensions on heating - 3/4/2019, $40.00

ROAD VEHICLES (TC 22)

ISO/DIS 17409, Electrically propelled road vehicles - Conductive power transfer - Safety requirements - 5/3/2019, $112.00

ISO/DIS 11452-4, Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 4: Harness excitation methods - 3/4/2019, $112.00

ISO/DIS 17536-4, Road Vehicles - Aerosol separator performance test for internal combustion engines - Part 4: Laboratory fractional efficiency test method - 2/28/2019, $102.00

ROLLING BEARINGS (TC 4)

ISO/DIS 21250-1, Rolling bearings - Noise testing of rolling bearing greases - Part 1: Basic principles, testing assembly, test machine - 3/4/2019, $62.00

ISO/DIS 21250-2, Rolling bearings - Noise testing of rolling bearing greases - Part 2: Test and evaluation method BQ+ - 3/4/2019, $67.00

ISO/DIS 21250-3, Rolling bearings - Noise testing of rolling bearing greases - Part 3: Test and evaluation method MQ - 3/4/2019, $77.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 125, Natural rubber latex concentrate - Determination of alkalinity - 3/1/2019, $40.00

SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

ISO/DIS 5912, Camping tents - Requirements and test methods - 3/4/2019, $93.00

STEEL (TC 17)

ISO 10893-3/DAmd1, Non-destructive testing of steel tubes - Part 3: Automated full peripheral flux leakage testing of seamless and welded (except submerged arc-welded) ferromagnetic steel tubes for the detection of longitudinal and/or transverse imperfections - Amendment 1 - 4/28/2019, $29.00

ISO/DIS 439, Steel and cast irons - Determination of silicon content - Gravimetric method - 3/3/2019, $53.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO/DIS 24617-9, Language resource management - Semantic annotation framework - Part 9: Reference annotation framework (RAF) - 3/1/2019, $93.00

TEXTILES (TC 38)

ISO/DIS 105-A03, Textiles - Tests for colour fastness - Part A03: Grey scale for assessing staining - 3/1/2019, $29.00

ISO/DIS 1833-17, Textiles - Quantitative chemical analysis - Part 17: Mixtures of cellulose fibres and certain fibres with chlorofibres and certain other fibres (method using concentrated sulfuric acid) - 2/28/2019, $40.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 15638-20, Intelligent transport systems - Framework for cooperative telematics applications for regulated commercial freight vehicles (TARV) - Part 20: Weigh-in-motion monitoring - 3/3/2019, $165.00

WATER QUALITY (TC 147)

ISO/DIS 10872, Water and soil quality - Determination of the toxic effect of sediment and soil samples on growth, fertility and reproduction of Caenorhabditis elegans (Nematoda) - 5/4/2019, $82.00

ISO/DIS 13161, Water quality - Polonium 210 - Test method using alpha spectrometry - 3/2/2019, $71.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 9455-3, Soft soldering fluxes - Test methods - Part 3: Determination of acid value, potentiometric and visual titration methods - 3/4/2019, $40.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 18477-1/DAmd1, Information technology - Scalable compression and coding of continuous-tone still images - Part 1: Scalable compression and coding of continuous-tone still images - Amendment 1: Clarification of the upsampling process - 4/29/2019, $29.00

ISO/IEC 18477-8/DAmd1, Information technology - Scalable compression and coding of continuous-tone still images - Part 8: Lossless and near-lossless coding - Amendment 1: Clarification of the upsampling process - 4/29/2019, $29.00

ISO/IEC 23000-19/DAmd3, Information technology - Multimedia application format (MPEG-A) - Part 19: Common media application format (CMAF) for segmented media - Amendment 3: HEVC Media Profiles update, new CMAF Structural Brand and other improvements - 4/29/2019, $77.00

ISO/IEC DIS 18032, Information technology - Security techniques - Prime number generation - 3/4/2019, $102.00

ISO/IEC DIS 21471, Information technology - Automatic identification and data capture techniques - Extended Rectangular Data Matrix (DMRE) bar code symbology specification - 3/1/2019, $146.00

ISO/IEC DIS 22505, Information technology - Method for the determination of ink cartridge yield for monochrome inkjet printers and multi-function devices that contain inkjet printer components - 3/2/2019, $77.00

ISO/IEC DIS 23643, Software and systems engineering - Capabilities of software safety and security verification tools - 5/3/2019, $98.00

ISO/IEC DIS 24091, Information technology - Power efficiency measurement specification v3.0.3 - 4/29/2019, $146.00

ISO/IEC DIS 27007, Information technology - Security techniques - Guidelines for information security management systems auditing - 4/27/2019, $112.00

ISO/IEC DIS 10373-1, Cards and security devices for personal identification - Test methods - Part 1: General characteristics - 2/28/2019, $125.00

ISO/IEC DIS 19823-10, Information technology - Conformance test methods for security service crypto suites - Part 10: Crypto suite AES-128 - 3/1/2019, $125.00

OTHER

ISO/IEC DIS 17000, Conformity assessment - Vocabulary and general principles - 4/29/2019, $98.00

IEC Standards

11/260(F)/CDV, IEC 61897 ED2: Overhead lines - Requirements and tests for Aeolian vibration dampers, 2019/4/26

13/1783/CDV, IEC 62056-8-8 ED1: Electricity metering data exchange -- The DLMS/COSEM suite - Part 8-8: Communication profile for ISO/IEC 14908 series networks, 019/5/3/

23B/1280/CDV, IEC 60669-2-1 ED5: Switches for household and similar fixed electrical installations - Part 2-1: Particular requirements - Electronic switches, 019/5/3/

25/655/FDIS, ISO 80000-10 ED2: Quantities and units - Part 10: Atomic and nuclear physics, 2019/3/22

25/656/FDIS, ISO 80000-11 ED2: Quantities and units - Part 11: Characteristic numbers, 2019/3/22

25/657/FDIS, ISO 80000-9 ED2: Quantities and units - Part 9: Physical chemistry and molecular physics, 2019/3/22

25/658/FDIS, ISO 80000-2 ED2: Quantities and units - Part 2: Mathematics, 2019/3/22

25/649/FDIS, ISO 80000-3 ED1: Quantities and units - Part 3: Space and time, 2019/3/22

25/650/FDIS, ISO 80000-4 ED2: Quantities and units - Part 4: Mechanics, 2019/3/22

25/651/FDIS, ISO 80000-5 ED2: Quantities and units - Part 5: Thermodynamics, 2019/3/22

25/652/FDIS, ISO 80000-7 ED2: Quantities and units - Part 7: Light and radiation, 2019/3/22

25/653/FDIS, ISO 80000-8 ED1: Quantities and units - Part 8: Acoustics, 2019/3/22

25/654/FDIS, ISO 80000-12 ED2: Quantities and units - Part 12: Condensed matter physics, 2019/3/22

34/589/CDV, IEC 61547 ED3: Equipment for general lighting purposes - EMC immunity requirements, 019/5/3/

34/590/CDV, IEC 62386-105 ED1: Digital addressable lighting interface - Part 105: Particular requirements for control gear - Firmware Transfer, 019/5/3/

35/1415/CDV, IEC 60086-6 ED1: Primary batteries - Part 6: Guidance on environmental aspects, 019/5/3/

35/1420/FDIS, IEC 60086-4 ED5: Primary batteries - Part 4: Safety of lithium batteries, 2019/3/22

35/1421/CD, IEC 60086-1 ED13: Primary batteries - Part 1: General, 019/4/5/

37B/182/CD, IEC 61643-322 ED1: Components for low-voltage surge protective devices - Part 322: Selection and application principles for silicon PN-junction voltage limiters, 019/5/3/

46A/1373/CDV, IEC 61196-6-5 ED1: Coaxial communication cables - Part 6-5: Detail specification for CATV drop cables with screening class A++, 019/5/3/

48B/2724/CD, IEC 63171-4/ED.1: Connectors for electrical and electronic equipment - Part 4: Detail specification for 2-way, shielded or unshielded, free and fixed connectors: mechanical mating information, pin assignment and additional requirements for type 4, 019/4/5/

55/1746/CDV, IEC 60317-27-3 ED1: Specifications for particular types of winding wires - Part 27-3: Paper tape covered rectangular copper wire, 019/5/3/

57/2075/NP, PNW 57-2075: Communication networks and systems for power utility automation - Part 6-3: Configuration description language for physical resource related to IEDs in substation network systems, 019/5/3/

59L/170/NP, PNW 59L-170: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-15: Particular requirements for food waste disposers, 019/4/5/

61/5785/FDIS, IEC 60335-2-51 ED4: Household and similar electrical appliances - Safety - Part 2-51: Particular requirements for stationary circulation pumps for heating and service water installations, 2019/3/22

61/5786/FDIS, IEC 60335-2-11 ED8: Household and similar electrical appliances - Safety - Part 2-11: Particular requirements for tumble dryers, 2019/3/22

80/911/CDV, IEC 61162-460/AMD1 ED2: Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 460: Multiple talkers and multiple listeners - Ethernet interconnection - Safety and security, 019/5/3/

82/1562/CD, IEC TS 62257-7-2 ED1: Recommendations for small renewable energy and hybrid systems for rural electrification - Part 7 -2: Generator set - Off-grid wind turbines, 019/4/5/

82/1539/CDV, IEC 60904-9 ED3: Photovoltaic devices - Part 9: Classification of solar simulator characteristics, 019/5/3/

86A/1928/CD, IEC 60794-3-70 ED2: Optical fibre cables - Part 3-70: Outdoor cables - Family specification for outdoor optical fibre cables for rapid/multiple deployment, 019/5/3/

86A/1917(F)/CDV, IEC 60794-1-21/AMD1 ED1: Optical fibre cables - Part 1-21: Generic specification - Basic optical cable test procedures - Mechanical tests methods, 2019/4/26

87/708/CDV, IEC 60565-1 ED1: Underwater acoustics - Hydrophones - Calibration of hydrophones, Part 1: Procedures for free-field calibration, 019/5/3/

89/1467/CD, IEC TS 60695-11-40 ED2: Fire hazard testing - Part 11 -40: Test flames - Confirmatory tests - Guidance, 019/5/3/

100/3189(F)/CDV, IEC 62680-1-2 ED4: Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification, 2019/4/19

100/3198/CDV, IEC 62574 ED2: Audio, video and multimedia systems - General channel assignment of multichannel audio, 019/5/3/

100/3221/CD, IEC 60958-5 ED1: Digital audio interface - Part 5: Consumer application enhancement, 019/4/5/

103/181/NP, PNW 103-181: Transmitting equipment for radiocommunication - Radio-over-fibre technologies and their performance standard - Part 3: Radio over fibre based remote radar for foreign object and debris (FOD) detection system, 019/5/3/

103/183/NP, PNW 103-183: Transmitting equipment for Radio communication - Frequency response of optical to electrical conversion device in high frequency radio over fibre systems - Part 2: Measurement method of common mode rejection ratio of optical coherent receiver, 019/5/3/

103/180/NP, PNW 103-180: Transmitting equipment for radiocommunication - Radio-over-fibre technologies and their performance standard - Part 2: Radio over fibre based fronthaul network for train communication network, 019/5/3/

103/182/NP, PNW 103-182: Transmitting equipment for radiocommunication - Frequency response of optical-to-electric conversion device in high-frequency radio over fibre systems - Part 3: Measurement method of nonlinear response of optical-to-electric converter, 019/5/3/

104/820/CDV, IEC 60721-3-0 ED2: Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities. Introduction, 019/5/3/

110/1073/CDV, IEC 62715-6-3 ED1: Flexible display devices - Part 6 -3: Mechanical test methods - Impact and hardness tests, 019/5/3/

114/306/DTS, IEC TS 62600-2 ED2: Marine energy - Wave, tidal and other water current converters - Part 2: Design requirements for marine energy systems, 019/5/3/

121A/279/CD, IEC 60947-9-2 ED1: Low-voltage switchgear and controlgear - Active arc-fault mitigation systems - Part 9-2: Optical-based internal arc-detection and mitigation devices, 019/5/3/

CIS/D/455/CD, CISPR 36 ED1: Electric and hybrid electric road vehicles - Radio disturbance characteristics - Limits and methods of measurement for the protection of off-board receivers below 30 MHz, 019/5/3/

CIS/I/611/CD, Amendment 1 - CISPR 35: Electromagnetic compatibility of multimedia equipment - Immunity requirements, 019/4/5/

JTC1-SC41/90/DTR, ISO/IEC TR 30148 ED1: Internet of Things (IoT) - Application of sensor network for wireless gas meters, 019/4/5/

Newly Published ISO & IEC Standards

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

ISO Standards

ACOUSTICS (TC 43)

ISO 13473-1:2019, Characterization of pavement texture by use of surface profiles - Part 1: Determination of mean profile depth, $185.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO 6182-14:2019, Fire protection - Automatic nozzle systems - Part 14: Requirements and test methods for water spray nozzles, $68.00

FIRE SAFETY (TC 92)

ISO 24679-1:2019, Fire safety engineering - Performance of structures in fire - Part 1: General, $162.00

FLUID POWER SYSTEMS (TC 131)

ISO 19973-2/Amd1:2019, Pneumatic fluid power - Assessment of component reliability by testing - Part 2: Directional control valves - Amendment 1, $19.00

FURNITURE (TC 136)

ISO 7171:2019, Furniture - Storage units - Test methods for the determination of stability, $138.00

IMPLANTS FOR SURGERY (TC 150)

ISO 5832-9:2019, Implants for surgery - Metallic materials - Part 9: Wrought high nitrogen stainless steel, $45.00

ISO 5832-14:2019, Implants for surgery - Metallic materials - Part 14: Wrought titanium 15-molybdenum 5-zirconium 3-aluminium alloy, $45.00

INNOVATION MANAGEMENT (TC 279)

ISO 56003:2019, Innovation management - Tools and methods for innovation partnership - Guidance, $138.00

LIGHT AND LIGHTING (TC 274)

ISO/CIE TS 22012:2019, Light and lighting - Maintenance factor determination - Way of working, $162.00

LIGHT METALS AND THEIR ALLOYS (TC 79)

ISO 18771:2019, Anodizing of aluminium and its alloys - Method to test the surface abrasion resistance using glass-coated abrasive paper, $68.00

MEASUREMENT OF FLUID FLOW IN CLOSED CONDUITS (TC 30)

ISO 5167-6:2019, Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full - Part 6: Wedge meters, $103.00

NUCLEAR ENERGY (TC 85)

ISO 9161:2019, Uranium dioxide powder - Determination of apparent density and tap density, $68.00

ISO 18195:2019, Method for the justification of fire partitioning in water cooled nuclear power plants (NPP), $209.00

PIGMENTS, DYESTUFFS AND EXTENDERS (TC 256)

ISO 21683:2019, Pigments and extenders - Determination of experimentally simulated nano-object release from paints, varnishes and pigmented plastics, $138.00

ISO 787-25:2019, General methods of test for pigments and extenders - Part 25: Comparison of the colour, in full-shade systems, of white, black and coloured pigments - Colorimetric method, $68.00

PLASTICS (TC 61)

ISO 3451-1:2019, Plastics - Determination of ash - Part 1: General methods, $68.00

ISO 11359-3:2019, Plastics - Thermomechanical analysis (TMA) - Part 3: Determination of penetration temperature, $45.00

ROAD VEHICLES (TC 22)

ISO 8820-6:2019, Road vehicles - Fuse-links - Part 6: Single-bolt fuse-links, $68.00

STEEL (TC 17)

ISO 10893-6:2019, Non-destructive testing of steel tubes - Part 6: Radiographic testing of the weld seam of welded steel tubes for the detection of imperfections, $103.00

ISO 10893-7:2019, Non-destructive testing of steel tubes - Part 7: Digital radiographic testing of the weld seam of welded steel tubes for the detection of imperfections, $103.00

ISO 15630-1:2019, Steel for the reinforcement and prestressing of concrete - Test methods - Part 1: Reinforcing bars, rods and wire, $138.00

ISO 15630-2:2019, Steel for the reinforcement and prestressing of concrete - Test methods - Part 2: Welded fabric and lattice girders, $138.00

ISO 15630-3:2019, Steel for the reinforcement and prestressing of concrete - Test methods - Part 3: Prestressing steel, $162.00

TEXTILES (TC 38)

ISO 21084:2019, Textiles - Method for determination of alkylphenols (AP), $68.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 789-6:2019, Agricultural tractors - Test procedures - Part 6: Centre of gravity, $138.00

ISO 10517:2019, Powered hand-held hedge trimmers - Safety, $162.00

TRADITIONAL CHINESE MEDICINE (TC 249)

ISO 21316:2019, Traditional Chinese medicine - Isatis indigotica root, $103.00

ISO 21370:2019, Traditional Chinese medicine - Dendrobium officinale stem, $103.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO 17262/Amd1:2019, Intelligent transport systems - Automatic vehicle and equipment identification - Numbering and data structures - Amendment 1, $19.00

ISO 17264/Amd1:2019, Intelligent transport systems - Automatic vehicle and equipment identification - Interfaces - Amendment 1, $19.00

ISO 24534-4/Amd1:2019, Automatic vehicle and equipment identification - Electronic registration identification (ERI) for vehicles - Part 4: Secure communications using asymmetrical techniques - Amendment 1, $19.00

ISO 24534-5/Amd1:2019, Intelligent transport systems - Automatic vehicle and equipment identification - Electronic Registration Identification (ERI) for vehicles - Part 5: Secure communications using symmetrical techniques - Amendment 1, $19.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO 13588:2019, Non-destructive testing of welds - Ultrasonic testing - Use of automated phased array technology, $138.00

ISO Technical Reports

INNOVATION MANAGEMENT (TC 279)

ISO/TR 56004:2019, Innovation Management Assessment - Guidance, $162.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/TR 24097-3:2019, Intelligent transport systems - Using web services (machine-machine delivery) for ITS service delivery - Part 3: Quality of service, $185.00

ISO Technical Specifications

GRAPHIC TECHNOLOGY (TC 130)

ISO/TS 15311-1:2019, Graphic technology - Print quality requirements for printed matter - Part 1: Measurement methods and reporting schema, $162.00

WATER QUALITY (TC 147)

ISO/TS 21231:2019, Water quality - Characterization of analytical methods - Guidelines for the selection of a representative matrix, $162.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 15961-3:2019, Information technology - Data protocol for radio frequency identification (RFID) for item management - Part 3: RFID data constructs, $103.00

ISO/IEC/IEEE 41062:2019, Software engineering - Recommended practice for software acquisition, $209.00

ISO/IEC/IEEE 24748-7:2019, Systems and software engineering - Life cycle management - Part 7: Application of systems engineering on defense programs, $209.00

ISO/IEC/IEEE 24748-8:2019, Systems and software engineering - Life cycle management - Part 8: Technical reviews and audits on defense programs, $232.00

IEC Standards

FUEL CELL TECHNOLOGIES (TC 105)

IEC 62282-3-100 Ed. 2.0 b:2019, Fuel cell technologies - Part 3-100: Stationary fuel cell power systems - Safety, $352.00

S+ IEC 62282-3-100 Ed. 2.0 en:2019 (Redline version), Fuel cell technologies - Part 3-100: Stationary fuel cell power systems - Safety, $457.00

LAMPS AND RELATED EQUIPMENT (TC 34)

IEC 62386-333 Ed. 1.0 b:2018, Digital addressable lighting interface - Part 333: Particular requirements for control devices - Manual configuration (feature type 33), $164.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

IEC 60335-2-76 Ed. 3.0 b:2018, Household and similar electrical appliances - Safety - Part 2-76: Particular requirements for electric fence energizers, $317.00

SAFETY OF MEASURING, CONTROL, AND LABORATORY EQUIPMENT (TC 66)

IEC 61010-2-010 Ed. 4.0 b:2019, Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2 -010: Particular requirements for laboratory equipment for the heating of materials, $164.00

IEC 61010-2-081 Ed. 3.0 b:2019, Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2 -081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes, $47.00

S+ IEC 61010-2-010 Ed. 4.0 en:2019 (Redline version), Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-010: Particular requirements for laboratory equipment for the heating of materials, $213.00

S+ IEC 61010-2-081 Ed. 3.0 en:2019 (Redline version), Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes, $107.00

SWITCHGEAR AND CONTROLGEAR (TC 17)

IEC 62271-111 Ed. 3.0 b:2019, High-voltage switchgear and controlgear - Part 111: Automatic circuit reclosers for alternating current systems up to and including 38 kV, $387.00

IEC Technical Specifications

FLAT PANEL DISPLAY DEVICES (TC 110)

IEC/TS 62977-3-1 Ed. 1.0 en:2019, Electronic displays - Part 3-1: Evaluation of optical performances - Colour difference based viewing direction dependence, $235.00

Proposed Foreign Government Regulations

Call for Comment

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

The USA Inquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Inquiry Point distributes the notified proposed foreign technical regulations (notifications) and makes the associated full-texts available to U.S. stakeholders via its online service, Notify U.S. Interested U.S. parties can register with Notify U.S. to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them.

To register for Notify U.S., please visit http://www.nist.gov/notifyus/.

The USA WTO TBT Inquiry Point is the official channel for distributing U.S. comments to the network of WTO TBT Enquiry Points around the world. U.S. business contacts interested in commenting on the notifications are asked to review the comment guidance available on Notify U.S. at https://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm prior to submitting comments.

For further information about the USA TBT Inquiry Point, please visit: https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point

Contact the USA TBT Inquiry Point at:(301) 975-2918; Fax: (301) 926-1559; E-mail: usatbtep@nist.gov or notifyus@nist.gov.

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI Accredited Standards Developers

Approval of Reaccreditation

ASTM

The reaccreditation of ASTM, an ANSI member and Accredited Standards Developer (ASD), has been approved at the direction of ANSI's Executive Standards Council, under its recently revised Regulations Governing ASTM Technical Committees for documenting consensus on ASTM-sponsored American National Standards, effective February 11, 2019. For additional information, please contact: Ms. Jennifer Rodgers, Director, Technical Committee Operations, ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959; phone: 610.832.9694; e-mail: jrodgers@astm.org.

Electrical Apparatus Service Association (EASA)

The reaccreditation of the Electrical Apparatus Service Association (EASA), an ANSI member and Accredited Standards Developer (ASD), has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on EASA-sponsored American National Standards, effective February 12, 2019. For additional information, please contact: Mr. Thomas Bishop, Senior Support Technical Specialist, Electrical Apparatus Service Association, 1331 Baur Road, St. Louis, MO 63132; phone: 314.993.2220; e-mail: tbishop@easa.com.

Health Industry Business Communications Council (HIBCC)

The reaccreditation of the Health Industry Business Communications Council (HIBCC), an ANSI member and Accredited Standards Developer (ASD), has been approved at the direction of ANSI's Executive Standards Council, under its recently revised standard operating procedures for documenting consensus on HIBCC-sponsored American National Standards, effective February 11, 2019. For additional information, please contact: Ms. Allison Mehr, Vice-President, Health Industry Business Communications Council, 2525 E. Arizona Biltmore Circle, Suite 127, Phoenix, AZ 85016; phone: 602.381.1091, ext. 101; e-mail: allisonmehr@hibcc.org.

Reaccreditation

Cool Roof Rating Council (CRRC)

Comment Deadline: March 18, 2019

The Cool Roof Rating Council (CRRC), an ANSI member and Accredited Standards Developer (ASD), has submitted revisions to its currently accredited operating procedures for documenting consensus on CRRC-sponsored American National Standards, under which it was last reaccredited in 2014. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Ms. Sarah Schneider, Deputy Director, Cool Roof Rating Council, 2435 North Lombard Street, Portland, OR 97217; phone: 503.606.8448, ext. 502; e-mail: sarah@coolroofs.org. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR Please submit any public comments on the revised procedures to Ms. Schneider by March 18, 2019, with a copy to the ExSC Recording Secretary in ANSI's New York Office (e-mail: Jthompso@ANSI.org).

ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies

Withdrawal

The Standards Institution of Israel

Comment Deadline: March 17, 2019

In accordance with the following standard: ISO 14065:2013 Greenhouse gases—Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

The Standards Institution of Israel
Avital Weinberg
42 Chaim Levanon St
Tel-Aviv 69977, Israel
Phone: 972-3-6465055
E-mail: avital_w@sii.org.il

On February 11, 2019, ANSI's Greenhouse Gas Validation/Verification Body Accreditation Committee voted to withdraw the accreditation of The Standards Institution of Israel for the following:

Activity and Scopes

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

1. General
2. Manufacturing

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

1. GHG emission reductions from fuel combustion

Please send your comments by March 17, 2019 to Ann Howard, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036; Fax: 202-293-9287 or e-mail: ahoward@ansi.org.

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

TC 34/SC 15 – Coffee

There is currently no ANSI-accredited U.S. TAG Administrator for TC 34/SC 15, and therefore ANSI has relinquished membership in this committee. The Secretariats for this subcommittee is currently held by Colombia (ICONTEC).

TC 34/SC 15 operates under the following scope:

Standardization in the field of coffee and coffee products, covering the coffee chain from green coffee to consumption, in particular. Standardization includes terminology, sampling, test methods and analysis, product specifications and requirements for packaging, storage and transportation

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG for this subcommittee should contact ANSI's ISO Team (isot@ansi.org).

ISO/TC 292 – Security and Resilience

ANSI has been informed that ASIS International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 292, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 292 operates under the following scope:

Standardization in the field of security to enhance the safety and resilience of society.

Excluded: Sector specific security projects developed in other relevant ISO committees and projects developed in ISO/TC 262 and ISO/PC 278.

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG should contact ANSI's ISO Team (isot@ansi.org).

Meeting Notices

AGA (ASC B109) American Gas Association

An ANSI B109 breakout session will be held in conjunction with AGA's Spring Customer Field Service & Measurement committee meeting on April 30th, 2019 from 1:00 to 3:00 pm EST at the Gaylord Opryland Convention Center, Nashville. TN. Please contact Jeff Meyers at jmeyers@aga.org for details and how to register.

BSR/IIAR 6-201x

Standard for Inspection, Testing, and Maintenance of Closed-Circuit Ammonia Refrigeration Systems

IIAR 6

Public Review #5 Draft

Note: This document shows substantive changes made subsequent to the third public review. Certain portions of the original text remain to provide the reader with some context and certain portions of the original text that were removed are not shown from editorial corrections or to prevent and avoid confusion. Note the section numbers when reviewing as they are not in full sequence. Sections and table content with no substantive changes were removed. You are invited to provide comments on only the striked-through (in Red) or the underlined (in Green) changes. Understand the content clearly before you submit a comment. Do not submit questions or opinions as comments. If you do not understand the content, contact the IIAR at 1-703-312-4200.

Legend:

1) New words are underlined and Green.
2) Removed words are striked-through and ~~Red~~.

International Institute of Ammonia Refrigeration
1001 North Fairfax Street, Suite 503
Alexandria, VA 22314
Phone: (703) 312-4200
Fax: (703) 312-0065
www.iiar.org

5.3.3

4. Relief valve list with PRV manufacturer, PRV model number and set pressure, and where applicable, the three-way valve manufacturer and model number.

5.3.6.6
*Pressure relief valve records shall include the pressure relief device identification, equipment identification that it is installed on, the relief valve list ~~with set pressure and rated capacity~~ per Section 5.3.3 Item 4, and the date of installation.

TABLE 8.1
Condensers Inspection, Testing, and Maintenance Tasks

ITM Task Description	Frequency			
	Evaporative	**Shell-and-Tube**	**Plate-Heat Exchanger**	**Air-Cooled**
Maintenance				
e) Lubricate condenser fan and/or pump electric motor bearings	WA-S	~~NA~~WA-S	~~NA~~WA-S	WA-S

TABLE 9.1
Evaporators Inspection, Testing, and Maintenance Tasks

ITM Task Description	Frequency								
Inspection	Forced- Air	Shell-and-Tube	Plate-Heat Exchanger	Scraped (Swept) Surface Heat Exchanger	Jacketed Tank or Crystallizer Tank	Ice Builder	Bunker Coil	Makeup Air/Make-up Hygienic With Heat	Falling Film Heat Exchanger
e) Verify fan guards are in place and have no obstructions	WA-M	NA	NA	NA	NA	WA-S	NA	~~NA~~WA-M	NA

10.1.1.1.2.2
Where the pressure vessel is determined not to be suitable for continued operation, the owner shall proceed in a timely manner with one of the following methods:

1. Re-rate the pressure vessel to a lower design pressure.
2. ~~The pressure vessel shall be repaired~~ Repair the pressure vessel by an ASME "R" Stamp holder.
3. ~~The pressure vessel shall be permanently retired~~ Retire the pressure vessel from service (For decommissioning, See ANSI/IIAR 8).
4. Replace the pressure vessel.

TABLE 13.1
Overpressure Protection Devices Inspection, Testing, and Maintenance Tasks

ITM Task Description	Frequency	
	PRV	**Hydrostatic/Internal**
Inspection		
Pressure Relief Valve (PRV):		
e) Verify stop valves in relief discharge piping are locked open or car-sealed open with appropriate administrative controls	WA-A	WA-A

Appendix A. (Informative) Explanatory Material

A.10.1.1
General corrosion implies surface rust and/or oxidation staining which, by itself, has not ~~caused materially thickness wall loss~~ materially reduced the remaining wall thickness.

A.10.1.3
Steel pressure vessels used in closed-circuit ammonia refrigeration systems are not susceptible to wall loss due to internal corrosion where excessive water contamination and non-condensables are managed.

A.13.1
When the cartridge is replaced for a cartridge style pressure relief valve (PRV), the PRV is considered replaced.

Operational indications for when a Hydrostatic/Internal Overpressure Protection Device is not operating correctly may include surging and fluctuating of pressures and temperatures, changes in equipment operating noise, or a combination of both. The operations could result in loss of equipment capacity and higher energy usage.

Appendix B. (Informative) Ammonia Refrigeration System Checklists

Pressure Relief System - Inspection Items
t) Stop valves in relief discharge piping are locked open or car-sealed open with appropriate admininistrative controls?

Comments on NECA 417-201X, Recommended Practice for Designing, Installing, Operating and Maintaining Microgrids

E: editorial, G: General, T: Technical Note: **Please do not re-size table**
ID: Company with comment # (do not automate comment #)

Page	Line	Clause	E/G	Organization	Comment (rationale)	Proposed change (specific; add, delete. From-to)	Resolution (SME ONLY)
10	33	3.1	E	GWM	Recommend deleting the second use of the word “while” from the following sentence, “Microgrids are an electrical distribution system or portion of a system that contains at least one distributed energy resource and associated controllable loads that can be operated in a controlled, coordinated way while either grid-connected or ~~while~~ not grid-connected (islanding) (see Figure 3.1),” for clarity.	Recommend deleting the second use of the word “while” from the following sentence, “Microgrids are an electrical distribution system or portion of a system that contains at least one distributed energy resource and associated controllable loads that can be operated in a controlled, coordinated way while either grid-connected or ~~while~~ not grid-connected (islanding) (see Figure 3.1),” for clarity.	Accepted.
18	13-14	4.1.2	E	GWM	Recommend deleting the first use of the word “both” in the following sentence, “The microgrid control system must be capable of staging ~~both~~ distributed energy resources, generation, energy storage, or both, onto the microgrid electrical distribution system, along with staging loads less than or equal to the generating capacity of the connected energy resources,” for clarity.	Recommend deleting the first use of the word “both” in the following sentence, “The microgrid control system must be capable of staging ~~both~~ distributed energy resources, generation, energy storage, or both, onto the microgrid electrical distribution system, along with staging loads less than or equal to the generating capacity of the connected energy resources,” for clarity.	Accepted.
20	9	5,2	E	GWM	Recommend deleting the words “or more” from the following sentence, “IEEE 1547 is not generally intended to address distributed generation with capacity in excess of 10 MVA ~~or more~~, generation sources of other than 60 Hertz operation, protection, control, or operating requirements of generation sources, or automatic transfer schemes with momentary (100 ms or less) closed-transition (make-before-break) operation,” for clarity.	Recommend deleting the words “or more” from the following sentence, “IEEE 1547 is not generally intended to address distributed generation with capacity in excess of 10 MVA ~~or more~~, generation sources of other than 60 Hertz operation, protection, control, or operating requirements of generation sources, or automatic transfer schemes with momentary (100 ms or less) closed-transition (make-before-break) operation,” for clarity.	Accepted.
23	21	5.2.7	E	GWM	Recommend including the metric units in the following sentence, “Be clearly, permanently marked ‘Distributed Generation Disconnect Switch,’ with letters ***10 mm*** (3/8 inch) or larger.”	Recommend including the metric units in the following sentence, “Be clearly, permanently marked ‘Distributed Generation Disconnect Switch,’ with letters ***10 mm*** (3/8 inch) or larger.”	Accepted.

Comments on NECA 417-201X, Recommended Practice for Designing, Installing, Operating and Maintaining Microgrids

E: editorial, G: General, T: Technical Note: **Please do not re-size table**

ID: Company with comment # (do not automate comment #)

[Note – the recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by grey highlighting. Rationale Statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF International Standard /
American National Standard
and 3-A Standard 14159-1

Hygiene Requirements for the Design of Meat and Poultry Processing Equipment

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•
•

NSF International Standard/
American National Standard
and 3-A Standard 14159-2

Hygiene Requirements for the Design Of Handheld Tools Used in Meat and Poultry Processing

•
•
•

NSF International Standard/
American National Standard
and 3-A Standard 14159-3

Hygiene Requirements for the Design of Mechanical Belt Conveyors Used in Meat and Poultry Processing

•
•
•

2 Normative references

•

~~IEEE/ASTM SI 10-2002, *Standard for the Use of the International System of Units (SI): The Modern Metric System*~~

IEEE/ASTM SI 10—2016, *American National Standard for Metric Practice*

Rationale: *The reference for practicing Metric Units is out of date and this revision brings the Food Production Equipment Standards up to date.*

[Note – the recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by grey highlighting. Rationale Statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI International Standard
for Food Equipment —

Water Heaters, Hot Water Supply Boilers, and Heat Recovery Equipment

•

7 Product Literature

Water heaters shall be provided with the efficiency rating used to establish compliance with national energy requirements which may be used to determine appropriate product applications. Immersion type electric water heaters shall all be considered to be 98% efficient instead of being required to be provided with individual efficiency ratings.

~~NOTE—Immersion type electric water heaters shall be considered to be 98% efficient.~~

Rationale: *language in this NOTE is normative and should be moved within the body of the paragraph, and not within an Informative 'NOTE'*

Tracking #14i101r1 **Revision to NSF/ANSI 14-2018**
 Draft 1, Issue 101 (January 2019)

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

NSF/ANSI Standard
for Plastics —

Plastics piping system components and related materials

•
•
•

5.5 PVC ingredients

Generic ingredients ~~(titanium dioxides, calcium stearates, calcium carbonates, paraffinic hydrocarbon waxes, and polyethylene waxes)~~ (Calcium Stearate, Paraffin Wax, Polyethylene Wax, Titanium Dioxide, Calcium Carbonate) intended for use in PVC compounds shall comply with the chemical and physical properties in PPI Technical Report Number 2 (TR-2) Parts A.2, A.3, A.4, A.5 and A.6 respectively. Other ingredients intended for use in PVC compounds shall comply with PPI TR-2 Part B.

•
•
•

9.3 Generic ingredients

The quality assurance program shall ensure that ~~each lot of generic ingredient complies with the requirements of Section 5.5~~ generic ingredients comply with the requirements of 5.5 when tested according to the frequencies in Table 9.31. Records shall be maintained according to Section 9.5.

•
•
•

Table 9.31 – Quality assurance requirements for materials suppliers, and special compounders, and generic ingredient suppliers[1]

Cell classification verification – Material suppliers and special compounders Material suppliers and special compounders shall check their manufactured and blended materials for all of the parameters in the cell classification on a semiannual basis (twice per year)[2]. Records of the test data shall be maintained at each production facility.
Lot-by-lot quality control – Material suppliers The following tests shall be performed on each lot produced. Records of the test results shall be maintained at each production facility. RVCM (PVC/CPVC compound for potable water application) For CPVC, RVCM analysis shall be performed either on the PVC resin prior to chlorination or on the finished CPVC compound. In either case, the maximum permissible level is 3.2 mg/kg.
Generic ingredients Generic Ingredient suppliers shall perform analysis on a semiannual basis (twice per year), to verify compliance with section 5.5 of this standard. Records of this test data shall be maintained at each production facility.
[1] Cross-linked polyethylene (PEX) materials are excluded from evaluation according to this table since cell classification parameters do not exist. [2] The HDB requirement is excluded since it is a qualification test.

Tracking #50i149r1 **Revision to NSF/ANSI 50-2017**

Draft 1, Issue 149 (January 2019)

[Note – the recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by grey highlighting. Rationale Statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI Standard

Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and other Recreational Water Facilities

Evaluation criteria for materials, components, products, equipment, and systems for use at recreational water facilities

-
-
-

Annex A
(normative)

Materials review and qualification methods

-
-
-

A.3 Exposure testing

A.3.3 Exposure water

The condition of exposure water shall be based on the nature of the contaminant of concern. Exposure water having the following characteristics shall be prepared (note that parameters, especially temperature, may change during the exposure period):

	Extraction of metals / inorganics / organics	~~**Extraction of organics**~~
pH range	7.2 - 7.4	~~7.2 - 7.4~~
chlorine	2.0 ± 0.2 mg/L	~~0.0 mg/L~~
hardness (as $CaCO_3$)	150 ± 10 mg/L	~~150 ± 10 mg/L~~
temperature	100 ± 10 °F (38 ± 5 °C)	~~100 ± 10 °F (38 ± 5 °C)~~

[Note – the recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by grey highlighting. Rationale Statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI Standard
for 342 Sustainability Assessment for Wallcovering Products

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5.2.3 Health Product Declaration (HPD)

The manufacturer shall receive one point if it completes a product specific-Health Product Declaration (HPD) conducted in accordance with the requirements in Health Product Declaration Standard. The HPD shall be validated by an independent third party for the product undergoing assessment.

NOTE:
Product specific Health Product Declaration (HPD) are developed by an individual manufacturing organization for a specific wallcovering product to create an HPD that addresses the specific health associated characteristics of a specific wallcovering product with information specific to the product design and construction.

5.2.4 Environmental Product Declaration (EPD)

The manufacturer shall receive two points if it participates in the development of an industry-wide EPD through mutual cooperation with other manufacturers making essentially similar products in accordance with ISO 14025 following the requirements of a consensus-based Product Category Rule (PCR). The contribution to the industry-wide EPD shall cover the product category undergoing assessment. The EPD shall be validated by an independent third party.

The manufacturer shall receive four points if it completes a product specific EPD in accordance with ISO 14025 following the requirements of a consensus-based Product Category Rule (PCR). The EPD shall be validated by an independent third party for the product undergoing assessment.

NOTE:
Industry-wide specific Environmental Product Declaration (EPD) are developed with the cooperation of multiple industry representatives representing different manufacturers to create an EPD that addresses the general environmental characteristic of a wallcovering product class with similar product design and construction.

Product specific Environmental Product Declaration (EPD) are developed by an individual manufacturing organization for a specific wallcovering product to create an EPD that addresses the specific environmental characteristic of a specific wallcovering product with information specific to the product design and construction.

5.3.2 Environmentally sustainable inputs – product

5.3.2.1 For the product undergoing assessment, the manufacturer shall declare the total quantity of environmentally sustainable inputs, specified on a percentage weight basis. "The manufacturer shall receive two points per 5.0% recycled content, bio-based resource content, and/or environmentally preferable content. The manufacturer shall receive 1 point for 5% of pre-consumer recycled content, bio-based resource content, and/or environmentally preferable content. ~~The manufacturer shall receive two points per 5.0% environmentally preferable content.~~ A maximum of ~~sixteen~~ eleven points shall be awarded for 5.3.2.1.

Recycled content quantity shall be calculated as follows:

- post-consumer recycled content shall be valued at 100% weight basis; and
- pre-consumer recycled content shall be valued at 50% weight basis.

Bio-based resource content shall be calculated as follows:

- bio-based resources sourced from operations operating in conformance with internationally recognized organic, sustainable agriculture, or sustainable forestry criteria shall be valued at 100% basis, and

- all other bio-based resources shall be valued at 50% weight basis.

Environmentally preferable content shall be calculated as follows:

- materials demonstrated to have a lower environmental footprint than a post-consumer material or sustainable/organic bio-based resource alternative shall be valued at 100% weight basis; and

- materials demonstrated to have a lower environmental footprint than a pre-consumer material or bio-based resource alternative shall be valued at 50% weight basis.

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Annex A
(normative)

Scoring System Sustainable product assessment – Wallcovering Mfg & Distribution

Criteria	Description	Max Mfg Points	Max Dist Points
Section 5	**Product Design**		
5.2.1	Environmental Considerations in Design	2	1
5.2.2	LCA or DfE Assessment	8	1
5.2.3	Health Product Declaration (HPD)	1	N/A
5.2.4	Environmental Product Declaration (EPD)	4	N/A
5.3.1	Inventory of material inputs	2	1
5.2.3	Health Product Declaration (HPD) or equivalent	1	N/A
5.2.4	Environment Product Declaration (EPD) or equivalent	4	N/A

5.3.2	Environmentally sustainable inputs – product	11 ~~16~~	2
5.3.3	Environmentally sustainable inputs – packaging	4	2
5.4.1	Identification of use of chemicals of concern	pre-requisite	N/A
5.4.2	Minimization of known chemicals of concern in product	8	N/A
5.4.3	Minimization of known chemicals of concern in attachment systems	2	N/A
5.4.4	Elimination of chemicals with upstream concerns	4	N/A
5.5.1	Supplier environmental disclosure	2	N/A
5.5.2	Supplier environmental performance disclosure	4	2
	Section Total	**52**	**9**

Criteria	Description	Max Mfg Points	Max Dist Points
Section 6	**Intelligent Product Manufacturing**		
6.2.1	Environmental Management System	2	1
6.2.2	Registered EMS system	2	1
6.2.3	Maintaining environmental attributes	2	N/A
6.3.1	Energy inventory	2	1
6.3.2	Reduction of environmental impact of energy input	20	10
6.4.1	Water use inventory	2	1
6.4.2	Reduced water consumption	2	1
6.4.3	Water quality	4	N/A
6.5.1	Waste minimization program	2	1
6.5.2	Waste minimization	4	3
6.5.3	Packaging minimization	3	2
6.6.1	Greenhouse gas loadings	2	1
6.6.2	Greenhouse gas reduction goals	2	N/A
6.6.3	Greenhouse gas reductions	6	N/A
6.6.4	PBT reductions	4	N/A
	Section Total	**59**	**22**

Criteria	Description	Max Mfg Points	Max Dist Points
Section 7	**Long-Term Value**		
7.2.1	Durability	8	N/A
7.2.2	Fire Resistance & Smoke Density	4	N/A
7.3.1	Minimal Long Term Indoor VOC Emissions	8	N/A
7.3.2	De Minimis Indoor Carcinogenic VOC Emissions	2	N/A
7.4.1	Elimination of Chemicals of Concern From Cleaning Products	2	N/A
7.4.2	Control of VOC Emissions from Cleaning Products	2	N/A

	Section Total	**26**	**0**

Criteria	Description	Max Mfg Points	Max Dist Points
Section 8	**End of Life Management**		
8.1.1	Product Recyclability	4	N/A
8.1.2	Compostability	2	N/A
8.1.3	Post-Consumer Collection Operations	2	1
8.2.1	Post-Consumer Reclamation	6 ~~4~~	N/A
8.2.2	Corporate Investment in Reclamation	6	3
	Section Total	**20**	**4**

Criteria	Description	Max Mfg Points	Max Dist Points
Section 9	**Corporate Governance**		
9.2.1.	Supplier social accountability	1	1
9.2.2	Supplier social accountability disclosure	2	N/A
9.2.3	Preliminary Disclosure	1	1
9.2.4	Comprehensive Disclosure	1	N/A
9.3.1	Employee Turnover	1	1
9.3.2	Employee Injury Rate	2	1
9.3.3	Right to Collective Bargaining	1	1
9.3.4	Prevention of Discrimination	pre-requisite	pre-requisite
9.3.5	Prohibitions on Forced Labor	pre-requisite	pre-requisite
9.3.6	Prohibitions on Child Labor	pre-requisite	pre-requisite
9.3.7	Living Wages/Remuneration	1	1
9.4.1	Community Financial Investment	1	1
9.4.2	Employee Participation	1	1
9.4.3	Local Recruiting	1	1
9.4.4	Participation in governmental environmental excellence	1	1
9.5.1	Profitability	1	1
9.5.2	Investment in research and development	1	1
9.5.3	Vendor/Supplier Satisfaction	1	1
9.6	Supplier audits	2	N/A
	Section Total	**19**	**13**

Criteria	Description	Max Mfg Points	Max Dist Points
Section 10	**Innovation**	6	2
	Section Total	**6**	**2**

Criteria	Description	Max Mfg Points	Max Dist Points
Section 7	**Long-Term Value**		
7.2.1	Durability	8	N/A
7.2.2	Fire Resistance & Smoke Density	4	N/A
7.3.1	Minimal Long Term Indoor VOC Emissions	8	N/A
7.3.2	De Minimis Indoor Carcinogenic VOC Emissions	2	N/A
7.4.1	Elimination of Chemicals of Concern From Cleaning Products	2	N/A
7.4.2	Control of VOC Emissions from Cleaning Products	2	N/A
	Section Total	**26**	**0**

Criteria	Description	Max Mfg Points	Max Dist Points
Section 8	**End of Life Management**		
8.1.1	Product Recyclability	4	N/A
8.1.2	Compostability	2	N/A
8.1.3	Post-Consumer Collection Operations	2	1
8.2.1	Post-Consumer Reclamation	6	N/A
8.2.2	Corporate Investment in Reclamation	6	3
	Section Total	**20**	**4**

BSR/UL 823, Standard for Safety for Electric Heaters *for Use in Hazardous (Classified) Locations*

1. Revisions to Add New Clause 21.2A for Non-Drying Thickened Mineral Oil-Based Thread Sealant

PROPOSAL

21.2A A corrosion inhibiting, non-drying, thickened mineral oil-based sealant that does not contain metal particles shall be permitted to be applied to threaded joints.

BSR/UL 827, Standard for Safety for Central-Station Alarm Services

PROPOSALS

1. Proposed Changes to Section 11, Power Supply

11.7.4 Batteries shall be marked with the date they were ~~placed into service~~ manufactured and the date of replacement based on the manufacturer's data for their life expectancy. The marking shall be on the batteries, displayed on the cabinet in which the batteries are housed, or on the control panel of a UPS to which the batteries are connected. Batteries shall be replaced sooner if tests indicate that they should be replaced

2. Remote Access into the Central Station Automation System

17.12.6 Central station automation security measures over remote access shall comply with the following:

(The following change for 17.12.6 subitem (a)-(3)-(i) is being recirculated)

3) Measure 3 - Wide Area Network (WAN) security

i) All communications shall employ the use of advanced encryption and other measures as documented (See Appendix D), all of which shall be active at all times. These systems shall be maintained with the latest updates supplied by the manufacturer. (See Table 17.4)

BSR/UL 1203, Standard for Safety for Explosion-Proof and Dust-Ignition-Proof Electrical Equipment *for Use in Hazardous (Classified) Locations*

1. Revisions to Align 42.1 with the wording in 16.1, and Addition of New 16.2A and 42.2A for Non-Drying Thickened Mineral Oil-Based Thread Sealant

PROPOSAL

16.2A A corrosion inhibiting, non-drying, thickened mineral oil-based sealant that does not contain metal particles shall be permitted to be applied to threaded joints.

42.1 A corrosion inhibiting grease, such as petrolatum or soap-thickened mineral ~~oil, that is applied to~~ oils are usable on the metal joint surfaces before assembly ~~shall comply with 42.2~~.

42.2A A corrosion inhibiting, non-drying, thickened mineral oil-based sealant that does not contain metal particles shall be permitted to be applied to threaded joints.

BSR/UL 1247, Standard for Safety for Diesel Engines for Driving Stationary Fire Pumps

1. Generator or Alternator Output Current

17.2 A generator or alternator shall deliver the output current to the batteries and not deliver output current directly to the fire pump controller.

~~23.7 A generator or alternator capable of delivering an output current of more than 20 amperes to an engine controller shall be visibly marked with "WARNING," and the following or equivalent wording, "High current, _____amperes, use only engine controller of proper rating."~~

2. Revisions to Clarify Requirements and Update Test Details

6.12 ~~P~~The enclosures and polymeric materials used to construct instrumentation enclosures, or used to construct opening covers or components projecting through metal enclosures that form part of the enclosure shall comply with the applicable requirements of the Standard for Enclosures for Electrical Equipment, Non-Environmental Considerations, ANSI/UL 50 and the Standard for Enclosures for Electrical Equipment, Environmental Considerations, ANSI/UL 50E with a minimum Type 2 rating.

11.2 All connecting wires from the engine to the terminal block referenced in 11.8 shall be:

a) Harnessed or flexibly enclosed to reduce the risk of mechanical, thermal, or chemical damage to the insulation;

b) Mounted on the engine; and

c) Connected in an engine junction box to terminals numbered to correspond with numbered terminals in the controller, for ready wiring in the field between the two sets of terminals.

d) Sized to accommodate the maximum ampacity specified in ~~Figure~~Table 11.1.

14.2 The exhaust manifold shall be liquid cooled, ~~or~~ insulated or otherwise shielded to reduce the risk of burn injury to operating personnel. When insulation is provided, the exposed surface shall be nonporous.

19.2 For the performance tests, an engine shall be supplied with a grade of diesel fuel specified by the engine manufacturer as not capable of providing power output greater than No. 2-D diesel fuel as described in ~~complying with~~ the Standard Specification for Diesel Fuel Oils, ANSI/ASTM D 975.

20.1.1 Inactive~~Cold~~ starting for all starting systems

20.1.1.1 ~~For each trial specified in~~ When tested in accordance with 20.1.1.2, an engine shall start and accelerate from cranking speed to the maximum sustainable power output at the highest rated speed within 20 seconds. If the maximum sustainable power output at a lower speed is more than 10 percent higher than the maximum sustainable power output at the highest rated speed, the engine shall also be subjected to the cold start test at the maximum sustainable power output associated with the lower rated speed.

20.1.1.2 With the automatic heater in 9.1 disconnected and after a minimum of 8 hours of non-operation, the engine is to be started, accelerated as quickly as possible to rated speed (±20 rpm) and maximum sustainable power output, operated at that speed and power output for not more than 30 seconds~~, stopped, and then started again immediately for a total of a minimum of three trials~~. For hydraulic starting systems, the engine air intake, room ambient temperatures and starting equipment shall be conditioned at 32°F (0°C) prior to the first engine start.

20.1.2.1 For each trial specified in 20.1.2.2 and 20.1.2.3, an engine shall start ~~within 1 minute~~ and ~~shall~~ accelerate from cranking speed to the maximum sustainable power output associated with the lowest and highest rated speeds within 20 seconds.

21.2 A heat exchanger shall not leak or rupture when subjected for 1 minute to a hydrostatic pressure of 150 percent of the ~~maximum working~~ rated pressure specified by the manufacturer, but in no case shall the test pressure be less than 90 psig (620 kPa).

21.3 With the engine not operating and conditioned to 40°F (4.4°C), the automatic heater shall maintain the coolant temperature to an average temperature of at least 120°F (49°C), but in no case is the temperature as measurement to be less than 110° F (~~49~~43° C) - as measured at either the coolant fill opening or by a thermocouple inserted into the coolant passages into the engine near the top of the cylinders or into the combustion chamber. The average temperature is to be calculated based upon the highest and lowest temperatures measured during the on-off cycles created by the automatic heater hysterisis. The test is to be conducted for not less than 4 hours.

23.2 The nameplate shall include the following information:

a) Manufacturer's or private labeler's name or identifying symbol;

b) Model designation;

c) Rated speed and horsepower output. For engines rated for a speed range, the minimum speed rating with corresponding horsepower rating and maximum speed rating with corresponding horsepower rating are to be specified;

d) Year of manufacture;

e) Serial number; and

f) An engine rated for a speed range shall have the following statement or equivalent: "Horsepower ratings within the specified speed range are to be determined by the use of linear interpolation between the horsepower developed at minimum and maximum speeds."

g) Grade of fuel or fuel specification required to achieve the rated power output of the engine.

3. Revision to Over-current Protection Criteria

~~**Table 6.1**~~

~~**Sizing of overcurrent protection**~~

~~Conductor Size, AWG~~	~~Over-current Protection, Amps~~	
	~~Minimum~~	~~Maximum~~
~~18~~	~~10~~	~~20~~
~~16~~	~~15~~	~~30~~
~~14~~	~~25~~	~~45~~
~~12~~	~~30~~	~~60~~

Table 6.1

Sizing of overcurrent protection

Conductor Size		Over-current Protection, Amps
AWG	(mm2)*	Minimum
20	(0.52)	7
18	(0.82)	10
16	(1.3)	15
14	(2.1)	25
12	(3.3)	30
10	(5.3)	45
8	(8.4)	65
* Wire sizes between those specified in this table shall use the next larger wire size for determining the minimum overcurrent protection required.		

4. Revision to ECM and Switching Equipment Criteria

~~7.2.3 The primary and alternate ECM and selector switch shall be permanently mounted and wired. The selector switch shall be installed in an enclosure having a minimum~~

~~Type 2 rating. The primary and alternate ECM, and selector switch including the automatic switching module, shall comply with the applicable requirements of the Standard for Industrial Control Equipment, UL 508 and the Standard for Fire Pump Controllers, UL 218.~~

7.2.3 The primary and alternate ECM, automatic switching module, and contacts of the selector switch shall be installed in an enclosure complying with the applicable requirements of the Standard for Enclosures for Electrical Equipment, Non-Environmental Considerations, ANSI/UL 50 and the Standard for Enclosures for Electrical Equipment, Environmental Considerations, ANSI/UL 50E with a minimum Type 2 rating.

5. High Engine Temperature Alarm Delay on Engine Restarts

6.1 The following instrumentation and control devices shall be securely mounted on the engine or its integral fire pump controller (see the Exception to 6.5):

a) A tachometer to indicate engine rpm, including zero, at all times. Tachometers with digital display shall be permitted to be blank when the engine is not running. If the tachometer is not of the totalizing type, an hour meter shall be provided to indicate total time of operation.

b) An oil pressure display to indicate engine lubricant pressure;

c) A temperature display with numerical indication of the primary coolant loop temperature;

d) A means to activate a common supervisory signal to a fire pump controller at a high coolant temperature specified by the manufacturer~~;~~. This signal shall incorporate a time delay if the engine is restarted within (x) minutes, and delay the signal for (x) seconds. Both time delays shall be set by the manufacturer.

d1) *Deleted April 30, 2017*;

e) An ammeter or voltmeter(s) to indicate the direction of alternator or generator charge;

f) For pneumatic or hydraulic starting, a display to indicate reservoir pressure and a means to activate a signal to a fire pump controller at a low pressure specified by the manufacturer;

g) A means to activate a common supervisory signal to a fire pump controller at a low engine lubricant pressure specified by the manufacturer;

h) An adjustable speed controller (governor) that is lockable at the required setting;

i) A means to monitor engine speed and shut down the engine (with manual resetting) when the speed is between 110 and 120 percent of its rated speed and activate a signal to a fire pump controller when the engine is shutdown;

j) A speed-sensitive means to signal engine running and crank termination conditions;

k) For an engine equipped with electronic fuel management control, an automatically and manually operated selector switch, which has no off position, shall be provided;

l) For an engine equipped with electronic fuel management control, a visual indicator on the engine and common supervisory signal to a fire pump controller shall be provided when the engine is being operated by the alternate ECM;

m) For an engine equipped with electronic fuel management control, a common supervisory signal shall be provided to a fire pump controller for any condition of fuel injection malfunction, low fuel pressure, or primary sensor malfunction;

n) For an engine equipped with electronic fuel management control, a common supervisory signal to a fire pump controller shall be provided when a failure occurs of the Primary or Alternate ECM, when selected;

o) For an engine equipped with electronic fuel management control, a signal shall be provided when a failure occurs of both the primary and alternate ECMs; and.

p) For an engine equipped with electronic fuel management control, a means shall be provided to prevent cranking motor damage during automatic switching while the engine is rotating. See 20.6.4 (g).

q) A means to activate a common supervisory signal to a fire pump controller at a minimum engine temperature specified by the manufacturer when the engine is in standby condition; and

r) A means to activate a common supervisory signal to a fire pump controller at a high raw water temperature specified by the manufacturer when the engine is running.

20.1.2.4 During the tests performed in 20.1.2.2, verify that the high engine temperature alarm described in 6.1(d) is not active.

6. Electrically Operated Speed Control for Mechanical Fuel Injected Engines

7.1.1 Mechanical fuel management control shall provide a mechanical means to control the fuel injection process, and a mechanical or electrical means to control engine speed ~~and the fuel injection process~~. If an electrical means is used to control engine speed, this control shall only receive input from the engine speed sensor(s) and a demand for engine shutdown to achieve its intended purpose.

Announcement of Limited Substantive Changes to an Approved American National Standard

X12.1 Transaction Sets (Additions and changes to X12.1)

- Transaction set 274 – has new entries: 2 | 2050 | ACT Account Identification | O | 1, 2 | 2550 AAA Request Validation | O | 1, 2 | 3710 LX Transaction Set Line Number | O | 1, 2 | 3720 | PER Administrative Communications Contact | O | 1, 2 | 3730 | REF Reference Information | O | 1, 2 | 3740 | DTP Date or Time or Period | O | 1, 2 | 3750 | OOI Associated Object Type Identification | O | 1, 2 | 3760 | BDS Binary Data Structure | O | 1, 2 | 3770 | AAA Request Validation | O | 1
- Transaction set 278 – has changes: 2 | 1530 | CR8 Implant Certification | O | ~~1~~ >1, LOOP ID – ~~HL~~ 2000, LOOP ID – ~~NM1~~ 2010
- Transaction set 300 – has changes: 1 | 1100 | K1 Remarks | O | ~~2~~ 20, LOOP ID - N1 ~~10~~ 99
- Transaction set 301 – has changes: LOOP ID - N1 ~~4~~ 99
- Transaction set 358 – has changes: 1 | 0380 | N9 Extended Reference Information | O | ~~30~~ 999
- Transaction set 412 – has new entries: 2 | 0920 | III Information | O | 10, 2 | 0940 | MEA Measurements | O | 10
- Transaction set 412 – has changes: 2 | 0400 | REF Reference Information | O | ~~5~~ 15, 2 | 1100 | AMT Monetary Amount Information | M | ~~1~~ 10
- Transaction set 470 – has changes: 1 | 1000 | MEA Measurements | M | ~~1~~ 4, 1 | 1100 | L4 Measurement | ~~O~~ M ~~99~~ 4, 1 | 1500 | LX Transaction Set Line Number | ~~O~~ M | 1
- Transaction set 754 – has new entries: 1 | 0320 | G62 Date/Time | O | 5, 1 | 0340 | MTX Text | O | 5, 1 | 0360 | L11 Business Instructions and Reference Number | O | >1, 1 | 0380 | TD1 Carrier Details (Quantity and Weight) | O | >1, 2 | 0410 | PO1 Baseline Item Data | O | 1, 2 | 0420 | PID Product/Item Description | O | 5, 2 | 0424 | PKG Marking, Packaging, Loading | O | 1, 2 | 0426 | PAL Pallet Type and Load Characteristics | O | 1, 2 | 1220 | PER Administrative Communications Contact | O | 5, 2 | 1240 | MTX Text | O | 5, 2 | 1400 | LS Loop Header | O | 1, LOOP ID - 0240 | >1, 2 | 1600 | LX Transaction Set Line Number | O | 1, 2 | 1700 | S5 Stop-off Details | O | 1, 2 | 1720 |MTX Text | O | 5, 2 | 1740 | L11 Business Instructions and Reference Number | O | 10, 2 | 1760 | BLR Transportation Carrier Identification | O | 1, 2 | 1800 | SMD Consolidated Shipment Manifest Data | O | 5, 2 | 1820 | FOB F.O.B. Related Instructions | O | 1, 2 | 1840 | G62 Date/Time | O | 5, 2 | 1900 | N1 Party Identification | O | 1, 2 | 2000 | R4 Port or Terminal | O | 1, 2 | 2100 | N2 Additional Name Information | O | 1, 2 | 2200 | N3 Party Location | O | 2, 2 | 2300 | N4 Geographic Location | O | 1, 2 | 2400 | PER Administrative Communications Contact | O | 5, 2 | LOOP ID - 0400 | >1, 2 | 3200 | PKD Packaging Description | O | 1, 2 | 3300 | SN1 Item Detail (Shipment) | O | 1, 2 | 3400 | PAL Pallet Type and Load Characteristics | O | 1, 2 | 3500 | L11 Business Instructions and Reference Number | O | 10, 2 | 3600 | MAN Marks and Numbers Information | O | >1, 2 | LOOP ID - 0500 | >1, 2 | 3800 | OID Order Information Detail | O | 1, 2 | 3900 | REF Reference Information | O | >1, 2 | 4000 | G62 Date/Time | O | 5, 2 | 4100 | PKG Marking, Packaging, Loading | O | 5, 2 | 4200 | PAL Pallet Type and Load Characteristics | O | 1, 2 | 4300 | MAN Marks and Numbers Information | O | >1, 2 | LOOP ID – 0600 | >1, 2 | 4500 | PO1 Baseline Item Data | O | 1, 2 | 4600 | PKG Marking, Packaging, Loading | O | 5, 2 | 4700 | PID Product/Item Description | O | 5, 2 | 5000 | LE Loop Trailer | O | 1, 3 | 0100 | SE Transaction Set Trailer | M | 1
- Transaction set 754 – has changes: 2 | 0100 | LX Transaction Set Line Number | ~~M~~ O | 1, At table 2, position 0440, the stand alone segment OID became a loop. The OID segment's repeat became 1, the loop repeat became >1, and loop ID 0204 was assigned. At table 3 position 0100, the SE segment was changed to be in a new table labeled 3, it had previously been in table 2.

This note was added to table 2 position 0100: Either the 0200 loop or the 0230 loop must be used, but both loops must not be used within a single transaction set.

- Transaction set 810 – has changes: 1 | 0500 | REF Reference Information | O | ~~12~~ >1, 1 | LOOP ID - N1 | ~~200~~ >1, 1 | LOOP ID - IT1| ~~200000~~ >1
- Transaction set 816 – has new entries: 2 | 0920 | CAL Calendar | O | 10
- Transaction set 820 – has new entries: 2 | LOOP ID - 9000 | >1, 2 | 6080 | TPP Third Party Payment | O | 1, The TPP loop is for third party tax payments.
- Transaction set 832 – has changes: 1 | LOOP ID – ~~N1~~ 1000 >1, 1 | LOOP ID – ~~LM~~ 1100 >1, 1 | LOOP ID – ~~G93~~ 1300 >1, 2 | LOOP ID – ~~LIN~~ 2000 >1, 2 | LOOP ID – ~~TRT~~ 2100 >1, 2 | LOOP ID – ~~CTP~~ 2200 >1, 2 | LOOP ID – ~~G40~~ 2210 >1, 2 | LOOP ID – ~~LM~~ 2220 >1, 2 | LOOP ID – ~~N1~~ 2230 >1, 2 | LOOP ID – ~~N1~~ 2300 >1, 2 | LOOP ID – ~~G39~~ 2400 >1, 2 | LOOP ID – ~~PKL~~ 2500 >1, 2 | LOOP ID – ~~LFG~~ 2600 >1, 2 | LOOP ID – ~~CRC~~ 2610 >1, 2 | LOOP ID – ~~LM~~ 2700 >1, 2 | LOOP ID – ~~LQ~~ 2710 >1, 2 | LOOP ID – ~~PID~~ 2711 >1, 2 | LOOP ID – ~~SLN~~ 2800 >1, 2 | LOOP ID – ~~LM~~ 2810 >1, 2 | LOOP ID – ~~N1~~ 2820 >1, 2 | LOOP ID – ~~N9~~ 2900 >1
- Transaction set 835 – has new entries: 2 | 0650 | K3 File Information | O | 1 , 2 | 1400 | TOO Tooth Identification | O | 32, 2 | 1500 | K3 File Information | O | 1
- Transaction set 835 – has changes: 2 | 0600 | PER Administrative Communications Contact | O | ~~3~~ 9
- Transaction set 850 – has changes: LOOP ID - SAC ~~25~~ >1, LOOP ID - N1 ~~200~~ >1, LOOP ID - PO1 ~~100000~~ >1, LOOP ID - SAC ~~25~~ >1
- Transaction set 855 – has changes: LOOP ID - SAC ~~25~~ >1, LOOP ID - N1 ~~200~~ >1, LOOP ID - PO1 ~~100000~~ >1, LOOP ID - SAC ~~25~~ >1
- Transaction set 860 – has changes: LOOP ID - SAC ~~25~~ >1, LOOP ID - N1 ~~200~~ >1, LOOP ID - SAC ~~25~~ >1
- Transaction set 865 – has changes: This X12 Transaction Set contains the format and establishes the data contents of the Purchase Order Change Acknowledgment/Request - Seller Initiated Transaction Set (865) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used by the seller to convey acceptance or rejection of changes to a previously submitted purchase order from the buyer ~~or to notify the buyer of changes initiated by the seller to a previously submitted purchase order by the seller~~. The transaction set is used by the seller to accept, reject, or modify a purchase order. Also, the transaction set can be seller-initiated to change a purchase order., LOOP ID - SAC ~~25~~ >1, LOOP ID - N1 ~~200~~ >1, LOOP ID - SAC ~~25~~ >1
- Transaction set 875 – has changes: 1 | 0300 | N9 Extended Reference Information | O | ~~50~~ >1, 2 | 0400 | N9 Extended Reference Information | O | ~~10~~ >1, LOOP ID - 0100 ~~10~~ >1, LOOP ID – 0200 ~~100~~ >1, LOOP ID - 0300 ~~9999~~ >1, LOOP ID - 0310 ~~100~~ >1
- Transaction set 876 – has changes: 1 | 0300 | N9 Extended Reference Information | O | ~~50~~ >1, 2 | 0400 | N9 Extended Reference Information | O | ~~10~~ >1, LOOP ID - 0100 ~~10~~ >1, LOOP ID – 0200 ~~100~~ >1, LOOP ID - 0300 ~~9999~~ >1, LOOP ID - 0310 ~~100~~ >1
- Transaction set 880 – has changes: 1 | 0300 | N9 Extended Reference Information | O | ~~10~~ >1, 2 | 0450 | N9 Extended Reference Information | O | ~~5~~ >1, LOOP ID - 0100 ~~10~~ >1, LOOP ID – 0200 ~~100~~ >1, LOOP ID - 0300 ~~9999~~ >1, LOOP ID - 0310 ~~100~~ >1

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X12.3 Data Element Dictionary (Additions and changes to X12.3)

- Data element 40 – has a new entry: 40 | 40 ft. IL Container (Open Top)
- Data element 98 – has new entries: M2A | Associated Receipt Location
- Data element 103 – has new entries: 98 | Polyvinyl Chloride (PVC), 99 | Polyethylene Terephthalate (PET)
- Data element 128 – has new entries: HP1 | House Waybill, HP2 | Master Waybill, HP3 | Preferred Gateway Identifier, HP4 | Shipment Valuation, LDG | Loading Group, I11 ICD-11-CM (International Classification of Diseases, 11th Revision, Clinical Modification), PCT | ICD-11-PCS (International Classification of Diseases, 11th Revision, Procedure Coding System), BED | Downstream Service Provider's Activity Code, BEU | Upstream Service Provider's Activity Code
- Data element 150 – has new entries: DCN | De-Consolidation, REX | Retention Tax
- Data element 152 – has a new entry: RV | Residue in Excess of 7 Percent of Equipment Capacity
- Data element 235 – has new entries: E7 | Berenson-Eggers Type of Service, IH | International Classification of Diseases, 11th Revision,Clinical Modification (ICD-11-CM), IJ | International Classification of Diseases, 11th Revision, Procedure Coding System (ICD-11-PCS)
- Data element 236 – has new entries: AAF | Allowed Amount - Flat, UAA | Unit Allowed Amount
- Data element 284 – has new entries: U1 | Ground Service - Freight, U2 | Expedited Service - Freight, U3 | Express Service - Freight, U4 | Express Service Plus - Freight, U5 | Next Day - Freight, U6 | Second Day - Freight
- Data element 355 – has new entries: O1 | Cubic Millimeter, K8 | Kilovolt
- Data element 374 – has new entries: XX1 | Order Day, XX2 | Delivery Day, XX3 | Order Cut-Off Time
- Data element 447 – has a change: TYPE=AN | MIN=1 | MAX=~~4~~6
- Data element 473 – has a new entry: Z | Mutually Defined
- Data element 480 – has new entries: 006041 | Standards Approved for Publication by ASC X12 Procedures Review Board through February 2012, 006042 | Standards Approved for Publication by ASC X12 Procedures Review Board through June 2012, 006050 | Standards Approved for Publication by ASC X12 Procedures Review Board through October 2012
- Data element 514 – has a new entry: Z | Mutually Defined
- Data element 620 – has a new entry: 10 | Segment Has Excess Trailing Delimiters
- Data element 621 – has a new entry: I6 | Code Value Not Used in Implementation
- Data element 648 – has new entries: API | Allowed Multiplier - Invoiced, APB | Allowed Multiplier - Billed, APP | Allowed Multiplier - Medicare, DAB | Default Allowed Multiplier - Billed, DAR | Default Allowed Multiplier - Medicare
- Data element 737 – has new entries: DS | Defect Size, RB | Repair Size
- Data element 808 – has a new entry: NOD | Not Odorized Declaration
- Data element 883 – has new entries: 42 | Dolly, 47 | Intermediate Bulk Container (IBC) Pallet, 49 | Skid, 50 | Stringer Pallet, 52 | Block Pallet, 53 | Horizontal Drum Pallet, 54 | Vertical Drum Pallet
- Data element 1032 – has new entries: ME | Medicare Advantage Plan, UK | Unknown
- Data element 1048 – has a new entry: TPP | Third Party Tax Payment
- Data element 1136 – has a new entry: EP | Early & Periodic Screening, Diagnosis and Treatment (EPSDT) Claim
- Data element 1138 – has a new entry: R | Non-specified
- Data element 1270 – has new entries: BBF | International Classification of Diseases Clinical Modification (ICD-11-CM) Diagnosis, BBJ I| nternational Classification of Diseases Clinical

Modification (ICD-11-CM) Admitting Diagnosis, BBK | International Classification of Diseases Clinical Modification (ICD-11-CM) Principal Diagnosis, BBN | International Classification of Diseases Clinical Modification (ICD-11-CM) External Cause of Injury Code, BBU | International Classification of Diseases Clinical Modification (ICD-11-CM) Diagnosis Encountered During Examination and Investigation of Individuals and Populations Code, BBV | International Classification of Diseases Clinical Modification (ICD-11-CM) Vaccination, Innoculation or Isolation Code, BDD | International Classification of Diseases Clinical Modification (ICD-11-CM) Primary Diagnosis, BPR | International Classification of Diseases Clinical Modification (ICD-11-CM) Patient's Reason for Visit, BSD | International Classification of Diseases Clinical Modification (ICD-11-CM) Secondary Diagnosis, BTD | International Classification of Diseases Clinical Modification (ICD-11-CM) Tertiary Diagnosis, CBQ | International Classification of Diseases Clinical Modification (ICD-11-CM) Other Procedure Codes, CBR | International Classification of Diseases Clinical Modification (ICD-11-CM) Principal Procedure Codes, POS | Place of Service Code, DSI | Disposition Services Indicator Code, DMI | Demilitarization Integrity Code, DCS | Disposition Sub-Category Code, DCT | Disposition Category Code, DCR | Disposition Category Change Reject Reason Code, DSC | Disposition Services Customer Type Code, TTD | Downstream Transaction Type, TTU | Upstream Transaction Type, DAP | All Patient, Severity-Adjusted DRGs (APS-DRG), DCM | Medicare DRG (CMS-DRG & MS-DRG), DIR | International-Refined DRGs (IR-DRG), DLT | Long Term Care DRG - LTC-DRG, DRD | Refined DRGs (R-DRG), DSI | Disposition Services Indicator Code

- Data element 1270 – has a change: HE | ~~Claim Payment Remark Codes~~ Remittance Advice Remark Code
- Data element 1403 – has new entries: 4 | Implantable Cardioverter Defibrillator (ICDs), 5 | Implantable Cardiac Pacemaker (ICPs), 6 | Cardiac Resynchronization Therapy Devices (CRTs), 7 | Pacing Leads, 8 | Pacing Battery, 9 | Coronary Stent, A | Peripheral Stent, B | Heart Valve, C | Ventricular-Assist Device, D | Implantable Heart Monitor, E | Knee, F | Hip, G | Shoulder, H | Elbow, I | Ankle, J | Toe, K | Finger, L | Spinal, M | Orthobiologic, N | issue, O | Facial, P | Dental, Q | Ophthalmic, R | Gynecologic, S | Urogynecologic, T | Drug, U | Otolaryngeal, V | Cochlear, W | Cosmetic, X | Gastroenterologic, Y | Urologic, Z | Other
- Data element 1560 – has a new entry: J | Joint Industry Only
- Data element 1650 – has a new entry: A1 | Estimated to Arrive for Pick-up
- Data element 1651 – has new entries: UA | Service Upgrade - Consignee Request, UB | Service Upgrade - Shipper Request, UC | Updated Address - Consignee Request, UD | Updated Address - Shipper Request, UE | Unable to Process Service Upgrade, UF | Unable to Process Updated Address, UG | Driver Waiting to Pick Up, UH | Driver Waiting to Unload, UI | Lift Gate Required for Pickup, UJ | Lift Gate Required for Delivery, UK | Shipment Removed from Hold - Out for Delivery
- Data element I11 – has a new entry: 00605 | Standards Approved for Publication by ASC X12 Procedures Review Board through October 2012

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X12.6 Application Control Structure (Additions and changes to X12.6)

- Section 3.2.9 – is new: External Entities - Uppercase strings that are enclosed in angle brackets denote syntactic entities that are defined external to this document. When used they are accompanied by text specifying the entity or entities referenced. The underscore is included as a valid character for this representation. For example: <ISO_LANGUAGE_CHARACTER>.
- Section 3.3.2 – was changed: An extended character set may be used by agreement between communicating parties and includes the lowercase letters, other special characters, national characters, and select language characters, and other language characters: <ISO_LANGUAGE_CHARACTERS> Any graphical character that is specified in any of the following ISO documents that is not defined in any of the previous productions: 646, 8859-1, 8859-2, 8859-5, 8859-7, 8859-3, 8859-4, 8859-6, 8859-8, 8859-9, 8859-15, 2022, 2375, 10646.
- Section 3.5.1.4 – was changed: <non_space_char> ::= <uppercase_letter> | <digit> | <special_char> | <lowercase_letter> | <other_special_char> | <national_char> | <select_language_character> | <ISO_LANGUAGE_CHARACTER>
- Section 3.7 – was changed: Trailing data element separators <gs> and trailing repetition separators <rs> shall be suppressed. In use, an instance of a data segment shall contain at least one composite data structure or simple data element, i.e., it shall not consist of only the segment identifier and a segment terminator. Data segments are defined in a data segment directory.
- Section 3.8.3.2.2 – was changed: Bounded Loops: <loop_id>(01/~~04~~06).

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X12.22 Segment Directory (Additions and changes to X12.22)

- Segment CLP – has changes: 11 | ~~1354~~ C022 | ~~Diagnosis Related Group (DRG) Code~~ Health Care Code Information ~~O~~ X/Z
- Segment CLP – has new entries: 11 | P1112 - If either CLP11 or CLP12 is present, then the other is required, 11 | CLP11 is used to convey diagnostic related group code.
- Segment CR8 – has changes: CR8 - ~~Pacemaker Certification~~ Implant Certification, ~~To supply information related to Pacemaker registry~~ To supply information related to medical implant registries, 03 | 373 Date | ~~M/Z~~ O/Z, 04 | 373 Date | ~~M/Z~~ O/Z, 05 | 127 Reference Identification | ~~M/Z~~ O/Z, 06 | 127 Reference Identification | ~~M/Z~~ O/Z, 07 | 127 Reference Identification | ~~M/Z~~ O/Z, 08 | 1073 Yes/No Condition or Response Code ~~M/Z~~ O/Z, 09 | 1073 Yes/No Condition or Response Code | ~~M/Z~~ O/Z
- Segment MIA – has changes: 01 | 380 Quantity | ~~M/Z~~ O/Z, 05 | MIA05 is the ~~Claim Payment Remark Code~~ Remittance Advice Remark Code., 20 | MIA20 is the ~~Claim Payment Remark Code~~ Remittance Advice Remark Code., 21 | MIA21 is the ~~Claim Payment Remark Code~~ Remittance Advice Remark Code., 22 | MIA22 is the ~~Claim Payment Remark Code~~ Remittance Advice Remark Code., 23 | MIA23 is the ~~Claim Payment Remark Code~~ Remittance Advice Remark Code.
- Segment MOA – has changes: 03 | MOA03 is the ~~Claim Payment Remark Code~~ Remittance Advice Remark Code., 04 | MOA04 is the ~~Claim Payment Remark Code~~ Remittance Advice Remark Code., 05 | MOA05 is the ~~Claim Payment Remark Code~~ Remittance Advice Remark Code., 062 | MOA06 is the ~~Claim Payment Remark Code~~ Remittance Advice Remark Code., 07 | MOA07 is the ~~Claim Payment Remark Code~~ Remittance Advice Remark Code.
- Segment PAL – has new entries: 19 | 1073 Yes/No Condition or Response Code | O/Z | ID | 1/1,
- 20 | 352 Description | O | AN | 1/80, 19 | PAL19 indicates if the block count on at least one pallet tier is not the same as on other tiers. A "Y" indicates the pallet has unequal block counts on one or more tiers. An "N" indicates that the pallet's blocks per tier are uniform (block x tier equals quantity on pallet).
- Segment R11 – has a new entry: 08 | 193 Net Amount Due | O | N2 | 1/15
- Segment R12 – has new entries: 11 | 761 Equipment Number Check Digit | O/Z | N0 | 1/1, 12 | 40 Equipment Description Code | M/Z | ID | 2/2, 11 | C1109 - If R1211 is present, then R1209 is required., 11 | R1211 is the check digit for the equipment number in R1209., 12 | R1212 is the equipment type for the equipment identified in R1202 and R1203.
- Segment R13 – has new entries: 13 | 352 Description | O/Z | AN | 1/80, 14 | 352 Description | O | AN | 1/80, 13 | R1313 and R1314 further describe the reason for line item repair.
- Segment TPP – is new:

  TPP - Third Party Payment
  To transmit data for third party payments, identifying the third party payer as well as the taxpayer on whose behalf the payment is being made. Third party payments include employment taxes paid by payroll service providers on behalf of employers, payments from employers in response to tax agency orders to garnish employee wages for tax liability, etc.

  TRANSACTION SETS USED IN:
  820

01 1049 Tax Payment Type Code	M/Z	ID	1/5
02 127 Reference Identification	M/Z	AN	1/80

03 373 Date	M/Z	DT	8/8
04 1051 Tax Amount	M/Z	N2	1/10
05 127 Reference Identification	M/Z	AN	1/80
06 93 Name	M/Z	AN	1/60
07 127 Reference Identification	O/Z	AN	1/80

Semantic Notes
01 TPP01 is the state assigned tax type, based on tax type code table maintained by the Federation of Tax Administrators, code source 153.
02 TPP02 is the identification or registration number of the third party originating the payment.
03 TPP03 is a date applicable to this payment, such as a payroll date, account debit date, or tax period end date.
04 TPP04 is the amount of the payment.
05 TPP05 is the identification number of the taxpayer on whose behalf the payment is being made.
06 TPP06 is the name of the taxpayer on whose behalf the payment is being made.
07 TPP07 is an optional second identification number for the taxpayer on whose behalf the payment is being made, such as a case number.