ANSI STANDARDS ACTION

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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

Comment Deadline: December 3, 2017

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

Addenda

BSR/ASHRAE Addendum h to BSR/ASHRAE Standard 34-201x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)

This addendum removes the application fee requirement from paragraph 9.1.2.

Click here to view these changes in full

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

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

Addenda

BSR/ASHRAE Addendum i to BSR/ASHRAE Standard 34-201x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)

This addendum adds the zeotropic refrigerant blend R-463A in Table 4-2 and Table D-2.

Click here to view these changes in full

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

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

Addenda

BSR/ASHRAE Addendum j to BSR/ASHRAE Standard 34-201x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)

This addendum adds the zeotropic refrigerant blend R-460C in Table 4-2 and Table D-2.

Click here to view these changes in full

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

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

Addenda

BSR/ASHRAE Addendum k to BSR/ASHRAE Standard 34-201x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)

This addendum adds the zeotropic refrigerant blend R-464A in Table 4-2 and Table D-2.

Click here to view these changes in full

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

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

Addenda

BSR/ASHRAE Addendum l to BSR/ASHRAE Standard 34-201x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)

This addendum adds the zeotropic refrigerant blend R-407I in Table 4-2 and Table D-2.

Click here to view these changes in full

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

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

Addenda

BSR/ASHRAE Addendum m to BSR/ASHRAE Standard 34-201x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)

This addendum adds the zeotropic refrigerant blend R-465A in Table 4-2 and Table D-2.

Click here to view these changes in full

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

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

Addenda

BSR/ASHRAE Addendum n to BSR/ASHRAE Standard 34-201x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)

This addendum makes several changes with the purposes of aligning the toxicity classification procedure to be based on the nominal formulation of the blend.

Click here to view these changes in full

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

NSF (NSF International)

Revision

BSR/NSF 330-201x (i9r1), Glossary of Drinking Water Treatment Unit Terminology (revision of ANSI/NSF 330-2015)

This Standard establishes definitions for drinking water treatment units and related components.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 2201-201X, Standard for Tests for Determining CO Emission Rate of Portable Generators (new standard)

The following changes in requirements to the Standard for Tests for Determining CO Emission Rate of Portable Generators, UL 2201, are being recirculated: (1) Proposed second edition of the Standard for Determining Carbon Monoxide (CO) Emission Rate of Portable Generators, UL 2201.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Heather Sakellariou, (847) 664-2346, Heather.Sakellariou@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 162-201x, Standard for Safety for Standard for Foam Equipment and Liquid Concentrates (revision of ANSI/UL 162-2015)

Hydraulically powered oscillating monitors update commercial-grade heptane specifications.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Mark Ramlochan, (613) 368-4422, Mark.Ramlochan@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 2034-201x, Standard for Safety for Single and Multiple Station Carbon Monoxide Alarms (revision of ANSI/UL 2034-2017a)

This recirculation proposal provides revisions to the UL 2034 proposal dated 8/25/17.

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 2075-201x, Standard for Safety for Gas and Vapor Detectors and Sensors (revision of ANSI/UL 2075-2013)

This recirculation proposal provides revisions to the UL 2075 proposal dated 9/1/17.

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: December 18, 2017

ALI (ASC A14) (American Ladder Institute)

New Standard

BSR A14.1-201x, Portable Wood Ladders (new standard)

The purpose of this standard is to provide reasonable safety for life, limb, and property. In order to develop an effective safety program, the standard may serve also as a basis for purchase requirements and for instructions in personnel training. It may also assist in the preparation of motivational/instructional material such as safety practices, manuals, posters, and the like. This standard is also intended to provide the manufacturer, purchaser, and user of wood ladders with a set of specifications and requirements against which a ladder may be compared.

Single copy price: $250.00 USD

Obtain an electronic copy from: http://www.americanladderinstitute.org/?page=ALI_Standards

Order from: info@americanladderinstitute.org

Send comments (with copy to psa@ansi.org) to: info@americanladderinstitute; Subject must be titled: Public Comments A14.1

ANS (American Nuclear Society)

New Standard

BSR/ANS 57.3-201x, Design Requirements for New Fuel Storage Facilities at Light Water Reactor Plants (new standard)

This standard defines the required functions of wet or dry storage facilities for new fuel at light water reactor nuclear power plants. It provides minimum design requirements for safe storage of new nuclear fuel and control components at such plants. The fuel storage facilities covered by this standard are used for receiving, inspecting, and storing fuel containing new and recycled uranium and mixed oxides.

Single copy price: $70.00

Obtain an electronic copy from: scook@ans.org

Order from: Sue Cook, (708) 579-8210, orders@ans.org; scook@ans.org

Send comments (with copy to psa@ansi.org) to: Patricia Schroeder, (708) 579-8269, pschroeder@ans.org; kmurdoch@ans.org

ASABE (American Society of Agricultural and Biological Engineers)

Reaffirmation

BSR/ASABE AD4254-13-2013 (R201x), Agricultural machinery - Safety - Part 13: Large rotary mowers (reaffirmation of ANSI/ASABE AD4254-13 -2013)

This part of ISO 4254, when used together with ISO 4254-1, specifies the safety requirements and their verification for the design and construction of towed, semi-mounted, or mounted large rotary mowers with single or multiple cutting elements which have a cutting diameter of 1000 mm or greater for any single cutting element assembly, mounted on a propelling tractor or machine, intended for agricultural mowing equipment and designed for shredding crop residue, grass, and small brush by impact.

Single copy price: $61.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASABE (American Society of Agricultural and Biological Engineers)

Reaffirmation

BSR/ASABE AD8759-1:2013 (R201x), Agricultural wheeled tractors - Front mounted equipment - Part 1: Power take-off and three point linkage. (reaffirmation of ANSI/ASABE AD8759-1:2013)

Specifies dimensions and requirements for power take-off and for front three-point linkages in association with a power lift for the attachment of implements or equipment to the front of agricultural wheeled tractors. It is not applicable to tractors which are designed to run in two directions, where either end can be considered to be the front or rear.

Single copy price: $61.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASABE (American Society of Agricultural and Biological Engineers)

Reaffirmation

BSR/ASABE S608-2008 (R201x), Headlamps for Agricultural Equipment (reaffirmation of ANSI/ASABE S608-2008 (R2013))

This Standard provides performance and general design requirements and related test procedures for headlamps for use on agricultural equipment that may be operated on public roads.

Single copy price: $61.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASABE (American Society of Agricultural and Biological Engineers)

Reaffirmation

BSR/ASAE EP576.2-2012 (R201x), Lighting and Marking of Animal-Drawn Equipment (reaffirmation of ANSI/ASAE EP576.2-2012)

This recommended practice establishes a unique identification system for slow-moving animal-drawn vehicles on public roadways or highways. It is intended that this identification system be used to complement existing laws, rules, and regulations in individual states, provinces, and municipalities. It is recognized that this recommended practice can be a cultural or religious issue and is not intended to devalue or replace those values. It is intended to provide options to those who would like to add or enhance lighting and marking of their animal-powered vehicles in the form of a voluntary consensus standard.

Single copy price: $61.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASABE (American Society of Agricultural and Biological Engineers)

Reaffirmation

BSR/ASAE S229.6-DEC1976 (R201x), Baling Wire for Automatic Balers (reaffirmation of ANSI/ASAE S229.6-DEC1976 (R2012))

This specification shall cover annealed baling wire for automatic balers. The wire shall be furnished in two sizes of coils: 960 m (3150 ft) minimum and 1981 m (6500 ft) minimum.

Single copy price: $61.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASABE (American Society of Agricultural and Biological Engineers)

Reaffirmation

BSR/ASAE S277.2-1992 (R201x), Mounting Brackets and Socket for Warning Lamp and Slow-Moving Vehicle (SMV) Identification Emblem (reaffirmation of ANSI/ASAE S277.2-1992 (R2012))

This Standard defines mounting devices for use with warning lamps and SMV emblems.

Single copy price: $61.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASABE (American Society of Agricultural and Biological Engineers)

Reaffirmation

BSR/ASAE S279.17-2013 (R201x), Lighting and Marking of Agricultural Equipment on Highways (reaffirmation of ANSI/ASAE S279.17-2013)

This Standard provides specifications for lighting and marking of agricultural equipment whenever such equipment is operating or is traveling on a highway.

Single copy price: $61.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASABE (American Society of Agricultural and Biological Engineers)

Reaffirmation

BSR/ASAE S515-JAN94 (R201x), Pallet Load Transfer System for Vegetable Harvesters, Shuttle Vehicles, and Road Trucks (reaffirmation of ANSI/ASAE S515-JAN94 (R2012))

The purpose of this Standard is to ensure compatibility between all vehicles used in a palletized load transfer system for vegetables. This Standard applies to vegetable harvesters, field shuttle vehicles, trailers, over-the-road trucks, and yard facilities used in such a system. Typical vehicles are shown in figure 1. Various manufacturers, vehicle leasing companies, and growers need to interchange and mate up their respective equipment; thus the need for standardization. The system is used to transfer entire pallet loads from one vehicle's conveyor to another conveyor. Only those dimensions and specifications needed to ensure the successful transfer are included.

Single copy price: $61.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASABE (American Society of Agricultural and Biological Engineers)

Reaffirmation

BSR/ASAE S584.3-2013 (R201x), Agricultural Equipment: Speed Identification Symbol (SIS) (reaffirmation of ANSI/ASAE S584.3-2013)

The scope of this standard is primarily directed to identifying agricultural equipment (implements of husbandry) that have been designed in their original equipment configuration for specified ground speeds greater than 40 km/h (25 mile/h) but under 65 km/h (40 mile/h).

Single copy price: $61.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

Revision

BSR X9.84-201x, Biometric Information Management and Security for the Financial Services Industry (revision of ANSI X9.84-2010 (R2017))

This Standard describes the security framework for using biometrics for authentication of individuals in financial services. It introduces the types of biometric technologies and addresses issues concerning their application. This Standard also describes the architectures for implementation, specifies the minimum security requirements for effective management, and provides control objectives and recommendations suitable for use by a professional practitioner. Within the scope of this Standard, the following topics are addressed:

- Security for the collection, distribution, and processing of biometric data, encompassing data integrity, authenticity, and non-repudiation;
- Management of biometric data across its life cycle, comprised of the enrollment, transmission and storage, verification, identification, and termination processes;
- Usage of biometric technology, including one-to-one and one-to-many matching, for the identification and authentication of banking customers and employees;
- Application of biometric technology for internal and external, as well as logical and physical, access control.
- Encapsulation and cryptographic protection of biometric information for security, interoperability, and data confidentiality;
- Secure transmission and storage of biometric information during its life cycle;
- Security of the physical hardware used throughout the biometric data life cycle;
- Cryptographic techniques for data integrity, authenticity, and data confidentiality of biometric information;
- Validation of credentials presented at enrollment to support authentication as required by risk management; and
- Surveillance to protect the financial institution and its customers.

Items considered out of scope and not addressed in this Standard include the following:

- The individual's privacy and ownership of biometric information;
- Specific techniques for data collection, signal processing, and matching of biometric data, and the biometric matching decision-making process; and
- Usage of biometric technology for non-authentication convenience applications such as speech recognition, user interaction, and anonymous access control.

Although this Standard does not address specific requirements and limitations of business application employing biometric technology, other standards may address these topics.

Single copy price: $100.00

Obtain an electronic copy from: Ambria.frazier@x9.org

Order from: Ambria Frazier, (410) 267-7707, Ambria.frazier@x9.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Revision

BSR/ATIS 0600005-201x, Acoustic Measurement (revision of ANSI/ATIS 0600005-2006 (R2011))

Acoustic noise from telecom equipment adds to regulated environmental noise. This standard provides measurement methods for acoustic noise that are accurate and repeatable. Emission limits are set in units of sound power for equipment installed in temperature-controlled environments.

Single copy price: $60.00

Obtain an electronic copy from: ablasgen@atis.org

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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

GBI (Green Building Initiative)

Revision

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

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

Single copy price: $25.00

Obtain an electronic copy from: https://www.thegbi.org/content/misc/Limited_Revisions_of_the_BSR-GBI-01-201X_10-20-17.pdf

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

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

HPS (ASC N13) (Health Physics Society)

Reaffirmation

BSR N13.54-2008 (R201x), Fetal Radiation Dose Calculations (reaffirmation of ANSI N13.54-2008)

This standard attempts to summarize current best methods for estimating radiation dose to the fetus.

Single copy price: $50.00

Obtain an electronic copy from: nanjohns@verizon.net

Order from: Nancy Johnson, (703) 790-1745, nanjohns@verizon.net

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

NEMA (National Electrical Manufacturers Association)

New Standard

BSR/NEMA MITA 2-201X, Requirements for Servicing of Medical Imaging Equipment (new standard)

This standard describes and defines the minimum requirements to document service of medical imaging equipment intended to be used on patients to ensure its return to a safe and effective condition, including actions such as repair, rework, update of software/hardware, replacement of parts with qualified parts, and the use of test equipment for servicing medical imaging equipment.

Single copy price: Free

Obtain an electronic copy from: pweems@medicalimaging.org

Order from: Peter Weems, (703) 841-3238, pweems@medicalimaging.org

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

NSF (NSF International)

Revision

BSR/NSF 53-201x (i108r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2016)

It is the purpose of this Standard to establish minimum requirements for materials, design and construction, and performance of point-of-use and point-of-entry drinking water treatment systems that are designed to reduce specific health-related contaminants in public or private water supplies. Such systems include point-of-entry drinking water treatment systems used to treat all or part of the water at the inlet to a residential facility or a bottled water production facility, and includes the material and components used in these systems. This Standard also specifies the minimum product literature and labeling information that a manufacturer shall supply.

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/group_public/download.php/39761/53i108r1%20JC%20memo%20&%20ballot.pdf

Order from: Monica Leslie, (734) 827-5643, mleslie@nsf.org

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

TIA (Telecommunications Industry Association)

New Standard

BSR/TIA 920.123-201x, Transmission Requirements for Digital Interface Communications Devices with Group Speakerphone (new standard)

Establishes transmission performance requirements for group speakerphone devices that function as narrowband (300 to 3400 Hz) or wideband (100 to 7000 Hz) digital interface communications devices, or both. Group speakerphones are devices used for one or more individuals in a small to large setting with users at a distance further away (up to 2 meters, or more) than those for personal devices. Typically, the speaker and microphone are located in the base unit together, but may have satellite microphones that extending out from the center base unit.

Single copy price: $60.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: standards@tiaonline.org

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

TIA (Telecommunications Industry Association)

Revision

BSR/TIA 570-D-201x, Residential Telecommunications Infrastructure Standard (revision and redesignation of ANSI/TIA 570-C-2012)

This Standard applies to telecommunications premises cabling systems and the related pathways and spaces for single- and multi-dwelling residential buildings. It applies to the telecommunications cabling within or between structures and includes the cabling within a single-dwelling unit and the backbone cabling. It specifies cabling intended to support a wide range of telecommunications applications in the residential environment including voice, data, video, security, audio, and control systems.

Single copy price: $133.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: standards@tiaonline.org

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

TIA (Telecommunications Industry Association)

Revision

BSR/TIA 4953-B-201x, Telecommunications Communications Products Amplified Telephone Measurement Procedures and Performance Requirements (revision and redesignation of ANSI/TIA 4953-A-2015)

Revise the Moderate and Severe hearing loss categories.

Single copy price: $133.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: standards@tiaonline.org

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 561-2011 (R201x), Standard for Safety for Floor Finishing Machines (reaffirmation of ANSI/UL 561-2011)

This proposal contains the following topic: (1) Reaffirmation and continuance of the 7th edition of the Standard for Floor Finishing Machines, UL 561, as an American National Standard.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 6420-2012 (R201x), Standard for Safety for Equipment Used for System Isolation and Rated as a Single Unit (reaffirmation of ANSI/UL 6420 -2012)

Reaffirmation of ANSI approval for UL 6420.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 294-201x, Standard for Safety for Access Control System Units (revision of ANSI/UL 294-2013)

This recirculation proposal provides revisions to the UL 294 proposal dated 8/4/17.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1449-201x, Standard for Safety for Surge Protective Devices (revision of ANSI/UL 1449-2017)

(1) Spacings on multi-layer PWBs;

(2) Clarification of N-G testing and high-voltage probes;

(3) Revision of 40.7.1 pertaining to In Measurement;

(4) Addition of New Paragraph 1.19 to include Ambient Temperature Range for SPDs;

(5) Clarification of requirements in Paragraph 41.2;

(6) Addition to require testing when a thermal responsive device opens during the Short Circuit or Intermediate Current Tests;

(7) UL 1449 clarifications and corrections;

(8) Clarifying power factor for Interrupting Tests in Table 47.1;

(9) Clarifying Table 68.1 Heading; and

(10) Expand the values of In, Nominal Discharge Currents, in 40.7.1.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Mitchell Gold, (847) 664-2850, Mitchell.Gold@ul.com

Comment Deadline: January 2, 2018

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

ALI (Automotive Lift Institute)

Revision

BSR/ALI ALOIM-201x, Standard for Automotive Lifts - Safety Requirements for Operation, Inspection and Maintenance (revision of ANSI/ALI ALOIM -2008 (R2013))

This standard covers the safety requirements for the operation, inspection and maintenance of installed automotive vehicle service lifts, regardless of age, country of origin, or certification status. Lifts that are not “automotive vehicle service lifts” are outside the scope of this standard.

Single copy price: $25.00

Order from: info@autolift.org

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

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 1149.10-201x, Standard for High-Speed Test Access Port and On-Chip Distribution Architecture (new standard)

This standard defines a high-speed test access port for delivery of test data, a packet format for describing the test payload and a distribution architecture for converting the test data to/from on-chip test structures. The scope includes IEEE 1149.1, Boundary-Scan Description Language (BSDL) and Procedural Description Language (PDL) documentation, which can be used for configuring a mission mode HSIO to a test mode compatible with the High Speed Test Access Port (HSTAP).

Single copy price: $92.00 (pdf); $115.00 (print)

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

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

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 1859-201x, Standard for Relaxor-Based Single Crystals for Transducer and Actuator Applications (new standard)

This specification covers the physical and electromechanical requirements for relaxor-based piezoelectric single-crystal materials with inherent multiple domains intended for fabrication into single plates, multilayer plate devices, and composites with other passive materials for use in medical, industrial, and military transducers, actuators, and sensors.

Single copy price: $50.00 (pdf)

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

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

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 2030.100-201x, Recommended Practice for Implementing an IEC 61850-Based Substation Communications, Protection, Monitoring, and Control System (new standard)

This recommended practice outlines the necessary steps and procedures implementers of IEC 61850 in substations should undertake in a multi-vendor equipment environment. It is not the intent of this recommended practice to change the IEC 61850 standard, but treats the standard as providing a set of tools engineers and integrators could use in substation protection, automation, and control systems.

Single copy price: $74.00 (pdf); $93.00 (print)

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

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

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 24748-5-201x, ISO/IEC/IEEE International Standard - Systems and Software Engineering - Life Cycle Management - Part 5: Software Development Planning (new standard)

This International Standard provides a common framework for planning and controlling the technical processes and activities to produce and sustain software products. The complete life cycle is covered by this International Standard, from idea conception to the retirement of a software product. The framework described by this International Standard provides for best practices in communication and cooperation among parties that plan for, develop, utilize, and manage modern software.

Single copy price: $58.00 (pdf); $73.00 (print)

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

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

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

BSR/IEEE 62704-2-201x, IEEE/IEC International Standard - Determining the peak spatial-average specific absorption rate (SAR) in the human body from wireless communications devices, 30 MHz to 6 GHz - Part 2: Specific requirements for finite difference time domain (FDTD) modelling of exposure from vehicle mounted antennas (new standard)

This part of IEC/IEEE 62704 establishes the concepts, techniques, validation procedures, uncertainties, and limitations of the finite difference time domain technique (FDTD) when used for determining the peak spatial-average and whole-body average specific absorption rate (SAR) in a standardized human anatomical model exposed to the electromagnetic field emitted by vehicle-mounted antennas in the frequency range from 30 MHz to 1 GHz, which covers typical high-power mobile radio products and applications. This part of IEC/IEEE 62704 specifies and provides the test vehicle, human body models, and the general benchmark data for those models.

Single copy price: $142.00 (pdf); $177.00 (print)

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

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

IEEE (Institute of Electrical and Electronics Engineers)

Revision

BSR/IEEE C57.12.40-201x, Standard for Network, Three-Phase Transformers, 2500 kVA and Smaller; High Voltage, 34 500 V and Below; Low Voltage, 600 V and Below; Subway and Vault Types (Liquid Immersed) (revision of ANSI/IEEE C57.12.40-2006)

This standard covers certain electrical, dimensional, and mechanical characteristics and takes into consideration certain safety features of three-phase, 60-Hz, liquid-immersed, self-cooled, network transformers with a primary grounding switch. These transformers are rated 2500 kVA and below with high voltages of 34 500 volts and below and secondaries of 600 volts and below. These transformers are generally used for step-down purposes from underground primary cables and supply a secondary network system through network protectors. These transformers are typically installed below ground level.

Single copy price: $58.00 (pdf); $73.00 (print)

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

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

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

New Standard

INCITS 540-201x, Information technology - Fibre Channel - Non-Volatile Memory Express (NVMe) (new standard)

The NVM Express (NVMe) (see http://nvmexpress.org) is a scalable host controller interface designed to address the needs of Enterprise, Data Center, and Client systems that utilize PCI Express® (PCIe®) (see http://www.pcisig.com) -based solid-state drives. The interface provides an optimized command issue and completion path. It includes support for parallel operation by supporting up to 65,535 I/O queues with up to 64K outstanding commands per I/O queue. Additionally, support has been added for many Enterprise capabilities like end-to-end data protection, enhanced error reporting, and virtualization.

Single copy price: Free

Obtain an electronic copy from: https://standards.incits.org/apps/group_public/document.php?document_id=92604&wg_abbrev=eb

Order from: https://standards.incits.org/apps/group_public/document.php?document_id=92604&wg_abbrev=eb

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

Correction

Error in Designation

ATIS 0300221

The October 20, 2017 Call for Comment section mistakenly listed ATIS 0300221, as the designation for the ATIS standard, "Uniform Language for Accessing Power Plants - Human-Machine Language". This designation was incorrect and should have been listed as:

BSR/ATIS 0600317-1993 (S201x)

Uniform Language for Accessing Power Plants - Human-Machine Language

(stabilized maintenance of ANSI ATIS 0600317-1993 (R2013)).

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 St. 17th Floor
New York, NY 10005

Contact: *Patricia McGillicuddy*

Phone: (212) 248-5000

E-mail: pmcgillicuddy@ies.org

BSR/IES RP-8-201x, Roadway Lighting (revision of ANSI/IES RP-8 -2014)

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

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

Contact: *Lynn Barra*

Phone: (202) 737-8888

Fax: (202) 638-4922

E-mail: comments@standards.incits.org

INCITS 540-201x, Information technology - Fibre Channel - Non-Volatile Memory Express (NVMe) (new standard)

NEMA (ASC C18) (National Electrical Manufacturers Association)

Office: 1300 N 17th St
Rosslyn, VA 22209

Contact: *Khaled Masri*

Phone: (703) 841-3278

Fax: (703) 841-3378

E-mail: Khaled.Masri@nema.org

BSR C18.5M Part 1-201x, Lithium Secondary Cells and Batteries (new standard)

NSF (NSF International)

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

Contact: *Monica Leslie*

Phone: (734) 827-5643

Fax: (734) 827-7880

E-mail: mleslie@nsf.org

BSR/NSF 53-201x (i108r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2016)

BSR/NSF 330-201x (i9r1), Glossary of Drinking Water Treatment Unit Terminology (revision of ANSI/NSF 330-2015)

TIA (Telecommunications Industry Association)

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

Contact: *Teesha Jenkins*

Phone: (703) 907-7706

Fax: (703) 907-7727

E-mail: standards@tiaonline.org

BSR/TIA 570-D-201x, Residential Telecommunications Infrastructure Standard (revision and redesignation of ANSI/TIA 570-C-2012)

BSR/TIA 920.123-201x, Transmission Requirements for Digital Interface Communications Devices with Group Speakerphone (new standard)

BSR/TIA 4953-B-201x, Telecommunications Communications Products Amplified Telephone Measurement Procedures and Performance Requirements (revision and redesignation of ANSI/TIA 4953-A-2015)

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.

ANS (American Nuclear Society)

Reaffirmation

ANSI/ANS 8.3-1997 (R2017), Criticality Accident Alarm System (reaffirmation of ANSI/ANS 8.3-1997 (R2012)): 10/25/2017

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

Addenda

ANSI/ASHRAE 34C-2017, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 10/10/2017

ANSI/ASHRAEd 34F-2017, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 10/10/2017

ASME (American Society of Mechanical Engineers)

Revision

ANSI/ASME A17.2-2017, Guide for Inspection of Elevators, Escalators, and Moving Walks (revision of ANSI/ASME A17.2 -2014): 10/25/2017

AWS (American Welding Society)

Revision

ANSI/AWS A5.11/A5.11M-2018, Specification for Nickel and Nickel-Alloy Welding Electrodes for Shielded Metal Arc Welding (revision of ANSI/AWS A5.11/A5.11M-2010): 10/27/2017

ANSI/AWS A5.14/A5.14M-2018, Specification for Nickel and Nickel-Alloy Bare Welding Electrodes and Rods (revision of ANSI/AWS A5.14/A5.14M:2011): 10/30/2017

AWWA (American Water Works Association)

Revision

ANSI/AWWA B130-2017, Membrane Bioreactor Systems (revision of ANSI/AWWA B130-2013): 10/25/2017

ANSI/AWWA C205-2017, Cement-Mortar Protective Lining and Coating for Steel Water Pipe - 4 In. (100 mm) and Larger - Shop Applied (revision of ANSI/AWWA C205-2012): 10/25/2017

ICC (International Code Council)

New Standard

* ANSI/ICC 902/SRCC 400-2017, Solar Pool and Spa Heating Systems Standard (new standard): 10/30/2017

IES (Illuminating Engineering Society)

New Standard

ANSI/IES TM-23-2017, Lighting Control Protocols (new standard): 10/27/2017

INMM (ASC N15) (Institute of Nuclear Materials Management)

Revision

ANSI N15.51-2017, Standard for Methods of Nuclear Material Control; Measurement Control Program - Nuclear Materials Analytical Chemistry Laboratory (revision of ANSI N15.51-2007): 10/27/2017

NCPDP (National Council for Prescription Drug Programs)

Revision

ANSI/NCPDP Audit Transaction v33-2017, NCPDP Audit Transaction Standard v33 (revision and redesignation of BSR/NCPDP Audit Transaction v32-201x): 10/26/2017

ANSI/NCPDP Post Adj v47-2017, NCPDP Post Adjudication Standard V47 (revision and redesignation of BSR/NCPDP Post Adj v46-201x): 10/25/2017

NEMA (ASC C136) (National Electrical Manufacturers Association)

Revision

ANSI C136.10-2017, Standard for Roadway and Area Lighting Equipment - Locking-Type Photocontrol Devices and Mating Receptacles - Physical and Electrical Interchangeability and Testing (revision of ANSI C136.10-2010): 10/27/2017

NEMA (ASC Z535) (National Electrical Manufacturers Association)

Reaffirmation

ANSI Z535.5-2011 (R2017), Standard for Safety Tags and Barricade Tapes (for Temporary Hazards) (reaffirmation of ANSI Z535.5 -2011): 10/25/2017

* ANSI Z535.6-2011 (R2017), Product Safety Information in Product Manuals, Instructions, and Other Collateral Materials (reaffirmation of ANSI Z535.6-2011): 10/27/2017

NSF (NSF International)

New Standard

* ANSI/NSF 457-2017 (i1r2 ADJ), Sustainability Leadership Standard for Photovoltaic Modules (new standard): 10/16/2017

Revision

ANSI/NSF 42-2017 (i93r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2016): 10/24/2017

* ANSI/NSF 60-2017 (i78r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF 60-2016): 10/23/2017

* ANSI/NSF 61-2017 (i137r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2016): 10/23/2017

* ANSI/NSF 61-2017 (i137r2), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2016): 10/23/2017

* ANSI/NSF 61-2017 (i138r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2016): 10/23/2017

* ANSI/NSF 173-2017 (i71r1), Dietary Supplements (revision of ANSI/NSF 173-2016): 10/15/2017

PMI (Project Management Institute)

New Standard

ANSI/PMI 17-005-2017, The Standard for Business Analysis (new standard): 10/30/2017

SPRI (Single Ply Roofing Institute)

Reaffirmation

ANSI/SPRI/RCI NT-1-2012 (R2017), Detection and Location of Latent Moisture in Building Roofing Systems by Nuclear Radioisotopic Thermalization (reaffirmation of ANSI/SPRI/RCI NT-1-2012): 10/25/2017

TIA (Telecommunications Industry Association)

Addenda

ANSI/TIA 862-B-1-2017, Structured Cabling Infrastructure Standard for Intelligent Building Systems - Addendum 1: Updated References, Accommodation of New Media Types (addenda to ANSI/TIA 862-B -2016): 10/27/2017

ANSI/TIA 4966-1-2017, Telecommunications Infrastructure Standard for Educational Facilities - Addendum 1: Updated References, Accommodation of New Media Types (addenda to ANSI/TIA 4966 -2014): 10/27/2017

UAMA (ASC B7) (Unified Abrasives Manufacturers' Association)

Revision

* ANSI B7.1-2017, Safety Requirements for the Use, Care and Protection of Abrasive Wheels (revision of ANSI B7.1-2010): 10/25/2017

UL (Underwriters Laboratories, Inc.)

New Standard

* ANSI/UL 60335-2-1000-2017, Standard for Safety for Household and Similar Electrical Appliances: Particular Requirements for Electrically Powered Pool Lifts (new standard): 9/29/2017

Reaffirmation

ANSI/UL 437-2013 (R2017), Standard for Safety for Key Locks (reaffirmation of ANSI/UL 437-2013): 10/24/2017

Revision

ANSI/UL 83-2017, Standard for Safety for Thermoplastic-Insulated Wires and Cables (Proposal dated 2/24/17) (revision of ANSI/UL 83 -2014): 7/28/2017

ANSI/UL 83-2017a, Standard for Safety for Thermoplastic-Insulated Wires and Cables (Proposal dated 7-1-16) (revision of ANSI/UL 83 -2014): 7/28/2017

ANSI/UL 763-2017, Standard for Safety for Motor-Operated Commercial Food Preparing Machines (revision of ANSI/UL 763 -2014): 10/23/2017

ANSI/UL 763-2017a, Standard for Safety for Motor-Operated Commercial Food Preparing Machines (revision of ANSI/UL 763 -2014): 10/23/2017

ANSI/UL 842-2017, Standard for Safety for Valves for Flammable Fluids (revision of ANSI/UL 842-2015): 10/26/2017

ANSI/UL 842A-2017, Standard for Safety for Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (revision of ANSI/UL 842A-2015): 10/26/2016

ANSI/UL 842B-2017, Standard for Safety for Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 842B-2015): 10/26/2017

ANSI/UL 943B-2017, Standard for Safety for Appliance Leakage-Current Interrupters (revision of ANSI/UL 943B-2011 (R2016)): 10/26/2017

ANSI/UL 943B-2017a, Standard for Safety for Appliance Leakage-Current Interrupters (revision of ANSI/UL 943B-2011 (R2016)): 10/26/2016

* ANSI/UL 982-2017, Standard for Safety for Motor-Operated Household Food Preparing Machines (revision of ANSI/UL 982 -2016): 10/25/2017

* ANSI/UL 982-2017a, Standard for Safety for Motor-Operated Household Food Preparing Machines (revision of ANSI/UL 982 -2016): 10/25/2017

ANSI/UL 1090-2017, Standard for Safety for Electric Snow Movers (revision of ANSI/UL 1090-2016): 9/20/2017

ANSI/UL 1090-2017a, Standard for Safety for Electric Snow Movers (revision of ANSI/UL 1090-2016): 9/20/2017

Project Initiation Notification System (PINS)

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

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

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

ALI (ASC A14) (American Ladder Institute)

Office: 330 N. Wabash Avenue, Suite 2000
Chicago, IL 60611

Contact: *Ben Barclay*

E-mail: info@americanladderinstitute.org

* BSR A14.8-201x, Requirements for Ladder Accessories (revision of ANSI A14.8-2013)

Stakeholders: Ladder manufacturers, users, contractors, tradespeople.

Project Need: Based on the 5-year renewal cycle, which incorporates updates and necessary changes.

This standard is intended to provide guidelines for the safe design and construction of ladder accessories covered by this standard. It is also intended to provide the manufacturer of ladders and ladder accessories with a set of design, performance, and construction requirements to which this product may be compared. It is not the purpose of this standard to specify all the construction details or materials to be used for portable ladder accessories, but rather to provide general requirements and testing methods.

ASABE (American Society of Agricultural and Biological Engineers)

Office: 2950 Niles Road
Saint Joseph, MI 49085

Contact: *Jean Walsh*

Fax: (269) 429-3852

E-mail: walsh@asabe.org

BSR/ASAE D241.5 MONYEAR-201x, Density, Specific Gravity, and Mass-Moisture Relationships of Grain for Storage (revision and redesignation of ANSI/ASAE D241.4-FEB93 (R2013))

Stakeholders: Engineers working in the grain, feed, food, and bioprocessing industries.

Project Need: Data has become dated. Data presented, including figures and tables, needs to be updated.

Provide recommendations for density, specific gravity, and moisture for grain storage.

ASTM (ASTM International)

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

Contact: *Corice Leonard*

Fax: (610) 834-3683

E-mail: accreditation@astm.org

BSR/ASTM WK60816-201x, New Practice for Evaluation of Suitability of 37 mm Filter Monitors and 47 mm Filters Used to Determine Particulate Contaminant in Aviation Turbine Fuel (new standard)

Stakeholders: Fuel Cleanliness industry.

Project Need: This practice determines suitability of products used for measuring particulate contamination in aviation turbine fuel. There are two major sections of this practice. The first is for evaluation of the tenite field monitors that are used in combination with the mixed cellulose ester (MCE) filters and the filter support pads. The second section is for evaluation of the MCE filter when used with an appropriate tenite field monitor.

https://www.astm.org/DATABASE.CART/WORKITEMS/WK60816.htm

AWS (American Welding Society)

Office: 8669 NW 36th Street, Suite 130
Miami, FL 33166

Contact: *Jennifer Molin*

Fax: (305) 443-5951

E-mail: jmolin@aws.org

BSR/AWS D1.3/D1.3M-201x, Structural Welding Code - Sheet Steel (revision of ANSI/AWS D1.3/D1.3M-2017)

Stakeholders: Manufacturers, welders, engineers, fabricators, designers.

Project Need: The code requirements cover any welded joint made from the commonly used structural quality low-carbon hot-rolled and cold-rolled sheet and strip steel with or without zinc coating (galvanized).

This code contains the requirements for arc welding of structural sheet/strip steels, including cold-formed members, collectively referred to as “sheet steel” in this standard, which are equal to or less than 3/16 in (0.188 in) [4.8 mm] in nominal thickness. When this code is stipulated in contract documents, conformance with all its provisions shall be required, except for those provisions that the Engineer or contract documents specifically modifies or exempts.

BSR/AWS D1.8/D1.8M-201x, Structural Welding Code - Seismic Supplement (revision of ANSI/AWS D1.8/D1.8M-2016)

Stakeholders: Manufacturers, welders, engineers, fabricators, designers.

Project Need: This code is intended to be applicable to welded joints in Seismic Force Resisting Systems designed in accordance with the AISC Seismic Provisions.

The provisions of this code supplement the provisions of AWS D1.1/D1.1M, Structural Welding Code - Steel, and shall apply to the design, fabrication, quality control, and quality assurance of welded joints designed in accordance with the AISC Seismic Provisions for Structural Steel Buildings. All provisions of AWS D1.1/D1.1M for statically loaded structures shall apply to the designated welds, except as specifically modified in this standard.

AWS (American Welding Society)

Office: 8669 NW 36th Street
Suite #130
Miami, FL 33166-6672

Contact: *Jennifer Rosario*

Fax: (305) 443-5951

E-mail: jrosario@aws.org

BSR/AWS B2.5/B2.5M-201x, Welding and Allied Processes - Guidelines for Measurement of Arc Energies (national adoption with modifications of ISO/TR 18491:2015 MOD)

Stakeholders: Welders, inspectors, engineers, manufacturers.

Project Need: Guidance is required on how to accurately measure welding energy and calculate heat input

This document provides a method to accurately determine welding energy and heat input, both in the case of traditional welding systems and those that employ complex waveforms. It is intended that this specification be referenced by other welding codes that require the control of heat input or arc energy to control properties of the weldment, such as strength, toughness, corrosion, or dimensional properties.

IES (Illuminating Engineering Society)

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

Contact: *Patricia McGillicuddy*

E-mail: pmcgillicuddy@ies.org

BSR/IES DG-28-201x, Design Guide for the Selection, Installation, Operations and Maintenance of Roadway Lighting Control Systems (revision of ANSI/IES DG-28-2015)

Stakeholders: Lighting practitioners, engineers, utilities, roadway maintenance companies, regulatory agencies.

Project Need: Technology and practice updates.

Revisions to the standard to update the systems design approach and utilization of new technology, including linkages to municipal monitoring systems for security and public utilities.

BSR/IES RP-8-201x, Roadway Lighting (revision of ANSI/IES RP-8 -2014)

Stakeholders: Roadway lighting practitioners, engineers, utilities, municipal engineers.

Project Need: Revision to a few sections related to Mesopic Vision.

Revisions to Section 3.9, Spectral Considerations.

NEMA (ASC C18) (National Electrical Manufacturers Association)

Office: 1300 N 17th St
Rosslyn, VA 22209

Contact: *Khaled Masri*

Fax: (703) 841-3378

E-mail: Khaled.Masri@nema.org

* BSR C18.5M Part 1-201x, Lithium Secondary Cells and Batteries (new standard)

Stakeholders: Manufacturers, users and testing laboratories of Portable Rechargeable Cells and Batteries.

Project Need: To fill the standards gap for Lithium Ion performance.

This standard applies to portable rechargeable lithium-ion cells and batteries. It contains general information and standardized performance and mechanical tests.

UL (Underwriters Laboratories, Inc.)

Office: 12 Laboratory Drive
Research Triangle Park, NC 27709-3995

Contact: *Ross Wilson*

Fax: (631) 271-6200

E-mail: Ross.Wilson@ul.com

* BSR/UL 1204-201x, Standard for Safety for Parts Cleaners (new standard)

Stakeholders: Parts cleaner manufacturers, Garage Equipment industry, mechanics, and consumers.

Project Need: To obtain national recognition of a standard covering parts cleaners.

These requirements cover parts cleaners used for cleaning or removing grease and similar substances from the item contaminated. These requirements cover electrically operated parts cleaners rated up to 600 V, or manual-type parts cleaners with no electrical connection. These units are intended for use with flammable/combustible liquids or non-flammable/non-combustible cleaning solutions as detailed in the instruction manual provided with the unit and labels on the unit.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

ALI
Automotive Lift Institute

PO Box 85
80 Wheeler Avenue
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Phone: (607) 756-7775
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ALI (ASC A14)
American Ladder Institute

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Web: www.americanladderinstitute.org

ANS
American Nuclear Society

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Web: www.ans.org

ASABE
American Society of Agricultural and Biological Engineers

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Fax: (269) 429-3852
Web: www.asabe.org

ASC X9
Accredited Standards Committee X9, Incorporated

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Annapolis, MD 21401
Phone: (410) 267-7707
Web: www.x9.org

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

1791 Tullie Circle NE
Atlanta, GA 30329
Phone: (678) 539-1209
Fax: (678) 539-2209
Web: www.ashrae.org

ASME
American Society of Mechanical Engineers

Two Park Avenue
New York, NY 10016
Phone: (212) 591-8521
Fax: (212) 591-8501
Web: www.asme.org

ASTM
ASTM International

100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
Phone: (610) 832-9744
Fax: (610) 834-3683
Web: www.astm.org

ATIS
Alliance for Telecommunications Industry Solutions

1200 G Street NW
Suite 500
Washington, DC 20005
Phone: (202) 434-8840
Web: www.atis.org

AWS
American Welding Society

8669 NW 36th Street
Suite #130
Miami, FL 33166-6672
Phone: (800) 443-9353
Fax: (305) 443-5951
Web: www.aws.org

AWWA
American Water Works Association

6666 W. Quincy Ave.
Denver, CO 80235
Phone: (303) 347-6178
Fax: (303) 795-7603
Web: www.awwa.org

GBI
Green Building Initiative

PO Box 80010
Portland, OR 97280
Phone: (207) 807-8666
Web: www.thegbi.org

HPS (ASC N13)
Health Physics Society

1313 Dolley Madison Blvd #402
McLean, VA 22101
Phone: (703) 790-1745
Fax: (703) 790-2672
Web: www.hps.org

ICC
International Code Council

4051 West Flossmoor Road
Country Club Hills, IL 60478-5795
Phone: (888) 422-7233
Fax: (708) 799-0320
Web: www.iccsafe.org

IEEE
Institute of Electrical and Electronics Engineers (IEEE)

445 Hoes Lane
Piscataway, NJ 08854
Phone: (732) 562-3854
Fax: (732) 796-6966
Web: www.ieee.org

IES
Illuminating Engineering Society

120 Wall St. 17th Floor
New York, NY 10005
Phone: (212) 248-5000
Web: www.ies.org

INMM (ASC N15)
Institute of Nuclear Materials Management

9800 S. Cass Avenue
Argonne, IL 60439
Phone: 630-252-1985
Web: www.inmm.org

ITI (INCITS)
InterNational Committee for Information Technology Standards

1101 K Street NW
Suite 610
Washington, DC 20005-3922
Phone: (202) 626-5737
Fax: (202) 638-4922
Web: www.incits.org

NCPDP
National Council for Prescription Drug Programs

9240 East Raintree Drive
Scottsdale, AZ 85260
Phone: (480) 296-4584
Fax: (480) 767-1042
Web: www.ncpdp.org

NEMA (ASC C12)
National Electrical Manufacturers Association

1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3227
Fax: (703) 841-3327
Web: www.nema.org

NEMA (ASC C136)
National Electrical Manufacturers Association

1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3277
Fax: (703) 841-3378
Web: www.nema.org

NEMA (ASC C18)
National Electrical Manufacturers Association

1300 N 17th St
Rosslyn, VA 22209
Phone: (703) 841-3278
Fax: (703) 841-3378
Web: www.nema.org

NEMA (Canvass)
National Electrical Manufacturers Association

1300 N 17th Street, Suite 900
Arlington, VA 22209
Phone: (703) 841-3238
Web: www.nema.org

NSF
NSF International

789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-5643
Fax: (734) 827-7880
Web: www.nsf.org

PMI (Organization)
Project Management Institute

14 Campus Blvd
Newtown Square, PA 19073-3299
Phone: (313) 404-3507
Fax: (610) 356-4647
Web: www.pmi.org

SPRI
Single Ply Roofing Institute

465 Waverley Oaks Road
Suite 421
Waltham, MA 02452
Phone: (781) 647-7026
Fax: (781) 647-7222
Web: www.spri.org

TIA
Telecommunications Industry Association

1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7706
Fax: (703) 907-7727
Web: www.tiaonline.org

UAMA (ASC B7)
Unified Abrasive Manufacturers' Association

30200 Detroit Road
Cleveland, OH 44145-1967
Phone: (440) 899-0010
Fax: (440) 892-1404
Web: www.uama.org

UL
Underwriters Laboratories, Inc.

333 Pfingsten Road
Northbrook, IL 60062-2096
Phone: (847) 664-2346
Fax: (847) 664-2346
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

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 16140-3, Microbiology of the food chain - Method validation - Part 3: Protocol for the verification of reference and validated alternative methods implemented in a single laboratory - 1/8/2018, $119.00

ISO/DIS 16140-4, Microbiology of the food chain - Method validation - Part 4: Protocol for single-laboratory (in-house) method validation - 1/8/2018, $107.00

ISO/DIS 16140-5, Microbiology of the food chain - Method validation - Part 5: Protocol for factorial interlaboratory validation of non-proprietary methods - 1/8/2018, $102.00

ISO/DIS 16140-6, Microbiology of the food chain - Method validation - Part 6: Protocol for the validation of alternative (proprietary) methods for microbiological confirmation and typing procedures - 1/8/2018, $88.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 16091, Space systems - Integrated logistic support - 11/20/2017, $82.00

BRAND EVALUATION (TC 289)

ISO/DIS 20671, Brand evaluation - Principles and fundamentals - 1/13/2018, $58.00

ERGONOMICS (TC 159)

ISO/DIS 10551, Ergonomics of the physical environment - Subjective judgement scales for assessing physical environments - 1/15/2018, $71.00

FERTILIZERS AND SOIL CONDITIONERS (TC 134)

ISO/DIS 20977, Liming materials - Determination of size distribution by dry and wet sieving - 11/16/2017, $62.00

FOOTWEAR (TC 216)

ISO/DIS 20535, Footwear - Test methods for insoles - Dimensional change after cycle of wetting and drying - 1/13/2018, $33.00

MACHINE TOOLS (TC 39)

ISO/DIS 17543-1, Machines tools - Test conditions for universal spindle heads - Part 1: Accessory heads for machines with horizontal spindle (horizontal Z-axis) - 1/15/2018, $119.00

MECHANICAL TESTING OF METALS (TC 164)

ISO/DIS 1143, Metallic materials - Rotating bar bending fatigue testing - 1/15/2018, $93.00

ISO/DIS 20064, Metallic materials - Steel - Method of test for the determination of brittle crack arrest toughness, Kca - 1/15/2018, $119.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO 374-1/DAmd1, Rice - Determination of rice kernel resistance to extrusion after cooking- Amendment 1 - 11/20/2017, $29.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO/DIS 3104, Petroleum products - Transparent and opaque liquids - Determination of kinematic viscosity and calculation of dynamic viscosity - 11/16/2017, $77.00

ISO/DIS 3405, Petroleum and related products from natural or synthetic sources - Determination of distillation characteristics at atmospheric pressure - 11/16/2017, $102.00

PLASTICS (TC 61)

ISO/DIS 307, Plastics - Polyamides - Determination of viscosity number - 1/15/2018, $107.00

ROBOTS AND ROBOTIC DEVICES (TC 299)

ISO/DIS 18646-2, Robotics - Performance criteria and related test methods for service robots - Part 2: Navigation - 1/15/2018, $82.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 11711-1, Ships and marine technology - Aquatic nuisance species - Part 1: Ballast water discharge sample port - 1/15/2018, $58.00

ISO/DIS 17325-4, Ships and marine technology - Marine environment protection - Oil booms - Part 4: Auxiliary equipment - 1/15/2018, $53.00

TECHNICAL SYSTEMS AND AIDS FOR DISABLED OR HANDICAPPED PERSONS (TC 173)

ISO/DIS 21802, Assistive products - Guidelines on cognitive accessibility - Daily time management - 1/14/2018, $82.00

TYRES, RIMS AND VALVES (TC 31)

ISO/DIS 20910, Coding for radio frequency identification (RFID) tyre tags - 1/7/2018, $58.00

WATER QUALITY (TC 147)

ISO/DIS 7027-2, Water quality - Determination of turbidity - Part 2: Semi-quantitative methods for the assessment of transparency of waters - 1/13/2018, $58.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 21000-8/DAmd4, Information technology - Multimedia framework (MPEG-21) - Part 8: Reference software - Amendment 4: Media value chain ontology extensions on time-segments and multi-track audio - 11/20/2017, $33.00

ISO/IEC 23003-4/DAmd3, Information technology - MPEG audio technologies - Part 4: Dynamic Range Control - Amendment 3: Conformance - 11/20/2017, $102.00

ISO/IEC 23001-11/DAmd3, Information technology - MPEG systems technologies - Part 11: Energy-efficient media consumption (green metadata) - Amendment 3 - 11/17/2017, $71.00

ISO/IEC DIS 20027, Information technology - Best practices for slap ten print fingerprint capture - 11/18/2017, $71.00

ISO/IEC DIS 26553, Information technology - Software and systems engineering - Tools and methods for product line realization - 11/17/2017, $134.00

ISO/IEC DIS 26554, Information technology - Software and systems engineering - Tools and methods for product line testing - 11/17/2017, $134.00

ISO/IEC DIS 26556, Information technology - Software and systems engineering - Tools and methods for product line organizational management - 11/17/2017, $134.00

ISO/IEC DIS 23005-2, Information technology - Media context and control - Part 2: Control information - 11/17/2017, $230.00

ISO/IEC DIS 23005-3, Information technology - Media context and control - Part 3: Sensory information - 11/19/2017, $165.00

ISO/IEC DIS 23005-4, Information technology - Media context and control - Part 4: Virtual world object characteristics - 11/19/2017, $215.00

ISO/IEC DIS 23008-9, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 9: 3D Audio conformance testing - 11/19/2017, $155.00

ISO/IEC DIS 23001-13, Information technology - MPEG systems technologies - Part 13: Media orchestration - 11/20/2017, $146.00

IEC Standards

CAB/1705/DV, IECRE 01-S Ed. 2 Supplement to IEC CA 01 for CAB approval, /2017/11/2

10/1047/FDIS, IEC 61125 ED2: Insulating liquids - Test methods for oxidation stability - Test method for evaluating the oxidation stability of insulating liquids in the delivered state, 2017/12/8

15/815/FDIS, IEC 62677-3-102 ED1: Heat-shrinkable low and medium voltage moulded shapes - Part 3: Specification for individual materials - Sheet 102: Heat-shrinkable, polyolefin, anti-tracking moulded shapes for medium voltage applications, 2017/12/8

15/814/FDIS, IEC 62677-3-101 ED1: Heat-shrinkable low and medium voltage moulded shapes - Part 3: Specification for individual materials - Sheet 101: Heat-shrinkable, polyolefin moulded shapes for low voltage applications, 2017/12/8

20/1769/FDIS, IEC 60230 ED2: Impulse tests on cables and their accessories, 2017/12/8

27/1043/CD, IEC 60050-841 ED3: International Electrotechnical Vocabulary - Part 841: Industrial electroheat, 2018/1/19

34A/2045/CD, IEC 61167/AMD1 ED4: Metal halide lamps - Performance specification, 2018/1/19

37A/306/FDIS, IEC 61643-31 ED1: Low-voltage surge protective devices -- Part 31: Requirements and test methods for SPDs for photovoltaic installations, 2017/12/8

37B/161/FDIS, IEC 61643-352 ED1: Components for low-voltage surge protection - Part 352: Selection and application principles for telecommunications and signalling network surge isolation transformers (SITs), 2017/12/8

46A/1348/FDIS, IEC 61196-1-303 ED1: Coaxial communication cables Part 1-303: Mechanical test methods test methods - Test for plating thickness, 2017/12/8

47/2427/CDV, IEC 62435-6 ED1: Electronic components - Long-term storage of electronic semiconductor devices - Part 6: Packaged or Finished Devices, 2018/1/19

47/2428/CDV, IEC 62951-6 ED1: Semiconductor devices - Flexible and stretchable semiconductor devices - Part 6: Test method for sheet resistance of flexible conducting films, 2018/1/19

48B/2595/CDV, IEC 60512-28-100 ED2: Connectors for electrical and electronic equipment - Tests and measurements - Part 28-100: Signal integrity tests up to 2000 mhz - Tests 28a to 28g, 2018/1/19

48B/2591(F)/CDV, IEC 60512-99-002 ED1: Connectors for electronic equipment - tests and measurements - Part 99-002: Endurance test schedules - Test 99b, Test schedule for unintended unmating under electrical load, 018/1/5/

48B/2590(F)/CDV, IEC 60512-1 ED5: Connectors for electronic equipment - Tests and measurements - Part 1: General, 018/1/5/

48D/649(F)/CDV, IEC 62966-1 ED1: Mechanical structures for electrical and electronic equipment - Aisle containment for IT cabinets - Part 1: Dimensions and mechanical requirements, /2017/12/2

49/1252/CDV, IEC 61837-2 ED3: Surface mounted piezoelectric devices for frequency control and selection - Standard outlines and terminal lead connections - Part 2: Ceramic enclosures, 2018/1/19

57/1939/DTR, IEC TR 62351-90-2 ED1: Power systems management and associated information exchange - Data and communications security - Part 90-2: Deep Packet Inspection (DPI) of encrypted communications, /2017/12/2

59F/329/CDV, IEC/ASTM 62885-6 ED1: Surface cleaning appliances - Part 6: Wet hard floor cleaning appliances for household or similar use - Methods for measuring the performance, 2018/1/19

59F/334/DTS, IEC TS 62885-1 ED2: Surface cleaning appliances - Part 1: General requirements on test material and test equipment, 2018/1/19

61D/386/FDIS, IEC 60335-2-40 ED6: Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers, 2017/12/8

62B/1071/NP, PNW 62B-1071: Good refurbishment practices for medical imaging equipment, 2018/1/19

62B/1068(F)/CDV, IEC 62464-1 ED2: Magnetic resonance equipment for medical imaging - Part 1: Determination of essential image quality parameters, /2017/12/2

62D/1538/NP, PNW 62D-1538: Non-invasive sphygmomanometers - Part 4: Requirements for devices intended for use during patient transport, 2018/1/19

62D/1537/FDIS, ISO 80369-1 ED2: Small-bore connectors for liquids and gases in healthcare applications - Part 1: General requirements, 2017/12/8

69/537/CD, IEC 61851-23-2 ED1: Electric vehicle conductive charging system - Part 23-2: DC charging system for small energy capacity, 2018/1/19

82/1363/CD, IEC 62788-6-2 ED1: Measurement procedures for materials used in photovoltaic modules - Part 6-2: General tests - Moisture permeation testing with polymeric films, 2018/1/19

82/1365/NP, PNW 82-1365: Measurement procedures for materials used in photovoltaic modules - Part 8-2: Materials and coatings for the irradiant incident surface of photovoltaic modules or similar solar devices: Abrasion and environmental testing (proposed IEC 62788-8 -2), 2018/1/19

82/1361/CD, IEC 62788-5-1 ED1: Measurement procedures for materials used in photovoltaic modules - Part 5-1: Edge seals - Suggested test methods for use with edge seal materials, 2018/1/19

82/1362/CD, IEC 62788-5-2 ED1: Measurement procedures for materials used in photovoltaic modules - Part 5-2: Edge seals - Edge-seal durability evaluation guideline, 2018/1/19

86A/1833/FDIS, IEC 60793-1-54 ED3: Optical fibres - Part 1-54: Measurement methods and test procedures - Gamma irradiation, 2017/12/8

88/654/NP, PNW 88-654: Wind energy generation systems - Part 8: Design of wind turbine structural components (proposed IEC 61400 -8), 2018/1/19

110/928/CD, IEC 62715-6-3 ED1: Flexible display devices - Part 6-3: Mechanical test methods - Impact and hardness tests, /2017/12/2

110/927/CD, IEC TS 62341-6-5 ED1: Organic light emitting diode (OLED) displays - Measuring methods of dynamic range properties, /2017/12/2

112/406/CDV, IEC 62631-3-4 ED1: Dielectric and resistive properties of solid insulating materials - Part 3-4: Determination of resistive properties (DC methods) - Volume resistance and volume resistivity at elevated temperatures, 2018/1/19

113/391/CD, IEC TS 62876-3-1 ED1: Nanomanufacturing - Reliability assessment - Part 3.1: Graphene - Stability test: Temperature and humidity, 2018/1/19

113/389/NP, PNW 113-389: Photovoltaic device evaluation method for indoor light, 2018/1/19

113/390/NP, PNW TS 113-390 ED1: Nanomanufacturing - Key control Characteristics - Part 6-11: Graphene - Defect level of graphene analysed by Raman spectroscopy, 2018/1/19

116/353/FDIS, IEC 62841-2-11/AMD1 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-11: Particular requirements for hand-held reciprocating saws, 2017/12/8

CISPR/1389/DC, Increasing number of devices, 2018/1/19

CIS/H/339/FDIS, IEC 61000-6-4/AMD2 ED2: Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments, 2017/12/8

JTC1-SC41/18/FDIS, ISO/IEC 30140-1 ED1: Information technology -- Underwater acoustic sensor network (UWASN) -- Part 1: Overview and requirements, /2017/12/2

Newly Published ISO & IEC Standards

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

ISO Standards

ISO/IEC JTC 1 Technical Reports

ISO/IEC TR 29170-1:2017, Information technology - Advanced image coding and evaluation - Part 1: Guidelines for image coding system evaluation, $162.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 2256/Amd1:2017, Dried mint (spearmint) (Mentha spicata Linnaeus syn. Mentha viridis Linnaeus) - Specification - Amendment 1, $19.00

ISO 6571/Amd1:2017, Spices, condiments and herbs - Determination of volatile oil content (hydrodistillation method) - Amendment 1, $19.00

ISO 11747/Amd1:2017, Rice - Determination of rice kernel resistance to extrusion after cooking - Amendment 1, $19.00

APPLICATIONS OF STATISTICAL METHODS (TC 69)

ISO 28590:2017, Sampling procedures for inspection by attributes - Introduction to the ISO 2859 series of standards for sampling for inspection by attributes, $68.00

ISO 28591:2017, Sequential sampling plans for inspection by attributes, $185.00

ISO 28592:2017, Double sampling plans by attributes with minimal sample sizes, indexed by producers risk quality (PRQ) and consumers risk quality (CRQ), $209.00

ISO 28593:2017, Acceptance sampling procedures by attributes - Accept-zero sampling system based on credit principle for controlling outgoing quality, $68.00

ISO 28594:2017, Combined accept-zero sampling systems and process control procedures for product acceptance, $185.00

ISO 28597:2017, Acceptance sampling procedures by attributes - Specified quality levels in nonconforming items per million, $138.00

ISO 28598-1:2017, Acceptance sampling procedures based on the allocation of priorities principle (APP) - Part 1: Guidelines for the APP approach, $138.00

CLEANROOMS AND ASSOCIATED CONTROLLED ENVIRONMENTS (TC 209)

ISO 14644-15:2017, Cleanrooms and associated controlled environments - Part 15: Assessment of suitability for use of equipment and materials by airborne chemical concentration, $138.00

GLASS IN BUILDING (TC 160)

ISO 18543:2017, Glass in building - Electrochromic glazings - Accelerated ageing test and requirements, $103.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO 15746-2:2017, Automation systems and integration - Integration of advanced process control and optimization capabilities for manufacturing systems - Part 2: Activity models and information exchange, $185.00

INFORMATION AND DOCUMENTATION (TC 46)

ISO 3297:2017, Information and documentation - International standard serial number (ISSN), $138.00

MECHANICAL TESTING OF METALS (TC 164)

ISO 6506-2:2017, Metallic materials - Brinell hardness test - Part 2: Verification and calibration of testing machines, $103.00

MINING (TC 82)

ISO 19434:2017, Mining - Classification of mine accidents, $138.00

NATURAL GAS (TC 193)

ISO 20729:2017, Natural gas - Determination of sulfur compounds - Determination of total sulfur content by ultraviolet fluorescence method, $68.00

NICKEL AND NICKEL ALLOYS (TC 155)

ISO 7529:2017, Nickel alloys - Determination of chromium content - Potentiometric titration method with ammonium iron(II) sulfate, $45.00

PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)

ISO 433:2017, Conveyor belts - Marking, $45.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 7743:2017, Rubber, vulcanized or thermoplastic - Determination of compression stress-strain properties, $138.00

SMALL TOOLS (TC 29)

ISO 16084:2017, Balancing of rotating tools and tool systems, $209.00

STEEL WIRE ROPES (TC 105)

ISO 3108:2017, Steel wire ropes - Test method - Determination of measured breaking force, $45.00

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

ISO 17664:2017, Processing of health care products - Information to be provided by the medical device manufacturer for the processing of medical devices, $138.00

TECHNICAL SYSTEMS AND AIDS FOR DISABLED OR HANDICAPPED PERSONS (TC 173)

ISO 7176-2:2017, Wheelchairs - Part 2: Determination of dynamic stability of electrically powered wheelchairs, $138.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO 20108:2017, Simultaneous interpreting - Quality and transmission of sound and image input - Requirements, $68.00

TIMBER (TC 218)

ISO 13061-11:2017, Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 11: Determination of resistance to impact indentation, $45.00

ISO 13061-12:2017, Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 12: Determination of static hardness, $45.00

ISO 13061-17:2017, Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 17: Determination of ultimate stress in compression parallel to grain, $45.00

TOURISM AND RELATED SERVICES (TC 228)

ISO 20410:2017, Tourism and related services - Bareboat charter - Minimum service and equipment requirements, $103.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO 25110:2017, Electronic fee collection - Interface definition for on-board account using integrated circuit card (ICC), $162.00

ISO Technical Reports

FIREWORKS (TC 264)

ISO/TR 21865:2017, Fireworks - Third party testing - Voluntary scheme, $45.00

NANOTECHNOLOGIES (TC 229)

ISO/TR 19057:2017, Nanotechnologies - Use and application of acellular in vitro tests and methodologies to assess nanomaterial biodurability, $185.00

ISO Technical Specifications

FLUID POWER SYSTEMS (TC 131)

ISO/TS 11686:2017, Connectors for fluid power and general use - Assembly instructions for connectors with adjustable stud ends and O-ring sealing, $68.00

GEARS (TC 60)

ISO/TS 6336-20:2017, Calculation of load capacity of spur and helical gears - Part 20: Calculation of scuffing load capacity (also applicable to bevel and hypoid gears) - Flash temperature method, $185.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 23003-4/Amd2:2017, Information technology - MPEG audio technologies - Part 4: Dynamic Range Control - Amendment 2: Reference software, $19.00

ISO/IEC 18477-4:2017, Information technology - Scalable compression and coding of continuous-tone still images - Part 4: Conformance testing, $162.00

ISO/IEC 20382-1:2017, Information technology - User interfaces - Face-to-face speech translation - Part 1: User interface, $103.00

ISO/IEC 20382-2:2017, Information technology - User interface - Face-to-face speech translation - Part 2: System architecture and functional components, $138.00

ISO/IEC 23009-2:2017, Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 2: Conformance and reference software, $209.00

ISO/IEC 30134-5:2017, Information technology - Data centres - Key performance indicators - Part 5: IT Equipment Utilization for servers (ITEUsv), $68.00

ISO/IEC/IEEE 8802-22/Amd1:2017, Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 22: Cognitive Wireless RAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Policies and Procedures for Operation in the TV Bands - Amendment 1: Management and control plane interfaces and procedures and enhancement to the management information base (MIB), $232.00

ISO/IEC/IEEE 8802-22/Amd2:2017, Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 22: Cognitive Wireless RAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Policies and Procedures for Operation in the TV Bands - Amendment 2: Enhancement for broadband services and monitoring applications, $232.00

ISO/IEC TS 19249:2017, Information technology - Security techniques - Catalogue of architectural and design principles for secure products, systems and applications, $138.00

IEC Standards

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

IEC 61726 Ed. 3.0 b:2015, Cable assemblies, cables, connectors and passive microwave components - Screening attenuation measurement by the reverberation chamber method, $82.00

ELECTRICAL ACCESSORIES (TC 23)

IEC 60755 Ed. 1.0 en:2017, General safety requirements for residual current operated protective devices, $352.00

FIBRE OPTICS (TC 86)

IEC 61300-2-9 Ed. 3.0 b:2017, Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-9: Tests - Shock, $82.00

IEC 60794-5-20 Ed. 1.0 b:2014, Optical fibre cables - Part 5-20: Family specification - Outdoor microduct fibre units, microducts and protected microducts for installation by blowing, $235.00

METHODS FOR THE ASSESSMENT OF ELECTRIC, MAGNETIC AND ELECTROMAGNETIC FIELDS ASSOCIATED WITH HUMAN EXPOSURE (TC 106)

IEC/IEEE 62704-1 Ed. 1.0 en:2017, Determining the peak spatial-average specific absorption rate (SAR) in the human body from wireless communications devices, 30 MHz to 6 GHz - Part 1: General requirements for using the finite difference time-domain (FDTD) method for SAR calculations, $352.00

IEC/IEEE 62704-3 Ed. 1.0 b:2017, Determining the peak spatial-average specific absorption rate (SAR) in the human body from wireless communications devices, 30 MHz to 6 GHz - Part 3: Specific requirements for using the finite difference time domain (FDTD) method for SAR calculations of mobile phones, $235.00

OTHER

CISPR/TR 18-1 Ed. 3.0 en:2017, Radio interference characteristics of overhead power lines and high-voltage equipment - Part 1: Description of phenomena, $352.00

CISPR/TR 18-2 Ed. 3.0 en:2017, Radio interference characteristics of overhead power lines and high-voltage equipment - Part 2: Methods of measurement and procedure for determining limits, $352.00

CISPR/TR 18-3 Ed. 3.0 en:2017, Radio interference characteristics of overhead power lines and high-voltage equipment - Part 3: Code of practice for minimizing the generation of radio noise, $317.00

S+ CISPR/TR 18-2 Ed. 3.0 en:2017 (Redline version), Radio interference characteristics of overhead power lines and high-voltage equipment - Part 2: Methods of measurement and procedure for determining limits, $457.00

S+ CISPR/TR 18-1 Ed. 3.0 en:2017 (Redline version), Radio interference characteristics of overhead power lines and high-voltage equipment - Part 1: Description of phenomena, $457.00

S+ CISPR/TR 18-3 Ed. 3.0 en:2017 (Redline version), Radio interference characteristics of overhead power lines and high-voltage equipment - Part 3: Code of practice for minimizing the generation of radio noise, $412.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

IEC 60335-2-82 Ed. 3.0 en:2017, Household and similar electrical appliances - Safety - Part 2-82: Particular requirements for amusement machines and personal service machines, $117.00

IEC Technical Specifications

PERFORMANCE OF HOUSEHOLD ELECTRICAL APPLIANCES (TC 59)

IEC/TS 62950 Ed. 1.0 en:2017, Household and similar electrical appliances - Specifying smart capabilities of appliances and devices - General aspects, $235.00

Registration of Organization Names in the United States

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

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

PUBLIC REVIEW

ORSUS

Public Review: August 11 to November 9, 2017

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

A challenge is initiated when a letter from an interested entity is received by the Registration Coordinator. The letter shall identify the alphanumeric organization name being challenged and state the rationale supporting the challenge.

A challenge fee shall accompany the letter. After receipt of the challenge, the alphanumeric organization name shall be marked as challenged in the Public Review list. The Registration Coordinator shall take no further action to register the challenged name until the challenge is resolved among the disputing parties.

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

Membersip in the SCTE Standards Program is open to all directly ad 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

Portable Sanitation Association International (PSAI)

ANSI's Executive Standards Council has approved the reaccreditation of the Portable Sanitation Association International (PSAI), an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on PSAI-sponsored American National Standards, effective November 1, 2017. For additional information, please contact: Ms. Karleen Kos, CAE, Executive Director, Portable Sanitation Association International, 2626 East 82nd Street, Suite 175, Bloomington, MN 55425; phone: 952.854.8300; e-mail: karleenk@psai.org.

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 279 – Innovation management

ANSI has been informed that the American Society for Quality (ASQ), the ANSI-accredited U.S. TAG Administrator for ISO/TC 279, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 279 operates under the following scope:

> Standardization of terminology tools and methods and interactions between relevant parties to enable innovation.

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).

ISO New Work Item Proposal

Water efficient products – Banding

Comment Deadline: December 8, 2017

Standards Australia, the ISO member body for Australia, has submitted to ISO a new work item proposal for the development of an ISO standard on Water efficient products - Banding, with the following scope statement:

> To develop an international standard for Water Efficient Products – Test Requirements, Water Efficiency Banding to indicate water efficiency of water-using fittings and appliances, for consumer labelling and other purposes, based on relevant standards and requirements from Australia and supporting countries and other ISO members' national standards.
>
> The scope of the ISO standard will cover the following:
>
> - Water efficiency bandings for the specified plumbing products and appliances.
>
> - Key test requirements for individual plumbing products and appliances and determination to derive a water efficiency banding
>
> The ISO band classification table can be added to each country's own water efficiency label design.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, December 8, 2017.

Information Concerning

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 69/SC 1 – Terminology and Symbols

Reply Deadline: November 13, 2017

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 69/SC 1 – *Terminology and symbols*. ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 69/SC 1 to the American Society for Quality (ASQ). ASQ has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 69/SC 1 operates under the following scope:

> *Development of standards related to Terminology and symbols within the scope of ISO/TC 69:*
>
> > *Standardization in the application of statistical methods, including generation, collection (planning and design), analysis, presentation and interpretation of data.*
>
> *Note: ISO Council, by Council Resolution 12/1959 and Council Resolution 26/1961 has entrusted ISO/TC 69 with the function of advisor to all ISO technical committees in matters concerning the application of statistical methods in standardization.*

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 69/SC 1. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

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

If no U.S. organization steps forward to assume the ISO/TC 69/SC 1 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by November 13, 2017, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

Information concerning the United States retaining the role of international Secretariat may be obtained by contacting ANSI's ISO Team (isot@ansi.org).

Information Concerning

International Electrotechnical Commission (IEC)

TAG Administrator Needed – USTAGs to TC 77, SC 77A, SC 77B, SC 77C, CISPR, CISPR B, CISPR F, CISPR H, and CISPR I

Response Deadline: November 15, 2017

US EMC Standards Corporation is relinquishing its role as TAG Administrator for the above listed USTAGs effective immediately. The USNC is looking for (a) new organization(s) to take on these TAG Administratorships.

**Please note, NEMA has expressed official interest in taking on the TAG Administrator roles for all the above listed committees.*

Scopes/Titles:

- ***TC 77: Electromagnetic compatibility***
  Standardization - to prepare standards and technical reports in the field of electromagnetic compatibility (EMC), with particular emphasis on general application and use by product committees. (Horizontal function). The scope covers the following aspects of EMC:

  - Immunity and related items, over the whole frequency range: basic and generic standards,
  - emission in the low frequency range (f <= 9 kHz, e.g. harmonics and voltage fluctuations): basic, generic and product (family) standards,
  - emission in the high frequency range (f > 9 kHz): disturbances not covered by CISPR 10 (1992), in co-ordination with CISPR (e.g. mains signaling).

  Product immunity standards are not included. However, at the request of product committees, TC 77 may also prepare such standards under the co-ordination of ACEC. Horizontal Safety Function:

  - Electromagnetic compatibility in so far as safety aspects are involved

- ***TC 77 Subcommittees:***
  - **SC 77A** – *EMC – Low frequency phenomena*
  - **SC 77B** – *High frequency phenomena*
  - **SC 77C** – *High power transient phenomena*

- ***CISPR: International special committee on radio interference:***
  Standardization in the field of electromagnetic compatibility (EMC) including:

  - Protection of radio reception in the range 9 kHz to 400 GHz from interference caused by operation of electrical or electronic appliances and systems in the electromagnetic environment.
  - Measurement instrumentation, facilities, methods and statistical analysis for the measurement of disturbance.
  - Limits for radio disturbances caused by electrical or electronic appliances and systems.
  - Requirements for the immunity of electrical appliances, multimedia equipment, information technology equipment and sound and television broadcast receiving installations from interference.
  - Liaison with IEC Technical Committees that maintain basic standards that apply the prescriptions of methods of measurement of such immunity. Test levels for such immunity tests will be set by CISPR in relevant product standards.
  - The consideration jointly with other IEC and ISO committees of the emission and immunity requirements for devices and products where their standards cover EMC requirements which do not match to the respective requirements in CISPR standards.
  - Taking into account the impact of safety issues on disturbance suppression and immunity of electrical equipment.

  For further information about CISPR standards see the CISPR Guide.

- ***CISPR Subcommittees***:
  - **CISPR B** – *Interference relating to industrial, scientific and medical radio-frequency apparatus, to other (heavy) industrial equipment, to overhead power lines, to high voltage equipment and to electric traction*
  - ***CISPR F*** *– Interference relating to household appliances tools, lighting equipment and similar apparatus*
  - ***CISPR H*** *– Limits for the protection of radio services*
  - ***CISPR I*** *– Electromagnetic compatibility of information technology equipment, multimedia equipment and receivers*

If any other organizations are interested in the position of TAG Administrator, they are invited to contact Kendall Szulewski-Francis, USNC Program Administrator, by **15 NOVEMBER 2017** using the contact information provided below.

Kendall Szulewski-Francis
Phone: 212-642-4965
E-mail: ksfrancis@ansi.org

BSR/ASHRAE Addendum h to
ANSI/ASHRAE Standard 34-2016

First Public Review Draft

Proposed Addendum h to Standard 34-2016, Designation and Safety Classification of Refrigerants

First Public Review (November 2017)
(Draft shows Proposed Changes to Current Standard)

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

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

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

BSR/ASHRAE Addendum h to ANSI/ASHRAE Standard 34-2016, *Designation and Safety Classification of Refrigerants*

First Public Review Draft

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

FOREWORD

This addendum removes the application fee requirement from paragraph 9.1.2.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum h to 34-2016

9.1.2 Fee. ~~There is an application fee. In addition,~~ ~~t~~The applicant is required to pay for the cost of distributing copies of the application to members of SSPC 34. Please contact the ASHRAE Senior Manager of Standards for more information.

BSR/ASHRAE Addendum i to
ANSI/ASHRAE Standard 34-2016

First Public Review Draft

Proposed Addendum i to Standard 34-2016, Designation and Safety Classification of Refrigerants

First Public Review (November 2017)
(Draft shows Proposed Changes to Current Standard)

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FOREWORD

This addendum adds the zeotropic refrigerant blend R-463A in Table 4-2 and Table D-2.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum i to 34-2016

Add the following underlined data to Table 4-2 and Table D-2 in the columns indicated.

TABLE 4-2 Data and Safety Classifications for Refrigerant Blends
Refrigerant Number = 463A
Composition (Mass %) = R-744/32/125/1234yf/134a (6.0 / 36.0 / 30.0 / 14.0 / 14.0)
Composition tolerances = +2.0, -1.0 / ± 2.0 / ± 2.0 / ± 2.0 / ± 2.0
OEL = 990
Safety Group = A1
RCL = 98,000 ppm v/v; 19 lb/Mcf; 300 g/m3
Highly Toxic or Toxic Under Code Classification = Neither

TABLE D-2 Data for Refrigerant Blends
Refrigerant Number = 463A
Composition (Mass %) = R-744/32/125/1234yf/134a (6.0 / 36.0 / 30.0 / 14.0 / 14.0)
Average Molecular Mass = 74.7 g/mol
Bubble Point (°F) = -73.1
Dew Point (°F)= -52.4
Bubble Point (°C)= -58.4
Dew Point (°C)= -46.9

BSR/ASHRAE Addendum j to
ANSI/ASHRAE Standard 34-2016

First Public Review Draft

Proposed Addendum j to Standard 34-2016, Designation and Safety Classification of Refrigerants

First Public Review (November 2017)
(Draft shows Proposed Changes to Current Standard)

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FOREWORD

This addendum adds the zeotropic refrigerant blend R-460C in Table 4-2 and Table D-2.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum j to 34-2016

Add the following underlined data to Table 4-2 and Table D-2 in the columns indicated.

TABLE 4-2 Data and Safety Classifications for Refrigerant Blends
Refrigerant Number = 460C
Composition (Mass %) = R-32 / 125 / 134a / 1234ze(E) (2.5 / 2.5 / 46.0 / 49.0)
Composition tolerances = ± 0.5 / ± 0.5 / ± 1.0 / ± 1.0
OEL = 900
Safety Group = A1
RCL = 73,000 ppm v/v; 20.0 lb/Mcf; 310 g/m3
Highly Toxic or Toxic Under Code Classification = Neither

TABLE D-2 Data for Refrigerant Blends
Refrigerant Number = 460C
Composition (Mass %) = R-32 / 125 / 134a / 1234ze(E) (2.5 / 2.5 / 46.0 / 49.0)
Average Molecular Mass = 105.3 g/mol
Bubble Point (°F) = -20.6
Dew Point (°F)= -14.8
Bubble Point (°C)= -29.2
Dew Point (°C)= -26.0

BSR/ASHRAE Addendum k to
ANSI/ASHRAE Standard 34-2016

First Public Review Draft

Proposed Addendum k to Standard 34-2016, Designation and Safety Classification of Refrigerants

First Public Review (November 2017)
(Draft shows Proposed Changes to Current Standard)

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FOREWORD

This addendum adds the zeotropic refrigerant blend R-464A in Table 4-2 and Table D-2.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum k to 34-2016

Add the following underlined data to Table 4-2 and Table D-2 in the columns indicated.

TABLE 4-2 Data and Safety Classifications for Refrigerant Blends
Refrigerant Number = 464A
Composition (Mass %) = R-32 / 125 / 1234ze(E) / 227ea (27.0 / 27.0 / 40.0 / 6.0)
Composition tolerances = ± 1.0 / ± 1.0 / ± 1.0 / ± 0.5
OEL = 930
Safety Group = A1
RCL = 120,000 ppm v/v; 27 lb/Mcf; 430 g/m3
Highly Toxic or Toxic Under Code Classification = Neither

TABLE D-2 Data for Refrigerant Blends
Refrigerant Number = 464A
Composition (Mass %) = R-32 / 125 / 1234ze(E) / 227ea (27.0 / 27.0 / 40.0 / 6.0)
Average Molecular Mass = 88.5 g/mol
Bubble Point (°F) = -51.7
Dew Point (°F)= -34.4
Bubble Point (°C)= -46.5
Dew Point (°C)= -36.9

BSR/ASHRAE Addendum l to
ANSI/ASHRAE Standard 34-2016

First Public Review Draft

Proposed Addendum l to Standard 34-2016, Designation and Safety Classification of Refrigerants

First Public Review (November 2017)
(Draft shows Proposed Changes to Current Standard)

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

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FOREWORD

This addendum adds the zeotropic refrigerant blend R- 407I in Table 4-2 and Table D-2.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum l to 34-2016

Add the following underlined data to Table 4-2 and Table D-2 in the columns indicated.

TABLE 4-2 Data and Safety Classifications for Refrigerant Blends
Refrigerant Number = R- 407I
Composition (Mass %) = R-32 / 125 / 134a (19.5 / 8.5 / 72.0)
Composition tolerances = +1.0, -2.0 / +2.0, -1.0 / ± 2.0
OEL = 1000
Safety Group = A1
RCL = 71,100 ppm v/v; 16 lb/Mcf; 250 g/m3
Highly Toxic or Toxic Under Code Classification = Neither

TABLE D-2 Data for Refrigerant Blends
Refrigerant Number = R- 407I
Composition (Mass %) = R-32 / 125 / 134a (19.5 / 8.5 / 72.0)
Average Molecular Mass = 86.9 g/mol
Bubble Point (°F) = -39.6
Dew Point (°F)= -27.4
Bubble Point (°C)= -39.8
Dew Point (°C)= -33.0

BSR/ASHRAE Addendum m to
ANSI/ASHRAE Standard 34-2016

First Public Review Draft

Proposed Addendum m to Standard 34-2016, Designation and Safety Classification of Refrigerants

First Public Review (November 2017)
(Draft shows Proposed Changes to Current Standard)

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

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

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FOREWORD

This addendum adds the zeotropic refrigerant blend R- 465A in Table 4-2 and Table D-2.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum m to 34-2016

Add the following underlined data to Table 4-2 and Table D-2 in the columns indicated.

TABLE 4-2 Data and Safety Classifications for Refrigerant Blends
Refrigerant Number = R- 465A
Composition (Mass %) = R-32 / 290 / 1234yf (21.0 / 7.9 / 71.1)
Composition tolerances = +0.5, -1.5 / +0.1, -0.9 / ± 1.0
OEL = 660
Safety Group = A2
RCL = 12,000 ppm v/v; 2.5 lb/Mcf; 40 g/m3
Highly Toxic or Toxic Under Code Classification = Neither

TABLE D-2 Data for Refrigerant Blends
Refrigerant Number = R- 465A
Composition (Mass %) = R-32 / 290 / 1234yf (21.0 / 7.9 / 71.1)
Average Molecular Mass = 83.0 g/mol
Bubble Point (°F) = -61.2
Dew Point (°F)= -40.0
Bubble Point (°C)= -51.8
Dew Point (°C)= -40.0

BSR/ASHRAE Addendum n to
ANSI/ASHRAE Standard 34-2016

First Public Review Draft

Proposed Addendum n to Standard 34-2016, Designation and Safety Classification of Refrigerants

First Public Review (November 2017)
(Draft shows Proposed Changes to Current Standard)

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BSR/ASHRAE Addendum n to ANSI/ASHRAE Standard 34-2016, *Designation and Safety Classification of Refrigerants*

First Public Review Draft

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FOREWORD

This addendum makes several changes with the purposes of aligning the toxicity classification procedure to be based on the nominal formulation of the blend.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum n to 34-2016

6.1.3 Flammability Classification. Refrigerants shall be assigned to one of three classes (1, 2, or 3) and one optional subclass (2L) based on lower flammability limit testing, heat of combustion, and the optional burning velocity measurement. Flammability tests shall be conducted in accordance with ASTM E681, *Standard Test Method for Concentration Limits of Flammability of Chemicals (Vapors and Gases)*[7] using a spark ignition source. Testing of all halocarbon refrigerants shall be in accordance with the Annex of ASTM E681. Single-compound refrigerants shall be assigned a single flammability classification. ~~Refrigerant blends shall be assigned flammability classifications as specified in Section 6.1.5.~~ Refrigerant ~~B~~blends shall be assigned a flammability classification based on their WCF and WCFF, as determined from a fractionation analysis (see Normative Appendix B, Section B2). A fractionation analysis for flammability is not required if the components of the blend are all in one class; the blend shall be assigned the same class (see Table 6.1.3).

6.1.5 Safety Classification of Refrigerant Blends. Blends, whether zeotropic or azeotropic, ~~whose flammability and/or toxicity characteristics may change as the composition changes during fractionation,~~ shall be assigned a safety group classification based on ~~the worst case of fractionation~~ composition requirements of Sections 6.1.2 and 6.1.3 of this Standard. This safety classification shall be determined according to the same criteria as that for a single-compound refrigerant.

~~For flammability, worst case of fractionation is defined as the composition during fractionation that results in the highest concentration of the flammable components in the vapor or liquid phase. For toxicity, worst case of fractionation is defined as the composition during fractionation that results in the highest concentration of the components in the vapor or liquid phase for which the TLV-TWA is less than 400 ppm by volume. The TLV-TWA for a specific blend composition shall be calculated from the TLV-TWA of the individual components.~~

6.1.5.1 Toxicity Classification. The chronic toxicity classification of a refrigerant blend is based on the *nominal formulation*. The OEL of mixtures upon which the safety classification is based shall be calculated from the TLVs or WEELs of the individual components following ACGIH guidelines[4].

6.1.5.2 Flammability Classification. Blends shall be assigned a flammability classification based on the requirements in section 6.1.3.

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

NSF/ANSI Standard
for Drinking Water Treatment Units —

Glossary of drinking water treatment unit terminology

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3 Definitions

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3.x cyanotoxins Intracellular toxins produced by actively growing freshwater cyanobacterial blooms and are released into the surrounding water as dissolved toxins primarily through cell death and lysis.

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3.x microcystins A class of cyanotoxins produced by certain freshwater cyanobacteria that consist of over 100 different variants, or congeners, that share a common structure, but have chemical variations that affect their toxicity and may affect their ability to be removed by filtration technologies. Microcystin LR is the most studied and highly toxic form of microcystin to date and is used as the benchmark microcystin in establishing the recommended drinking water limits as well as reduction performance under NSF/ANSI 53.

Reason: Adding definitions to address new DWTU reduction claim for microcystins under NSF/ANSI 53.

BSR/UL 2201, Standard for Tests for Determining CO Emission Rate of Portable Generators

INTRODUCTION

1 Scope

1.1 This ~~test method~~ standard describes the testing procedures and requirements applicable in determining the carbon monoxide (CO) emission rate of a portable generator ~~in a reduced oxygen environment~~ and also testing procedures and requirements applicable in determining the shutoff capability of a portable generator in elevated carbon monoxide (CO) environments.

1.2 These requirements apply to spark-ignited engines installed in portable generators for each fuel type recommended by the manufacturer.

~~1.3 The CO emission rate is to be determined by testing with the engine installed in the generator in the configuration to be sold by the generator manufacturer in a reduced oxygen environment by using a dilution chamber.~~

2 Units of Measurement

2.1 Values stated without parentheses are the requirement. Values in parentheses are explanatory or approximate information.

3 Undated References

3.1 Any undated reference to a code or standard appearing in the requirements of this standard shall be interpreted as referring to the latest edition of that code or standard.

4 Definitions

4.1 For the purpose of this test method, the following definitions apply:

4.1.1 AIR INJECTION PORT - An inlet into the enclosed space having an opening that shall be no less than 25 in^2 (0.016 m^2) and no greater than 50 in^2 (0.032 m^2) and located on the Side Wall (C) at least 10 ft (3.05 m) from the Back Wall (B) as shown in Figure 4.1.

4.1.2 AIR OUTLET PORT - An outlet allowing air to exit from the enclosed space that has an opening that shall be no less than 50 in^2 (0.032 m^2) and no greater than 288 in^2 (0.186 m^2), located on the Back Wall (B), and positioned between the centerline of the room and the opposite wall of the air injection port as shown in Figure 4.1.

4.2 CO METER - Meter capable of measuring CO levels at 1 Hz with accuracy requirements prescribed in the Code of Federal Regulations, (CFR) 40, Part 1065.

4.2.1 EMISSION MEASUREMENT SYSTEM - A constant volume sampling (CVS) or raw gaseous emission measurement system must meet the requirements of the Code of Federal Regulations, (CFR) 40, Parts 1054 and 1065.

~~4.3 DILUTION CHAMBER - A test fixture that encloses the portable generator or engine and reduces the oxygen level of the air at the engine intake by injecting nitrogen into the volume inside the chamber, or the air intake system for the chamber. The exhaust from the engine does not accumulate in the chamber but is ducted directly out of the engine to the exterior of the chamber. The exhaust discharge can be directed to a Constant Volume Sampling (CVS) system for analysis or to an exhaust evacuation system if emission measurement via the raw gas method is used. A constant volume sampling (CVS) or raw gaseous emission measurement system must meet the requirements of the Code of Federal Regulations, (CFR) 40, Parts 1054 and 1065. The chamber shall be sized such that there is at least 12 in (305 mm) of free space on top and all sides of the generator.~~

4.3 ENCLOSED SPACE - A test room that encloses the portable generator that has an overall air volume between 900 - 1250 ft^3 (25.49 - 35.40 m^3) and that is rectangular in configuration with a general size guideline of 17 ft × 17 ft × 8 ft (5.18 m × 5.18 m × 2.44 m) as an example. The test room should include two ports that will be located on each end of the enclosed space as indicated in Figure 4.1, with the port closest to the generator acting as a forced fresh air inlet and the other port downstream of the generator exhaust acting as a natural air outlet.

4.4 LOAD BANK AND POWER METER - An AC electric resistor load bank is used to simulate steady electric loads on the generator. The load bank is capable of adjustment of ±5% of each required load condition. A power meter is used to measure the actual electrical load delivered by the generator with an accuracy of ±5%.

4.5 MAXIMUM AVAILABLE OBSERVED WATTAGE - The maximum output power measured in accordance with Safety and Performance of Portable Generators, ANSI/PGMA G300.

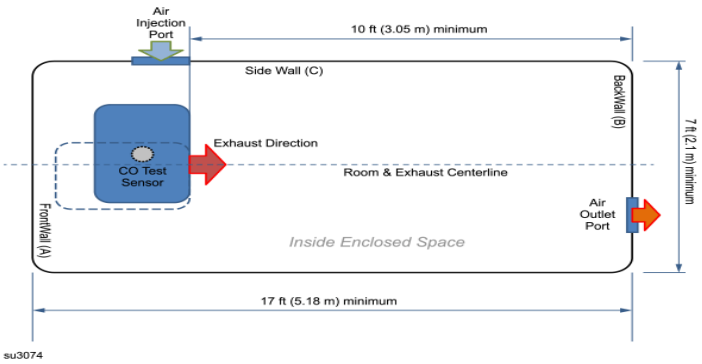
~~4.6 O_2 METER - Meter capable of measuring oxygen from 20.9 - 18.0% at 1 Hz.~~

~~4.7 POWER METER - A power meter is used to measure the actual electrical load delivered by the generator with an accuracy of ±5%.~~

4.6 PPM - Gas concentration in parts per million.

Figure 4.1

Enclosed space test room



PERFORMANCE

5 Test Method Options to Determine the ~~Modal~~ CO Emissions Rates ~~of a Portable Generator~~

5.0 General

5.0.1 The carbon monoxide (CO) emission rate of a portable generator shall be obtained using a single representative generator test assembly subjected to the tests described in Sections 5.1 or 5.2 and shall pass all criteria as described in Section 6.5.

5.0.2 The CO emission rate is to be determined by either testing with the engine installed in the generator in the configuration to be sold by the generator manufacturer in an ambient oxygen environment (approximately 20.9%) or by testing the standalone Class I or Class II engine per applicable EPA standards.

5.0.3 The shutoff capability is to be determined by testing with the engine installed in the generator in the configuration to be sold by the generator manufacturer.

5.0.4 Fuel and lubricants must meet manufacturer's specifications for the generator or engine being tested.

5.1 ~~General~~ Portable Generator Assembly CO Emissions Method - Option 1

5.1.1 The weighted CO emission rate of a portable generator is to be obtained by determining the modal CO emission rates at six discrete generator loads ~~with reduced engine intake~~ at ambient oxygen ~~between 18.0% and 18.5% oxygen by volume~~. All tests shall be performed at an ambient air temperature of 15 - 35°C (59 - 95°F). ~~For all tests, the oxygen level shall be measured near the engine intake.~~ Measure the CO emission using an emission measurement system.

~~5.1.2 Fuel and lubricants for this test must meet manufacturer's specifications for the generator or engine being tested.~~

5.1.3 Calculate the weighted CO emission rate of the generator using the following equation:

$$\dot{m}_w = 0.09 \times \dot{m}_1 + 0.20 \times \dot{m}_2 + 0.29 \times \dot{m}_3 + 0.30 \times \dot{m}_4 + 0.07 \times \dot{m}_5 + 0.05 \times \dot{m}_6$$

In which:

$\dot{m}_w$ = Weighted CO Emission Rate, gram per hour (g/h)
$\dot{m}_1$ = CO Emission Rate at mode 1 (g/h)
$\dot{m}_2$ = CO Emission Rate at mode 2 (g/h)
$\dot{m}_3$ = CO Emission Rate at mode 3 (g/h)
$\dot{m}_4$ = CO Emission Rate at mode 4 (g/h)
$\dot{m}_5$ = CO Emission Rate at mode 5 (g/h)
$\dot{m}_6$ = CO Emission Rate at mode 6 (g/h)

5.1.4 The modal CO emission rate is to be measured using an emission measurement system and is to be determined at six loads as described in 5.1.6 - 5.1.8 using calculations consistent with those provided in accordance with the Code of Federal Regulations, (CFR) 40, Part 1065. When each modal result is completed, the weighted CO emission rate shall be determined in accordance with 5.1.3.

5.1.5 At an ambient air temperature of 15 - 35°C (59 - 95°F), start the portable generator and warm at any speed at approximately 75% of its output power rating for 10 min.

5.1.6 With the generator still running, adjust the load bank to apply the first load listed below.

a) Generator mode 1 power: 100% of the maximum available observed wattage
b) Generator mode 2 power: 75% of the maximum available observed wattage
c) Generator mode 3 power: 50% of the maximum available observed wattage
d) Generator mode 4 power: 25% of the maximum available observed wattage
e) Generator mode 5 power: 10% of the maximum available observed wattage
f) Generator mode 6: No load applied

5.1.7 Sample emissions in accordance with the Code of Federal Regulations, (CFR) 40, Part 1065, for at least 2 min with the prescribed load applied then stop emission sampling. Record the data and then calculate the mean CO emission values for that load.

5.1.8 Repeat this test for each load indicated in 5.1.6. Note that prescribed power levels achievable for each mode may be different than the prescribed percentage of load desired depending on the power available at the test condition.

5.1.9 The calculated weighted CO emission rate of the generator should not exceed 150 g/h using the formula in 5.1.3.

5.2 ~~Calculation Procedure to Determine the Generator Weighted~~ Portable Generator Engine-Only CO Emissions ~~Rate~~ Method - Option 2

~~5.2.1 Calculate the weighted CO emission rate of the generator using the following equation:~~

$$\dot{m}_w = 0.09 \times \dot{m}_1 + 0.20 \times \dot{m}_2 + 0.29 \times \dot{m}_3 + 0.30 \times \dot{m}_4 + 0.07 \times \dot{m}_5 + 0.05 \times \dot{m}_6$$

~~In which:~~

~~ṁw = Weighted CO Emission Rate, gram per hour (g/h)~~
~~ṁ1 = CO Emission Rate at mode 1 (g/h)~~
~~ṁ2 = CO Emission Rate at mode 2 (g/h)~~
~~ṁ3 = CO Emission Rate at mode 3 (g/h)~~
~~ṁ4 = CO Emission Rate at mode 4 (g/h)~~

~~*ṁ5 = CO Emission Rate at mode 5 (g/h)*~~
~~*ṁ6 = CO Emission Rate at mode 6 (g/h)*~~

5.2.1 This method to determine the weighted CO emission rate can be used for Class I and Class II portable generator engines. The emissions rate is to be obtained in accordance with the Code of Federal Regulations, (CFR) 40, Part 1065.

5.2.2 The following formula should be used to determine the weighted CO emission values of a Class I or Class II generator engine:

Calculated weighted CO rate (g/h) = ECL × MP × LF

In which:

ECL = EPA Certification Level in (g/kWh)
MP = Max. Power as specified in EPA Application (kW)
LF = Load Factor for Class I or Class II = 0.47

5.2.3 The calculated weighted CO emission rate of the generator engine should not exceed 150 g/h using the formula in 5.2.2.

~~**6 Generator Test Procedure - Dilution Chamber**~~

~~6.1 The modal CO emission rate is to be determined at six loads as described in 6.2 - 6.7 using calculations consistent with those provided in accordance with the Code of Federal Regulations, (CFR) 40, Part 1065. When each modal result is completed, the weighted CO emission rate shall be determined in accordance with 5.2.1.~~

~~6.2 With the dilution chamber open, at an ambient air temperature of 15 - 35°C (59 - 95°F), start the portable generator and warm at any speed at approximately 75% of its output power rating for 10 min.~~

~~6.3 With the generator still running, adjust the load bank to apply the first load listed below.~~

~~a) Generator mode 1 power: 100% of the maximum available observed wattage~~

~~b) Generator mode 2 power: 75% of the maximum available observed wattage~~

~~c) Generator mode 3 power: 50% of the maximum available observed wattage~~

~~d) Generator mode 4 power: 25% of the maximum available observed wattage~~

~~e) Generator mode 5 power: 10% of the maximum available observed wattage~~

~~f) Generator mode 6: No load applied~~

~~6.4 With the dilution chamber closed, reduce oxygen steadily over a time period of at least 2 min at the engine intake by introducing the nitrogen stream into the dilution chamber until the oxygen concentration, measured with an O_2 meter at the engine intake, is between 18.0% and 18.5% by volume. The power shall be measured using a power meter. If power level prescribed cannot be achieved, determine the maximum power level available at the test point to complete the test mode. Record the power level. During the test, the CO level within the dilution chamber shall be monitored and shall not exceed 200 ppm.~~

~~6.5 While maintaining the oxygen concentration between 18.0% and 18.5% by volume, sample emissions for at least 2 min with the prescribed load applied then stop emission sampling. Measure the CO emission using a CO meter. Record the mean CO emission values for that load.~~

~~6.6 After restoring the oxygen concentration to at least 20.5% by volume, repeat this test for each load indicated in 6.3. Note that prescribed power levels achievable for each mode may be different than the prescribed percentage of load desired depending on the power available at the test condition.~~

~~6.7 If the engine shuts off or the output power is disconnected by the generator, record the CO emission rate at the lowest oxygen level that the unit can continue to operate while providing power for at least 2 min. Use that CO emission rate as the modal value in the calculations of 5.2.1. In addition, record the oxygen level where either the engine shuts off or the output power is disconnected by the generator.~~

6 Generator Assembly Enclosed Space Testing

6.1 General

6.1.1 The enclosed space shutoff capability is to be determined by testing with the engine installed in the generator in the configuration to be sold by the generator manufacturer in an enclosed space described in 4.3.

6.1.2 The same generator tested in Section 5 is to be placed near the Front Wall (A) with the exhaust port exit positioned toward the Back Wall (B) with at least 10 ft (3.05 m) of separation distance. See Figure 4.1.

6.1.3 CO sampling shall be positioned 1 ft (0.30 m) above the centerline of the top of the generator.

6.2 Enclosed Space Testing 1 - Cold Condition, Low Air Injection Rate (AIR), High Load

6.2.1 Pre-condition the test room to an initial temperature of -10 ±5°C (30.2 ±9°F).

6.2.2 The air inlet port and air outlet port are to be closed and maintained until the end of the test.

6.2.3 Start the portable generator per the operator instruction manual. With the generator still running, adjust the load bank to apply 100% of the maximum available observed wattage. The power shall be measured using a power meter.

6.2.4 At the end of the test, the generator shall meet the criteria in Section 6.5.

6.3 Enclosed Space Testing 2 - Warm Condition, Elevated Air Injection Rate (AIR), Medium Load

6.3.1 Pre-condition the test room to an initial temperature of 30 ±5°C (86 ±9°F).

6.3.2 The air inlet port and air outlet port are to be open and maintained until the end of the test.

6.3.3 Apply an Air Injection Rate (AIR) at the inlet port that establishes an initial fresh air exchange rate within the enclosed space of 5 ±0.5 changes per hour and maintain that air injection rate throughout the test.[1]

[1]It is recognized that the conditions in the enclosed space may change during the course of the testing due to starting of the generator and resulting pressure and temperature differences, but the intent is to hold the Air Injection Rate constant at the inlet port.

6.3.4 Start the portable generator per the operator instruction manual. With the generator still running, adjust the load bank to apply 50% of the maximum available observed wattage.

6.3.5 At the end of the test, the generator shall meet the criteria in Section 6.5.

6.4 Enclosed Space Testing 3 - Warm Condition, Elevated Air Injection Rate (AIR), Low Load

6.4.1 Pre-condition the test room to an initial temperature of 30 ±5°C (86 ±9°F).

6.4.2 The air inlet port and air outlet port are to be open and maintain until the end of the test.

6.4.3 Apply an Air Injection Rate (AIR) at the inlet port that establishes an initial fresh air exchange rate within the enclosed space of 5 ±0.5 changes per hour and maintain that air injection rate throughout the test.[1]

[1]It is recognized that the conditions in the enclosed space may change during the course of the testing due to starting of the generator and resulting pressure and temperature differences, but the intent is to hold the Air Injection Rate constant at the inlet port.

6.4.4 Start the portable generator per the operator instruction manual. With the generator still running, adjust the load bank to apply 10% of the maximum available observed wattage.

6.4.5 At the end of the test, the generator shall meet the criteria in Section 6.5.

6.5 Pass/Fail Criteria

6.5.1 When testing the generator per 6.2, 6.3, and 6.4, the unit shall stop producing CO emissions (shut off) when the CO meter has met the conditions listed in 6.5.2 and 6.5.3. For each test, the generator shall continue to run until it has depleted the maximum fuel supply recommended by the manufacturer (e.g., 1 full fuel tank, 1 20-lb propane tank, etc.) or has met the requirements listed in 6.5.2 and 6.5.3.

6.5.2 The generator must stop producing CO emissions (shut off) at any time when the CO meter reaches 400 ppm CO concentration upper limit.

6.5.3 Using a sample rate of 1 CO (ppm) measurement per second for a rolling 600 seconds, the sensor will average the previous 600 measurements. The sensor average should not exceed 150 ppm during the previous 600 seconds. All CO measurements are equally weighted. If the sensor average is greater than 150 ppm, the generator must stop producing CO emissions (shut off).

BSR/UL 162, Standard for Safety for Standard for Foam Equipment and Liquid Concentrates

1. Hydraulically Powered Oscillating Monitors, New 3.17A, New 3.17B, New 4.1.11, New 7A

(NEW)

3.17A MONITOR, MANUALLY OPERATED - A monitor that includes manual controls for adjusting elevation and sweep and may include manual controls for adjusting rotation.

(NEW)

3.17B MONITOR, HYDRAULICALLY POWERED OSCILLATING - A monitor that includes an integral hydraulic circuit that automatically controls the sweeping motion of the monitor over a specified angle; includes manual override controls for adjusting the sweeping motion; manual controls for adjusting elevation; and may include manual controls for adjusting rotation, sweep angle, and sweep speed.

(NEW)

4.1.11 A hydraulically powered oscillating monitor's integral hydraulic circuit, which includes parts that bear against, rotate within, or slide on stationary parts, and that must be free to move during intended operation, shall have corrosion resistance equivalent to brass, bronze, or austenitic stainless steel.

7A Hydraulically Powered Oscillating Monitor Cycling Test

(NEW)

7A.1 A hydraulically powered oscillating monitor shall withstand the effects of cycling for two hours without visible damage or a reduction in performance.

7A.2 Water or foam solution, as applicable, is to be discharged for two hours through representative hydraulically powered oscillating monitor and nozzle configurations resulting in automatic sweeping motion of the monitor. When the monitor includes adjustable sweep angles and/or sweep speeds, the two hour duration shall be equally divided amongst the combination of sweep angles and sweep speeds.

2. Update Commercial Grade Heptane Specifications, Revised 3.27

3.27 TEST FUELS –

a) HEPTANE - Commercial grade hydrocarbon having the following characteristics:

Distillation -	
Minimum initial ~~Initial~~ boiling point	190°F (88~~92~~°C)

~~50 percent~~	~~201°F (94°C)~~
Maximum dry ~~Dry~~ point	212~~208~~°F (100~~98~~°C)
Specific Gravity (60°F/60°F) (15.6°C/15.6°C)	0.67 - 0.73 ~~0.702 (not critical)~~
~~Gravity°API~~	~~70.2 (not critical)~~

BSR/UL 2034-201x, Standard for Safety for Single and Multiple Station Carbon Monoxide Alarms

1. End-of-Life Requirements

PROPOSAL

40.1.7 In addition to the requirements outlined in 40.1.6 a), b) and c), two alarms employing a replaceable battery or batteries shall be subject to the following requirements in the following order:

a) ~~The end-of-life signal on an alarm shall be reset only once, as based on the manufacturer's recommendations.~~The alarm shall be configured to signal its end of life. The alarm shall then be reset once (if the alarm is capable of resetting the end-of-life signal).

b) If powered by AC mains or DC mains (Recreational Vehicle and/or Marine Use) the primary power shall first be disconnected prior to removing and installing the replacement battery.

c) The installed battery (original) shall be replaced with a new battery.

d) The new battery shall not be replaced within 15 minutes from removing the original battery. Manufacturer must provide detailed information that outlines the minimum amount of time needed to ensure that the residual power on the alarm has been depleted.

e) After replacing the battery, the timer for the end-of-life signal shall not reset, and the timer ~~must~~shall continue from the cumulated end-of-life time which the battery was removed. ~~The timer shall not be able to be reset after 30 days from the original battery end-of-life signal.~~

f) 40.1.7 a), b) and c) shall be re-conducted but with the battery replaced one day prior to the maximum end-of-life time period. A second alarm may be used for this requirement.

BSR/UL 2075-201x, Standard for Safety for Gas and Vapor Detectors and Sensors

1. End-of-Life Requirements

17.6.3 In addition to the requirements outlined in 17.6.2 a), two detectors employing a replaceable battery or batteries shall be subject to the following requirements in the following order:

a) ~~The end-of-life signal on a detector shall be reset only once, as based on the manufacturer's recommendations.~~The alarm shall be configured to signal its end of life. The alarm shall then be reset once (if the alarm is capable of resetting the end-of-life signal).

b) If powered by AC mains or DC mains the primary power shall first be disconnect prior to removing and installing the replacement battery.

c) The installed battery (original) shall be replaced with a new battery.

d) The new battery shall not be replaced within 15 minutes from removing the original battery. Manufacturer must provide detailed information that outlines the minimum amount of time needed to ensure that the residual power on the alarm has been depleted.

e) After replacing the battery, the timer for the end-of-life signal shall not reset, and the timer ~~must~~shall continue from the cumulated end-of-life time which the battery was removed. ~~The timer shall not be able to be reset after 30 days from the original battery end-of-life signal.~~

f) Paragraphs a), b) and c) shall be re-conducted but with the battery replaced one day prior to the maximum end-of-life time period. A second detector may be used for this requirement.

Standards Action Publishing Schedule for 2018, Volume No. 49

*The "Submit End" deadline applies to forms received by Monday, 5:00 PM ET

Based on the dates below, an ANSI-Developer can anticipate that a request made between the SUBMIT START date and the *SUBMIT END 5 PM date will appear in ANSI Standards Action on the SA PUBLISHED date.
The last three columns display the 30, 45 & 60-DAY PR (Public Review) END dates

ISSUE	SUBMIT START	*SUBMIT END 5 PM	SA PUBLISHED	30-DAY PR END	45-DAY PR END	60-DAY PR END
1	12/19/2017	12/25/2017	Jan-5	2/4/2018	2/19/2018	3/6/2018
2	12/26/2017	1/1/2018	Jan-12	2/11/2018	2/26/2018	3/13/2018
3	1/2/2018	1/8/2018	Jan-19	2/18/2018	3/5/2018	3/20/2018
4	1/9/2018	1/15/2018	Jan-26	2/25/2018	3/12/2018	3/27/2018
5	1/16/2018	1/22/2018	Feb-2	3/4/2018	3/19/2018	4/3/2018
6	1/23/2018	1/29/2018	Feb-9	3/11/2018	3/26/2018	4/10/2018
7	1/30/2018	2/5/2018	Feb-16	3/18/2018	4/2/2018	4/17/2018
8	2/6/2018	2/12/2018	Feb-23	3/25/2018	4/9/2018	4/24/2018
9	2/13/2018	2/19/2018	Mar-2	4/1/2018	4/16/2018	5/1/2018
10	2/20/2018	2/26/2018	Mar-9	4/8/2018	4/23/2018	5/8/2018
11	2/27/2018	3/5/2018	Mar-16	4/15/2018	4/30/2018	5/15/2018
12	3/6/2018	3/12/2018	Mar-23	4/22/2018	5/7/2018	5/22/2018
13	3/13/2018	3/19/2018	Mar-30	4/29/2018	5/14/2018	5/29/2018
14	3/20/2018	3/26/2018	Apr-6	5/6/2018	5/21/2018	6/5/2018
15	3/27/2018	4/2/2018	Apr-13	5/13/2018	5/28/2018	6/12/2018
16	4/3/2018	4/9/2018	Apr-20	5/20/2018	6/4/2018	6/19/2018
17	4/10/2018	4/16/2018	Apr-27	5/27/2018	6/11/2018	6/26/2018
18	4/17/2018	4/23/2018	May-4	6/3/2018	6/18/2018	7/3/2018
19	4/24/2018	4/30/2018	May-11	6/10/2018	6/25/2018	7/10/2018
20	5/1/2018	5/7/2018	May-18	6/17/2018	7/2/2018	7/17/2018
21	5/8/2018	5/14/2018	May-25	6/24/2018	7/9/2018	7/24/2018
22	5/15/2018	5/21/2018	Jun-1	7/1/2018	7/16/2018	7/31/2018
23	5/22/2018	5/28/2018	Jun-8	7/8/2018	7/23/2018	8/7/2018
24	5/29/2018	6/4/2018	Jun-15	7/15/2018	7/30/2018	8/14/2018
25	6/5/2018	6/11/2018	Jun-22	7/22/2018	8/6/2018	8/21/2018
26	6/12/2018	6/18/2018	Jun-29	7/29/2018	8/13/2018	8/28/2018
27	6/19/2018	6/25/2018	Jul-6	8/5/2018	8/20/2018	9/4/2018
28	6/26/2018	7/2/2018	Jul-13	8/12/2018	8/27/2018	9/11/2018
29	7/3/2018	7/9/2018	Jul-20	8/19/2018	9/3/2018	9/18/2018
30	7/10/2018	7/16/2018	Jul-27	8/26/2018	9/10/2018	9/25/2018
31	7/17/2018	7/23/2018	Aug-3	9/2/2018	9/17/2018	10/2/2018

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*The "Submit End" deadline applies to forms received by Monday, 5:00 PM ET

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ISSUE	SUBMIT START	*SUBMIT END 5 PM	SA PUBLISHED	30-DAY PR END	45-DAY PR END	60-DAY PR END
32	7/24/2018	7/30/2018	Aug-10	9/9/2018	9/24/2018	10/9/2018
33	7/31/2018	8/6/2018	Aug-17	9/16/2018	10/1/2018	10/16/2018
34	8/7/2018	8/13/2018	Aug-24	9/23/2018	10/8/2018	10/23/2018
35	8/14/2018	8/20/2018	Aug-31	9/30/2018	10/15/2018	10/30/2018
36	8/21/2018	8/27/2018	Sep-7	10/7/2018	10/22/2018	11/6/2018
37	8/28/2018	9/3/2018	Sep-14	10/14/2018	10/29/2018	11/13/2018
38	9/4/2018	9/10/2018	Sep-21	10/21/2018	11/5/2018	11/20/2018
39	9/11/2018	9/17/2018	Sep-28	10/28/2018	11/12/2018	11/27/2018
40	9/18/2018	9/24/2018	Oct-5	11/4/2018	11/19/2018	12/4/2018
41	9/25/2018	10/1/2018	Oct-12	11/11/2018	11/26/2018	12/11/2018
42	10/2/2018	10/8/2018	Oct-19	11/18/2018	12/3/2018	12/18/2018
43	10/9/2018	10/15/2018	Oct-26	11/25/2018	12/10/2018	12/25/2018
44	10/16/2018	10/22/2018	Nov-2	12/2/2018	12/17/2018	1/1/2019
45	10/23/2018	10/29/2018	Nov-9	12/9/2018	12/24/2018	1/8/2019
46	10/30/2018	11/5/2018	Nov-16	12/16/2018	12/31/2018	1/15/2019
47	11/6/2018	11/12/2018	Nov-23	12/23/2018	1/7/2019	1/22/2019
48	11/13/2018	11/19/2018	Nov-30	12/30/2018	1/14/2019	1/29/2019
49	11/20/2018	11/26/2018	Dec-7	1/6/2019	1/21/2019	2/5/2019
50	11/27/2018	12/3/2018	Dec-14	1/13/2019	1/28/2019	2/12/2019
51	12/4/2018	12/10/2018	Dec-21	1/20/2019	2/4/2019	2/19/2019
52	12/11/2018	12/17/2018	Dec-28	1/27/2019	2/11/2019	2/26/2019