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American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: March 22, 2020

AAMI (Association for the Advancement of Medical Instrumentation)

Addenda

BSR/AAMI ST79-2017/A.3-202X, Comprehensive guide to steam sterilization and sterility assurance in health care facilities - Amendment 3 (addenda to ANSI/AAMI ST79-2017)

Modifies content pertaining to frequency of cleaning for routine care of sterilizers for sterile processing areas in health care facilities.

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

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

BSR/AAMI ST79-2017/A.4-202X, Comprehensive guide to steam sterilization and sterility assurance in health care facilities - Amendment 4 (addenda to ANSI/AAMI ST79-2017)

Provides content addressing recording BI lot numbers in sterilizer records for sterile processing in health care facilities.

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

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

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

Addenda

BSR/ASHRAE Addendum 62.1a-202x, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2019)

At the publication of ANSI/ASHRAE Standard 62.1-2016 General Notes for Table 6.2.2.1, Note 3 was modified editorially to conform the standard to standard language requirements but that has led to confusion as to whether density adjustments are required. Addendum s to 62.1-2016 relocated the table notes into the body of the standard. This proposed addendum modifies Section 6.2.1.1.3 Air Density to clarify that air density adjustments are permitted but are not required.

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

Send comments (with optional copy to psa@ansi.org) to: Online Comment Database at <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

NSF (NSF International)

Revision

BSR/NSF 35-202x (i10r1), High Pressure Decorative Laminates for Surfacing Food Service Equipment (revision of ANSI/NSF 35-2017)

This Standard applies to high-pressure decorative laminates for use as work and nonwork surfaces of food service equipment on which direct food contact during normal preparation or holding operations is not intended, expected, or reasonable. Applications of high-pressure decorative laminates covered by this Standard include wait stations, service counters, and other counters when used in conjunction with cutting boards or other means of preventing direct food contact with the laminate.

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

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

BSR/NSF 350-202x (i46r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2019)

This Standard contains minimum requirements for onsite residential and commercial graywater treatment systems. Systems may include Graywater reuse treatment systems having a rated treatment capacity up to 5,678 L/d (1,500 gal/d); or Commercial graywater reuse treatment systems: This applies to onsite commercial reuse treatment systems that treat combined commercial facility graywater with capacities exceeding 5,678 L/d (1,500 gal/d) and commercial facility laundry water only of any capacity. Management methods and end uses appropriate for the treated effluent discharged from graywater residential and commercial treatment systems meeting this Standard are limited to subsurface discharge to the environment only.

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

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

BSR/NSF/CAN 60-202x (i85r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2019)

This Standard establishes minimum health effects requirements for the chemicals, the chemical contaminants, and the impurities that are directly added to drinking water from drinking water treatment chemicals. This Standard does not establish performance or taste and odor requirements for drinking water treatment chemicals.

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

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

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 80079-20-1-202x, Standard for Safety for Explosive Atmospheres - Part 20-1: Material Characteristics for Gas and Vapour Classification - Test Methods and Data (national adoption with modifications of ISO/IEC 80079-20-1)

This proposal provides revisions to the proposal document dated December 6, 2019 for the Adoption of ISO/IEC 80079-20-1, Explosive Atmospheres - Part 20-1: Material Characteristics for Gas and Vapour Classification - Test Methods and Data, (first edition, issued by ISO/IEC December 2017) as a new ISO/IEC-based UL standard, UL 80079-20-1, to the applicable requirements per comment received.

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

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 498A-202x, Standard for Safety for Current Taps and Adapters (revision of ANSI/UL 498A-2019)

This proposal for UL 498A covers: (1) Additional requirements for a current tap that includes either a shelf or ledge that is intended to support a product (such as a cell phone or tablet) during charging.

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

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

BSR/UL 508A-202x, Standard for Safety for Industrial Control Panels (revision of ANSI/UL 508A-2018)

The following topic for the Standard for Industrial Control Panels, UL 508A, is being recirculated: (8) Withdrawal of proposal: Sizing the feeder.

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

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

BSR/UL 558-202x, Standard for Safety for Industrial Trucks, Internal Combustion Engine-Powered (revision of ANSI/UL 558-2017)

This proposal for UL 558 covers: (1) Proposed revision to overcurrent protection requirements for Types G, D, LP, and CN to allow an alternative method of compliance.

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

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

BSR/UL 778-202x, Standard for Safety for Motor-Operated Water Pumps (revision of ANSI/UL 778-2019)

The following topic is being proposed: (1) Expansion to allow electronic media for Instructions manual.

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

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

BSR/UL 924-202x, Standard for Safety for Emergency Lighting and Power Equipment (revision of ANSI/UL 924-2018)

This proposal for UL 924 covers changes to the original proposal on 11-29-19. The topics being changed are as follows: (1) ELCDs with control functionality to independently monitor normal power status; (2) Derangement signal calibration for self-test equipment with variable output levels; (3) Supply wiring connections for PoE (Power over Ethernet) equipment; (4) Test switch accessibility; and (5) Guidance for non-Arabic character text-based exit signs.

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

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

BSR/UL 1063-202x, Standard for Machine-Tool Wires and Cable (revision of ANSI/UL 1063-2018)

(1) Topic: Clarification of oil resistance testing and marking.

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

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

BSR/UL 1641-202x, Standard for Safety for Installation and Classification of Residential Burglar Alarm Systems (revision of ANSI/UL 1641-2015)

Revisions to the following sections of ANSI/UL 1641-2015: Glossary, Overall Requirements, Foil and Fine Wire Requirements, Shunts, and General Requirements for Maintenance and Service.

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

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

BSR/UL 2443-202X, Standard for Safety for Flexible Sprinkler Hose with Fittings for Fire Protection Service (revision of ANSI/UL 2443-2018)

(1) Flexible sprinkler with pre-installed sprinklers; (2) Clarifications of test methods and requirements.

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

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Comment Deadline: April 6, 2020

ANS (American Nuclear Society)

Reaffirmation

BSR/ANS 6.6.1-2015 (R202x), Calculation and Measurement of Direct and Scattered Radiation from LWR Nuclear Power Plants (reaffirmation of ANSI/ANS 6.6.1-2015)

This standard defines calculational requirements and discusses measurement techniques for estimates of dose rates near light water reactor (LWR) nuclear power plants due to direct and scattered gamma-rays from contained sources on-site. On-site locations outside plant buildings and locations in the offsite unrestricted area are considered. The standard includes normal operation and shut-down conditions but does not address accident or normal operational transient conditions.

Single copy price: \$158.00

Obtain an electronic copy from: orders@ans.org

Order from: orders@ans.org

Send comments (with optional copy to psa@ansi.org) to: pschroeder@ans.org

ASABE (American Society of Agricultural and Biological Engineers)

New Standard

BSR/ASABE S633 MONYEAR-202x, Testing Protocol for Landscape Irrigation Soil Moisture-Based Control Technologies (new standard)

This standard defines a procedure to test a soil moisture sensor and interface device's response to changes in soil moisture conditions in a media that simulates soil. The test procedure covers soil water content (volumetric) and soil water tension (matric potential) sensors. The standard provides a method, using two different media, two water salinities, and three different water depletion levels, to determine if the sensor and associated interface device will enable/disable an irrigation event at preset or selected soil water values.

Single copy price: \$65.00 (non-members), \$44.00 (ASABE members)

Obtain an electronic copy from: walsh@asabe.org

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

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

BSR/ASAE S583.2 MONYEAR-202x, Safety for Agricultural Front End Loaders (new standard)

This standard specifies safety requirements for the design and construction of agricultural front-end loaders (front loaders) designed to be mounted on agricultural tractors, as defined in ANSI/ASAE S390.6 (ISO 12934:2013), Section 3.1. The purpose of this standard is to provide a reasonable degree of personal safety for operators and other persons during normal operation and servicing of front loaders on agricultural tractors

Single copy price: \$65.00 (non-members), \$44.00 (ASABE members)

Obtain an electronic copy from: vangilder@asabe.org

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

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

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

Revision

BSR/ASHRAE/SMACNA Standard 126-202x, Methods of Testing HVAC Air Ducts (revision of ANSI/ASHRAE/SMACNA Standard 126-2016)

This standard provides laboratory test procedures for the evaluation of HVAC air ducts.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B30.4-202X , Portal and Pedestal Cranes (revision of ANSI/ASME B30.4-2015)

Volume B30.4 includes provisions that apply to the construction, installation, operation, inspection, testing, and maintenance of electric motor or internal combustion engine-powered portal and pedestal cranes that adjust operating radius by means of a boom luffing mechanism that may be mounted on a fixed or traveling base and to any variation thereof that retains the same fundamental characteristics.

Single copy price: Free

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

Order from: Terrell Henry, ASME, Two Park Avenue, M/S 6-231, New York, NY 10016

Send comments (with optional copy to psa@ansi.org) to: Kathleen Peterson, (800) 843-2763, petersonk@asme.org

CTA (Consumer Technology Association)

Reaffirmation

BSR/CTA 2010-B-2014 (R202x), Standard Method of Measurement for Powered Subwoofers (reaffirmation of ANSI/CTA 2010-B-2014)

This standard defines a method for measuring the audio performance of subwoofers, both passive and powered.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

Order from: Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech

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

BSR/CTA 2034-A-2015 (R202x), Standard Method of Measurement for In-Home Loudspeakers (reaffirmation of ANSI/CTA 2034-A-2015)

This standard describes how to determine the frequency response, directivity and maximum output capability of a residential loudspeaker. It is intended to determine the audio performance of a loudspeaker, not the loudspeakers ability to survive a given input signal. This standard applies only to loudspeaker systems and not to raw transducers.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

Order from: Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech

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

ESTA (Entertainment Services and Technology Association)

New Standard

BSR/E1.59-202x, Entertainment Technology - Object Transform Protocol (OTP) (new standard)

This standard describes a mechanism to transfer object transform information such as position, orientation, and velocity over an IP network using a subset of the ACN protocol suite. It covers data format, data protocol, data addressing, and network management. Data transmitted is intended to coordinate visual and audio elements of a production and should not be used for safety critical applications.

Single copy price: Free

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

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

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

FM (FM Approvals)**Reaffirmation**

BSR/FM 4476-2014 (R202x), Flexible Photovoltaic Modules (reaffirmation of ANSI/FM 4476-2014)

This test standard provides a procedure for evaluating flexible photovoltaic modules for their performance in regard to fire from above the structural deck, simulated wind uplift, and susceptibility from hail storm damage.

Single copy price: \$No charge.00

Obtain an electronic copy from: josephine.mahnken@fmapprovals.com

Order from: Josephine Mahnken, (781) 255-4813, josephine.mahnken@fmapprovals.com

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

BSR/FM 4920-2014 (R202x), Filters Used in Clean Room Facilities (reaffirmation of ANSI/FM 4920-2014)

This test standard provides a procedure for evaluating Clean Room Filter ceiling assemblies which consists of the filter units, the grid suspension members, and the sealant or gasket materials for their performance in regard to fire.

Single copy price: Free

Obtain an electronic copy from: josephine.mahnken@fmapprovals.com

Order from: Josephine Mahnken, (781) 255-4813, josephine.mahnken@fmapprovals.com

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

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

BSR/ASPE/IAPMO Z1034-2015 (R202x), Test Method for Evaluating Roof Drain Performance (reaffirmation of ANSI/ASPE/IAPMO Z1034-2015)

This Standard specifies a test method to determine roof drain systems performance by measuring flow rates based on the water head and the piping configurations specified in this Standard, for drains in sizes NPS-2 to NPS-6.

Single copy price: \$70.00

Obtain an electronic copy from: <https://www.iapmo.org/standards-development/iapmo-national-standards/public-review>

Order from: George I Stefan, (909) 218-8131, standards@iapmostandards.org

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

BSR/IAPMO Z1002-2014 (R202x), Rainwater Harvesting Tanks (reaffirmation of ANSI/IAPMO Z1002-2014)

This Standard covers rainwater harvesting tanks and specifies requirements for design, materials, manufacture, performance, testing, and markings. Rainwater harvesting tanks covered by this Standard are (a) made of concrete, fiber-reinforced polyester, steel, thermoplastics, wood, or vinyl-coated polyester; (b) prefabricated or assembled at the site of final installation; (c) intended for above-ground or buried installations; (d) intended for stationary (i.e., fixed) installations only; (e) intended for indoor and outdoor applications; and (f) intended for atmospheric pressure (i.e., non-pressurized) applications only.

Single copy price: \$70.00

Obtain an electronic copy from: <https://www.iapmo.org/standards-development/iapmo-national-standards/public-review>

Order from: George I Stefan, (909) 218-8131, standards@iapmostandards.org

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

ISA (International Society of Automation)**Reaffirmation**

BSR/ISA 101.01-2015 (R202x), Human Machine Interfaces for Process Automation Systems (reaffirmation of ANSI/ISA 101.01-2015)

The standard provides a comprehensive overview of the key elements of human-machine interface for process automation systems, including menu hierarchies; screen navigation conventions; graphics and color conventions; dynamic elements; alarming conventions; security methods and electronic signature attributes; interfaces with background programming and historical databases; popup conventions; help screens and methods used to work with alarms; program object interfaces; and configuration interfaces to databases, servers, and networks.

Single copy price: \$199.00

Obtain an electronic copy from: crobinson@isa.org

Send comments (with optional copy to psa@ansi.org) to: crobinson@isa.org

ISA (International Society of Automation)

Revision

BSR/ISA 84.91.01-202x, Identification and Mechanical Integrity of Process Safety Controls, Alarms, and Interlocks in the Process Industry (revision of ANSI/ISA 84.91.01-2012)

This standard addresses the instruments that are classified as process safety safeguards by the authority having jurisdiction (typically the owner/operator or local regulatory authority), and establishes requirements for their mechanical integrity, including inspection/testing and documenting the inspection/test results. This standard is specific to process safety risk management in the process industry.

Single copy price: \$199.00

Obtain an electronic copy from: crobinson@isa.org

Send comments (with optional copy to psa@ansi.org) to: crobinson@isa.org

MSS (Manufacturers Standardization Society)

Revision

BSR/MSS SP-44-201x, Steel Pipeline Flanges (revision of ANSI/MSS SP-44-2016)

Covers pressure-temperature ratings, materials, dimensions, tolerances, marking, and testing for steel pipeline flanges. The welding neck-type flanges shall be forged steel, and the blind flanges may be made from either forged steel or from steel plate. Dimensional and tolerance requirements for NPS 10 and smaller are provided by reference to ASME B16.5. Note that SP-44 covers construction details not covered by another current standard, including P/T ratings, of products made of high-yield strength materials (e.g., for users that have flanged joints, flanged valves, and flanged fittings). This revised standard also covers two Product Specification Levels (PSL).

Single copy price: \$116.00

Obtain an electronic copy from: standards@msshq.org

Order from: Kaley Garubba, (703) 281-6613, standards@msshq.org

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

NEMA (ASC C8) (National Electrical Manufacturers Association)

Revision

BSR/ICEA P-79-561-202x, Guide for Selecting Aerial Cable Messengers and Lashing Wires (revision of ANSI/ICEA P-79-561-2008 (R2018))

This guide has been prepared to facilitate the selection of messengers and lashing wires for both field- and factory-assembled, self-supporting aerial cables.

Single copy price: \$118.00

Obtain an electronic copy from: KHALED.MASRI@NEMA.ORG

Order from: Khaled Masri, (703) 841-3278, khaled.masri@nema.org

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

NSF (NSF International)

Revision

BSR/NSF 350-202x (i47r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2019)

This Standard contains minimum requirements for onsite residential and commercial graywater treatment systems. Systems may include Graywater reuse treatment systems having a rated treatment capacity up to 5,678 L/d (1,500 gal/d); or Commercial graywater reuse treatment systems: This applies to onsite commercial reuse treatment systems that treat combined commercial facility graywater with capacities exceeding 5,678 L/d (1,500 gal/d) and commercial facility laundry water only of any capacity. Management methods and end uses appropriate for the treated effluent discharged from graywater residential and commercial treatment systems meeting this Standard are limited to subsurface discharge to the environment only.

Single copy price: Free

Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/52777/350i47r1%20-%20Language%20Cleanup%20-%20JC%20memo%20&%20ballot.pdf

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

TIA (Telecommunications Industry Association)

Addenda

BSR/TIA 568.2-D-2-202x, Balanced Twisted-Pair Telecommunications Cabling and Components Standard - Addendum 2: Power Delivery Over Balanced Twisted-Pair Cabling (addenda to ANSI/TIA 568.2-D-2018)

This document will be an addendum to TIA 568.2-D. The proposed addendum will provide normative requirements for supporting the delivery of power over installations balanced copper cabling, intended to supplement the material in TIA TSB-184-A. Requirements to include options for specific prescriptive requirements, partially engineered solutions, and completely engineered solutions which allow widely varying techniques but adhere to strict end requirements.

Single copy price: \$77.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA (standards@tiaonline.org)

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

Comment Deadline: April 21, 2020

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

ANS (American Nuclear Society)

New Standard

BSR/ANS 6.1.1-202x, Neutron and Photon Fluence-to-Dose Conversion Coefficients (new standard)

This standard presents data recommended for computing the biologically relevant dosimetric quantity in photon and neutron radiation fields. Specifically, this standard is intended for use by radiation shielding designers for the calculation of effective dose. Fit coefficients are given for evaluating whole-body effective dose per unit fluence for photons with energy between 10 keV to 10 GeV and for neutrons with energy between 0.001 eV to 10 GeV. Eight different irradiation geometries are considered. Establishing exposure limits is outside the scope of this standard.

Single copy price: \$25.00

Obtain an electronic copy from: orders@ans.org

Order from: Kathryn Murdoch, (708) 579-8268, kmurdoch@ans.org

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME A112.18.2/CSA B125.2-202x, Plumbing Waste Fittings (revision of ANSI/ASME A112.18.2/CSA B125.2-2015 (R2019))

This Standard covers plumbing waste fittings of sizes NPS-2 and smaller.

Single copy price: Free

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

Order from: <http://cstools.asme.org/publicreview>

Send comments (with optional copy to psa@ansi.org) to: Angel L. Guzman Rodriguez, <http://cstools.asme.org/publicreview>

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 969A-202x, Standard for Safety for Marking and Labeling Systems - Flag Labels, Flag Tags, Wrap-Around Labels and Related Products (new standard)

The proposed first edition of the Standard for Marking and Labeling Systems - Flag Labels, Flag Tags, Wrap-Around Labels and Related Products, ANSI/CAN/UL 969A, covers flag labels, flag tags, and wrap-around labels affixed directly to an electrical flexible cord or hose. These labels are intended to be applied by manufacturers at the location they produce their end-products.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Order from: <http://www.shopulstandards.com>

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1180-202x, Standard for Safety for Fully Inflatable Recreational Personal Flotation Devices (revision of ANSI/UL 1180-2017)

Marking and labeling revisions.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Order from: <http://www.shopulstandards.com>

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

BSR/UL 2556-202x, Standard for Safety for Wire and Cable Test Methods (revision of ANSI/UL 2556-2015)

The proposed fifth edition of the Standard for Wire and Cable Test Methods covers apparatus, test methods, and formulas to be used in carrying out the tests and calculations required by wire and cable standards.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Order from: <http://www.shopulstandards.com>

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Call for Members (ANS Consensus Bodies)

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

AAMI (Association for the Advancement of Medical Instrumentation)

Contact: Amanda Benedict
Phone (703) 253-8284
E-mail: abenedict@aami.org
Office: 901 N. Glebe Road, Suite 300
 Arlington, VA 22203

BSR/AAMI ST79-2017/A.3-202X, Comprehensive guide to steam sterilization and sterility assurance in health care facilities - Amendment 3 (addenda to ANSI/AAMI ST79-2017)

BSR/AAMI ST79-2017/A.4-202X, Comprehensive guide to steam sterilization and sterility assurance in health care facilities - Amendment 4 (addenda to ANSI/AAMI ST79-2017)

ASABE (American Society of Agricultural and Biological Engineers)

Contact: Carla VanGilder
Phone (269) 932-7015
E-mail: vangilder@asabe.org
Office: 2950 Niles Road
 Saint Joseph, MI 49085

BSR/ASAE S583.2 MONYEAR-202x, Safety for Agricultural Front End Loaders (new standard)

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

Contact: Tanisha Meyers-Lisle
Phone (678) 539-1111
E-mail: tmlisle@ashrae.org
Office: 1791 Tullie Circle NE
 Atlanta, GA 30329

BSR/ASHRAE Standard 86-202x, Methods of Testing the Floc Point of Refrigeration Grade Oils (revision and redesignation of ANSI/ASHRAE Standard 86-2013 (R2016))

BSR/ASHRAE Standard 172-202x, Method of Test for Insoluble Materials in Synthetic Lubricants and HFC Refrigerant Systems (revision of ANSI/ASHRAE Standard 172-2017)

BSR/ASHRAE/SMACNA Standard 126-202x, Methods of Testing HVAC Air Ducts (revision of ANSI/ASHRAE/SMACNA Standard 126-2016)

CTA (Consumer Technology Association)

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

BSR/CTA 709.3-1999 (R202x), Free-Topology Twisted-Pair Channel Specification (reaffirmation of ANSI/CTA 709.3-1999 (R2015))

CTA is seeking new members to join the consensus body to participate in the effort to revise CTA-709.3. CTA and the R7 Consumer Electronics Networking Committee is particularly interested in adding new members who acquire home networking products from those who create them (called "users").

BSR/CTA 709.5-2015 (R202x), Control Networking Protocol Specification - Part 5: Implementation Application Layer Guidelines (reaffirmation of ANSI/CTA 709.5-2015)

CTA is seeking new members to join the consensus body to participate in the effort to revise CTA-709.5. CTA and the R7 Consumer Electronics Networking Committee is particularly interested in adding new members who acquire home networking products from those who create them (called "users").

BSR/CTA 709.6-A-202x, Control Networking Protocol Specification - Part 6: Application Elements (revision and redesignation of ANSI/CTA 709.6-2015)

CTA is seeking new members to join the consensus body to participate in the effort to revise CTA-709.6. CTA and the R7 Consumer Electronics Networking Committee is particularly interested in adding new members who acquire home networking products from those who create them (called "users").

BSR/CTA 2010-B-2014 (R202x), Standard Method of Measurement for Powered Subwoofers (reaffirmation of ANSI/CTA 2010-B-2014)

BSR/CTA 2034-A-2015 (R202x), Standard Method of Measurement for In-Home Loudspeakers (reaffirmation of ANSI/CTA 2034-A-2015)

BSR/CTA 2042.1-C-202x, Wireless Power Glossary Terms (revision and redesignation of ANSI/CTA 2042.1-B-2015)
CTA is seeking new members to join the consensus body to participate in the effort to revise CTA 2042.1-B. CTA and the R6 Intelligent Mobility Committee is particularly interested in adding new members (called "users") who acquire portable, handheld, mobility or in-vehicle products from those who create them, and in adding new members who neither produce nor use portable, handheld, mobile or in-vehicle electronics products, such as regulators, associations, and others (called members with a "general interest").

BSR/CTA 2049-A-202x, Determination of Small Network Equipment Average Energy Consumption (revision and redesignation of ANSI/CTA 2049-2015)
CTA is seeking new members to join the consensus body to participate in the effort to revise CTA 2049. CTA and the R7 Consumer Electronics Networking Committee is particularly interested in adding new members who acquire home networking products from those who create them (called "users").

BSR/CTA 2076.1-202x, Indoor Network Navigation Systems for Intellectual and Developmental Disabilities (new standard)
CTA is seeking new members to join the consensus body to participate in the effort to create CTA 2076.1. CTA and the R6 Intelligent Mobility Committee is particularly interested in adding new members (called "users") who acquire portable, handheld, mobility or in-vehicle products from those who create them, and in adding new members who neither produce nor use portable, handheld, mobile or in-vehicle electronics products, such as regulators, associations, and others (called members with a "general interest").

BSR/CTA 2088.2-202x, Baseline Cybersecurity for Private Consumer Robotics (new standard)
CTA is seeking new members to join the consensus body to participate in the creation of CTA-2088.2. CTA and the R14 Cybersecurity and Privacy Management Committee is particularly interested in adding new members who acquire cybersecurity and privacy management products or services from those who create them (called "users"), as well as members who manufacture or implement cybersecurity and privacy management products or services (called "producers").

BSR/CTA 2098-202x, Definitions and Characteristics of Digital Therapeutics (new standard)
CTA is seeking new members to join the consensus body to participate in the effort to create CTA-2098. CTA and the R11 Health Fitness & Wellness Committee are particularly interested in adding new members (called "users" who acquire health & fitness products from those who create them) as well as those with a general interest.

IKECA (International Kitchen Exhaust Cleaning Association)

Contact: Sara Duginske
Phone (410) 417-5234
E-mail: sara@ikeca.org
Office: 2331 Rock Spring Road
 Forest Hill, MD 21050

BSR/IKECA C10-202x, Standard for the Methodology for Cleaning Commercial Kitchen Exhaust Systems (revision of ANSI/IKECA C10-2016)

ISA (International Society of Automation)

Contact: Charles Robinson
Phone (919) 990-9213
E-mail: crobinson@isa.org
Office: 67 Alexander Drive
 Research Triangle Park, NC 27709

BSR/ISA 84.91.01-202x, Identification and Mechanical Integrity of Process Safety Controls, Alarms, and Interlocks in the Process Industry (revision of ANSI/ISA 84.91.01-2012)

BSR/ISA 101.01-2015 (R202x), Human Machine Interfaces for Process Automation Systems (reaffirmation of ANSI/ISA 101.01-2015)

NSF (NSF International)

Contact: Allan Rose
Phone (734) 827-3817
E-mail: arose@nsf.org
Office: 789 N. Dixboro Road
 Ann Arbor, MI 48105-9723

BSR/NSF 35-202x (i10r1), High Pressure Decorative Laminates for Surfacing Food Service Equipment (revision of ANSI/NSF 35-2017)

Contact: Jason Snider
Phone (734) 418-6660
E-mail: jsnider@nsf.org
Office: 789 N. Dixboro Road
 Ann Arbor, MI 48105-9723

BSR/NSF 350-202x (i46r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2019)

BSR/NSF 350-202x (i47r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2019)

Contact: Monica Leslie
Phone (734) 827-5643
E-mail: mleslie@nsf.org
Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723

BSR/NSF/CAN 60-202x (i85r1), Drinking Water Treatment
Chemicals - Health Effects (revision of ANSI/NSF/CAN 60
-2019)

SDI (ASC A250) (Steel Door Institute)

Contact: Linda Hamill
Phone (440) 899-0010
E-mail: leh@wherryassoc.com
Office: 30200 Detroit Road
Westlake, OH 44145

BSR A250.6-202x, Recommended Practice for Hardware
Reinforcing on Standard Steel Doors and Frames (revision of
ANSI A250.6-2015)

TIA (Telecommunications Industry Association)

Contact: Teesha Jenkins
Phone (703) 907-7706
E-mail: standards@tiaonline.org
Office: 1320 North Courthouse Road
Suite 200
Arlington, VA 22201

BSR/TIA 568.2-D-2-202x, Balanced Twisted-Pair
Telecommunications Cabling and Components Standard -
Addendum 2: Power Delivery Over Balanced Twisted-Pair
Cabling (addenda to ANSI/TIA 568.2-D-2018)

BSR/TIA 568.6-202x, Single Pair Multi-Drop (SPMD) cabling and
component specifications (new standard)

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

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

- General Interest
- Government
- Producer
- User

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

Final Actions on American National Standards

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

AGMA (American Gear Manufacturers Association)

Revision

ANSI/AGMA 6006-BXX-2020, Standard for Design and Specifications of Gearboxes for Wind Turbines (revision of ANSI/AGMA/AWEA 6006-A03-2004 (R2016)): 2/11/2020

API (American Petroleum Institute)

New National Adoption

ANSI/API RP 13M-6/ISO 13503-6-2020, Recommended Practice for Measuring Leakoff of Completion Fluids Under Dynamic Conditions - 1st Edition-2016 (national adoption with modifications of ISO 13503-6:2012): 2/11/2020

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

Addenda

ANSI/ASHRAE Addendum 62.1p-2020, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2016): 2/6/2020

ANSI/ASHRAE Addendum a to ANSI/ASHRAE Standard 15-2019-2020, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2019): 2/6/2020

ANSI/ASHRAE Addendum b to ANSI/ASHRAE Standard 15-2019-2020, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2019): 2/6/2020

ANSI/ASHRAE Addendum g to ANSI/ASHRAE Standard 34-2019-2020, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2019): 2/6/2020

ANSI/ASHRAE/ICC/USGBC/IES Addendum aj to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017): 2/6/2020

ANSI/ASHRAE/ICC/USGBC/IES Addendum ao to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017): 2/6/2020

ANSI/ASRHAE/ICC/USGBC/IES Addendum ac to ANSI/ASRHAE/ICC/USGBC/IES Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017): 2/6/2020

ANSI/ASRHAE/ICC/USGBC/IES Addendum ae to ANSI/ASRHAE/ICC/USGBC/IES Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017): 2/6/2020

ANSI/ASRHAE/ICC/USGBC/IES Addendum ai to ANSI/ASRHAE/ICC/USGBC/IES Standard 189.1-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017): 2/6/2020

Reaffirmation

ANSI/ASHRAE/NEMA Standard 201-2016 (R2020), Facility Smart Grid Information Model (reaffirmation of ANSI/ASHRAE/NEMA Standard 201-2016): 2/10/2020

AWWA (American Water Works Association)

Revision

ANSI/AWWA B406-2020, Ferric Sulfate (revision of ANSI/AWWA B406-2014): 2/11/2020

ANSI/AWWA B452-2020, EPI-DMA Polyamines (revision of ANSI/AWWA B452-2014): 2/11/2020

Project Initiation Notification System (PINS)

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

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

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

APTech (ASC CGATS) (Association for Print Technologies)

Contact: Jeff Linder, (703) 264-7220, jlinder@aptech.org
1896 Preston White Drive, Reston, VA 20191

Revision

BSR IT8.7/1-202x, Graphic Technology Color Transmission Target for Input Scanner Calibration (revision of ANSI IT8.7/1-1993 (R2013))

Stakeholders: Prepress segment of the graphic arts industry.

Project Need: Revision needed to update the document with XML file format option as an alternative to ASCII file format.

Describes the layout and colorimetric values of a target that can be manufactured on any positive color transparency film and which is intended for use in the calibration of a photographic film scanner combination (as used in the preparatory process for printing and publishing).

BSR IT8.7/2-202x, Graphic Technology - Color Reflection Target for Input Scanner Calibration (revision of ANSI IT8.7/2-1993 (R2013))

Stakeholders: Prepress segment of the graphic arts industry.

Project Need: Revision needed to update the document with XML file format option as an alternative to ASCII file format.

Describes the layout and colorimetric values of a target that can be manufactured on any color photographic paper and which is intended for use in the calibration of a photographic paper/scanner combination (as used in the preparatory process for printing and publishing).

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

Contact: Tanisha Meyers-Lisle, (678) 539-1111, tmlisle@ashrae.org
1791 Tullie Circle NE, Atlanta, GA 30329

Revision

BSR/ASHRAE Standard 86-202x, Methods of Testing the Floc Point of Refrigeration Grade Oils (revision and redesignation of ANSI/ASHRAE Standard 86-2013 (R2016))

Stakeholders: Lubricant manufacturers, compressor manufacturers, and system manufacturers.

Project Need: The standard will be updated to use mandatory language.

This standard provides a method for measuring the waxing tendency of refrigeration-grade oils.

BSR/ASHRAE Standard 172-202x, Method of Test for Insoluble Materials in Synthetic Lubricants and HFC Refrigerant Systems (revision of ANSI/ASHRAE Standard 172-2017)

Stakeholders: Consumers.

Project Need: Revision to the standard to include the use of mandatory language.

The purpose of this standard is to define a test method to determine the formation of insoluble materials in synthetic lubricants and hydrofluorocarbon (HFC) systems.

ASME (American Society of Mechanical Engineers)

Contact: Terrell Henry, (212) 591-8489, ansibox@asme.org
Two Park Avenue, M/S 6-2B, New York, NY 10016-5990

New Standard

BSR/ASME V&V 40.WG5.1-202X, Examples of Certification by Simulation for Medical Device Evaluation (new standard)

Stakeholders: Designers, general interest, laboratory, producers/manufacturers, regulatory/government, consultants, and users.

Project Need: A medical device manufacturer needs to provide evidence that demonstrates a reasonable assurance of safety and effectiveness for a medical device to enter the market in the U.S. The evidence may come from animal studies, bench testing, computation models, and clinical trials. Traditionally, much of the supporting evidence before a device enters a clinical trial comes from bench-top testing or certification. The industry would like to rely more on evidence from computational modeling and simulation. Because there are few, if any, public examples on certification by simulation for medical devices, this guidance document will demonstrate what the regulatory-grade verification and validation evidence collection entails and showcase that in a mock submission to the FDA.

The standard is going to contain two examples of a computational version of a bench testing: (1) solid mechanics and fatigue predictions and (2) fluid dynamics and clot trapping. The standard will include content regarding the model development, model verification and validation, and application of the model to the context of use for both examples.

CTA (Consumer Technology Association)

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

New Standard

BSR/CTA 2076.1-202x, Indoor Network Navigation Systems for Intellectual and Developmental Disabilities (new standard)

Stakeholders: Consumers, manufacturers, and retailers.

Project Need: To specify requirements for the design of inclusive audio-based network navigation systems (IABNNS) for those with intellectual and developmental disabilities.

This standard builds upon the work in ANSI/CTA 2076 to specify requirements for the design of inclusive audio-based network navigation systems (IABNNS) for those with intellectual and developmental disabilities. This standard helps design professionals achieve an inclusive environment through IABNNSs that augment the physical environment by the provision of visual, haptic, and audio-based information about environments for users.

BSR/CTA 2088.2-202x, Baseline Cybersecurity for Private Consumer Robotics (new standard)

Stakeholders: Consumers, manufacturers, and retailers.

Project Need: To build upon the baseline cybersecurity requirements in CTA 2088 to address the cybersecurity requirements and recommendations relevant to the unique capabilities, uses, and applications of Private Consumer Robotics.

This standard will build upon the baseline cybersecurity requirements in CTA 2088 to address the cybersecurity requirements and recommendations relevant to the unique capabilities, uses, and applications of Private Consumer Robotics.

BSR/CTA 2098-202x, Definitions and Characteristics of Digital Therapeutics (new standard)

Stakeholders: Consumers, manufacturers, and retailers.

Project Need: To define terms and levels of applications for digital therapeutics technologies.

This document will define terms and levels of applications for digital therapeutics technologies.

Reaffirmation

BSR/CTA 709.3-1999 (R202x), Free-Topology Twisted-Pair Channel Specification (reaffirmation of ANSI/CTA 709.3-1999 (R2015))

Stakeholders: Consumers, manufacturers.

Project Need: To reaffirm ANSI/CTA 709.3.

This document specifies the CTA 709.3 free-topology twisted-pair channel and serves as a companion document to the CTA 709.1 Control Network Protocol Specification. The channel supports communication at 78.125 kbps between multiple nodes, each of which consists of a transceiver, a protocol processor, and application processor, a power supply, and application electronics. Seeking users of control networking systems.

BSR/CTA 709.5-2015 (R202x), Control Networking Protocol Specification - Part 5: Implementation Application Layer Guidelines (reaffirmation of ANSI/CTA 709.5-2015)

Stakeholders: Consumers, manufacturers, retailers, utility and service providers.

Project Need: To reaffirm ANSI/CTA 709.5.

This specification contains the information necessary to facilitate the exchange of data and control information in an interoperable fashion using ANSI/CTA 709.1 and its associated data-transport media specifications. It establishes a minimal set of rules for compliance and allows for extended services to be provided, given that the rules are adhered-to within the system. Seeking users of control networking systems.

Revision

BSR/CTA 709.6-A-202x, Control Networking Protocol Specification - Part 6: Application Elements (revision and redesignation of ANSI/CTA 709.6-2015)

Stakeholders: Consumers, manufacturers, service providers.

Project Need: To revise ANSI/CTA 709.6.

This Standard provides mechanisms through which various vendors of control networking systems may exchange information in a standardized way. This document contains all the information necessary to read and interpret the format of data and control information that is used by ANSI/CTA 709.5. It also defines the device interface for a device as specified, which is necessary to exchange data between various devices from different manufacturers. Seeking users of control networking systems.

BSR/CTA 2042.1-C-202x, Wireless Power Glossary Terms (revision and redesignation of ANSI/CTA 2042.1-B-2015)

Stakeholders: Consumers, manufacturers, and retailers.

Project Need: To revise ANSI/CTA 2042.1 to correct several errors and to better align with IEC 63006.

This document specifies terms and definitions for wireless power.

BSR/CTA 2049-A-202x, Determination of Small Network Equipment Average Energy Consumption (revision and redesignation of ANSI/CTA 2049-2015)

Stakeholders: Consumers, manufacturers, retailers, utility and service providers.

Project Need: To revise ANSI/CTA 2049.

This standard defines a method for measuring Small Network Equipment (SNE) energy consumption and related items. Seeking users and producers of small network equipment.

FM (FM Approvals)

Contact: Josephine Mahnken, (781) 255-4813, josephine.mahnken@fmaprovals.com
1151 Boston-Providence Turnpike, Norwood, MA 02062

Revision

BSR/FM 4478-202x, Rigid Photovoltaic Modules (revision of ANSI/FM 4478-2014)

Stakeholders: Building code officials, manufacturers, architects, consultants, loss consultants.

Project Need: This test standard provides a procedure for evaluating rigid photovoltaic modules for their performance in regard to fire from above the structural deck, simulated wind uplift, and susceptibility from hail storm damage.

The following updates are proposed: additional tests for electrical performance, electrical safety and gravity load resistance.

IKECA (International Kitchen Exhaust Cleaning Association)

Contact: Sara Duginske, (410) 417-5234, sara@ikeca.org
2331 Rock Spring Road, Forest Hill, MD 21050

Revision

BSR/IKECA C10-202x, Standard for the Methodology for Cleaning Commercial Kitchen Exhaust Systems (revision of ANSI/IKECA C10-2016)

Stakeholders: The authorities having jurisdiction (AHJs), insurance underwriters, installers, maintainers, designers, inspectors, specifiers, operators, and food service establishments, and food service establishment customers are affected or shall use this standard.

Project Need: The purpose of this standard shall be to enhance public safety by reducing the potential fire safety hazards associated with commercial kitchen exhaust systems, irrespective of the type of cooking equipment used and whether used in public or private facilities. The Standard is approaching five years old and is due for a revision per IKECA Technical Standards Development Committee policies and procedures.

This standard is intended to determine the methodology for frequency and necessity for commercial kitchen exhaust system cleaning through inspection procedures, to define acceptable methods for cleaning exhaust systems and components, and to set standards for acceptable post-cleaning cleanliness. This standard applies to, but is not limited to, Type I exhaust systems as defined by NFPA 96 (see NFPA 96, A.3.3.33). This standard does not apply to residential kitchen exhaust systems, replacement air systems, fire-extinguishing systems, heating and air-conditioning systems, dryer exhaust systems, and toilet exhaust systems.

SCTE (Society of Cable Telecommunications Engineers)

Contact: Kim Cooney, (800) 542-5040, kcooney@scte.org
140 Philips Rd, Exton, PA 19341

Revision

BSR/SCTE 03-202x, Test Method for Coaxial Cable Structural Return Loss (revision of ANSI/SCTE 03-2016)

Stakeholders: Cable Telecommunications industry.

Project Need: Update current technology.

The purpose of this procedure is to provide instructions to measure cable structural return loss (SRL).

BSR/SCTE 125-202x, Hard Line Pin Connector Return Loss (revision of ANSI/SCTE 125-2018)

Stakeholders: Cable Telecommunications industry.

Project Need: Update current technology.

This document describes a procedure to measure the return loss characteristics of a single hard-line pin connector interfaced between hard line cable and a precision airline. It implements the time-domain-gating features of the network analyzers, which removes the interfaces, and far end termination from the DUT (device under test) measurement.

SDI (ASC A250) (Steel Door Institute)

Contact: Linda Hamill, (440) 899-0010, leh@wherryassoc.com
30200 Detroit Road, Westlake, OH 44145

Revision

BSR A250.6-202x, Recommended Practice for Hardware Reinforcing on Standard Steel Doors and Frames (revision of ANSI A250.6-2015)

Stakeholders: Users and prospective users of standards steel doors frames and hardware.

Project Need: Update current standard.

It is the intent of this publication to furnish users and prospective users of standard steel doors and frames with practical information regarding accepted design methods for reinforcing and recommended practices for proper field preparation for builders' hardware.

TIA (Telecommunications Industry Association)

Contact: *Teasha Jenkins, (703) 907-7706, standards@tiaonline.org*
1320 North Courthouse Road, Suite 200, Arlington, VA 22201

New Standard

BSR/TIA 568.6-202x, Single-Pair Multi-Drop (SPMD) cabling and component specifications (new standard)

Stakeholders: All users and manufacturers of telecommunications cabling systems.

Project Need: Create new standard.

This ANSI/TIA Standard for Single-Pair Multi-Drop (SPMD) cabling and component specifications will address the need to support applications that use a bus topology with multiple branches connecting communication devices. The Standard includes cabling and component specifications in support of signal transmission and power delivery to the connected devices. The Standard will address common-use case configurations, installation practices, testing, and administration. The Standard supports cabling networks for IOT/M2M devices and will incorporate input from building automation system providers interested in creating a generic flexible SPMD cabling network

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit ANSI Online at www.ansi.org/asd, select "American National Standards Maintained Under Continuous Maintenance." Questions? psa@ansi.org.

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.

AAMI

Association for the Advancement of
Medical Instrumentation

901 N. Glebe Road, Suite 300
Arlington, VA 22203
Phone: (703) 253-8284
Web: www.aami.org

AGMA

American Gear Manufacturers
Association

1001 N Fairfax Street
5th Floor
Alexandria, VA 22314-1587
Phone: (703) 684-0211
Web: www.agma.org

ANS

American Nuclear Society
555 North Kensington Avenue
La Grange Park, IL 60526
Phone: (708) 579-8268
Web: www.ans.org

API

American Petroleum Institute
200 Massachusetts Avenue NW
Washington, DC 20001
Phone: (202) 682-8286
Web: www.api.org

APTech (ASC CGATS)

Association for Print Technologies
1896 Preston White Drive
Reston, VA 20191
Phone: (703) 264-7220
Web: www.printtechnologies.org

ASABE

American Society of Agricultural and
Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
Phone: (269) 932-7027
Web: www.asabe.org

ASHRAE

American Society of Heating,
Refrigerating and Air-Conditioning
Engineers, Inc.
1791 Tullie Circle NE
Atlanta, GA 30329
Phone: (678) 539-1111
Web: www.ashrae.org

ASME

American Society of Mechanical
Engineers
Two Park Avenue
M/S 6-2B
New York, NY 10016-5990
Phone: (212) 591-8489
Web: www.asme.org

AWWA

American Water Works Association
6666 W. Quincy Ave.
Denver, CO 80235
Phone: (303) 347-6178
Web: www.awwa.org

CTA

Consumer Technology Association
1919 South Eads Street
Arlington, VA 22202
Phone: (703) 907-7697
Web: www.cta.tech

ESTA

Entertainment Services and
Technology Association
630 Ninth Avenue
Suite 609
New York, NY 10036-3748
Phone: (212) 244-1505
Web: www.esta.org

FM

FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062
Phone: (781) 255-4813
Web: www.fmglobal.com

IAPMO (Z)

International Association of Plumbing
& Mechanical Officials
4755 East Philadelphia Street
Ontario, CA 91761
Phone: (909) 218-8131
Web: <https://www.iapmostandards.org>

IKECA

International Kitchen Exhaust
Cleaning Association
2331 Rock Spring Road
Forest Hill, MD 21050
Phone: (410) 417-5234
Web: www.ikeca.org

ISA (Organization)

International Society of Automation
67 Alexander Drive
Research Triangle Park, NC 27709
Phone: (919) 990-9213
Web: www.isa.org

MSS

Manufacturers Standardization
Society
127 Park Street, NE
Vienna, VA 22180-4602
Phone: (703) 281-6613
Web: www.mss-hq.org

NEMA (ASC C8)

National Electrical Manufacturers
Association
1300 North 17th Street
Rosslyn, VA 22209
Phone: (703) 841-3278
Web: www.nema.org

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-3817
Web: www.nsf.org

SCTE

Society of Cable Telecommunications
Engineers
140 Philips Rd
Exton, PA 19341
Phone: (800) 542-5040
Web: www.scte.org

SDI (ASC A250)

Steel Door Institute
30200 Detroit Road
Westlake, OH 44145
Phone: (440) 899-0010
Web: www.wherryassocsteeldoor.org

TIA

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

UL

Underwriters Laboratories, Inc.
12 Laboratory Drive
Research Triangle Park, NC 27709
-3995
Phone: (919) 549-1851
Web: www.ul.com



ISO & IEC Draft International Standards

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

Comments

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

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

Ordering Instructions

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

ISO Standards

ADDITIVE MANUFACTURING (TC 261)

ISO/ASTM DIS 52925, Additive manufacturing processes - Laser sintering of polymer parts/laser-based powder bed fusion of polymer parts - Qualification of materials - 5/4/2020, \$71.00

AIR QUALITY (TC 146)

ISO/DIS 23431, Measurement of road tunnel air quality - 5/3/2020, \$93.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 3185, Aerospace - Bolts, normal bihexagonal head, normal shank, short or medium length MJ threads, metallic material, coated or uncoated, strength classes less than or equal to 1 100 MPa - Dimensions - 5/4/2020, \$33.00

ISO/DIS 7961, Aerospace - Bolts - Test methods - 5/4/2020, \$71.00

BUILDING CONSTRUCTION (TC 59)

ISO/DIS 23234, Buildings and civil engineering works - Security - Planning of security measures in the built environment - 5/7/2020, \$88.00

CLEANING EQUIPMENT FOR AIR AND OTHER GASES (TC 142)

ISO/DIS 16890-4, Air filters for general ventilation - Part 4: Conditioning method to determine the minimum fractional test efficiency - 5/8/2020, \$58.00

CRANES (TC 96)

ISO/DIS 11661, Mobile cranes - Presentation of rated capacity charts - 5/4/2020, \$58.00

ENERGY MANAGEMENT AND ENERGY SAVINGS (TC 301)

ISO/DIS 50009, Energy management systems - Guidance for multiple organizations implementing a common energy management system - 5/1/2020, \$88.00

FINE CERAMICS (TC 206)

ISO/DIS 21820, Fine ceramics (advanced ceramics, advanced technical ceramics) - Ultraviolet photoluminescence image test method for analyzing polytypes of boron and nitrogen doped SiC crystals - 5/4/2020, \$88.00

FOOTWEAR (TC 216)

ISO/DIS 19957, Footwear - Test methods for heels - Heel pin holding strength - 5/7/2020, \$40.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO/DIS 13373-4, Condition monitoring and diagnostics of machines - Vibration condition monitoring - Part 4: Diagnostic techniques for gas and steam turbines with fluid-film bearings - 5/4/2020, \$82.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 13142, Optics and photonics - Lasers and laser-related equipment - Cavity ring-down method for high-reflectance and high-transmittance measurements - 5/4/2020, \$67.00

ISO/DIS 8600-5, Optics and photonics - Medical endoscopes and endotherapy devices - Part 5: Determination of optical resolution of rigid endoscopes with optics - 5/1/2020, \$77.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/DIS 20344, Personal protective equipment - Test methods for footwear - 5/7/2020, \$155.00

ISO/DIS 20345, Personal protective equipment - Safety footwear - 5/7/2020, \$112.00

ISO/DIS 20346, Personal protective equipment - Protective footwear - 11/5/2022, \$102.00

ISO/DIS 20347, Personal protective equipment - Occupational footwear - 5/7/2020, \$107.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 2719/DAMd1, Determination of flash point - Pensky-Martens closed cup method - Amendment 1: Thermometers correction - 5/8/2020, \$29.00

PHOTOGRAPHY (TC 42)

ISO/DIS 18947-1, Imaging materials and prints - Abrasion resistance - Part 1: General rub testing methods - 5/9/2020, \$67.00

ISO/DIS 18947-2, Imaging materials and prints - Abrasion resistance - Part 2: Rub testing of photographic prints - 5/7/2020, \$58.00

PLASTICS (TC 61)

ISO/DIS 1628-1, Plastics - Determination of the viscosity of polymers in dilute solution using capillary viscometers - Part 1: General principles - 5/3/2020, \$67.00

QUALITY MANAGEMENT AND QUALITY ASSURANCE (TC 176)

ISO/DIS 10013, Quality management systems - Guidance for documented information - 5/7/2020, \$62.00

ISO/DIS 10017, Quality management - Guidance on statistical techniques for ISO 9001:2015 - 5/4/2020, \$93.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 6914, Rubber, vulcanized or thermoplastic - Determination of ageing characteristics by measurement of stress relaxation in tension - 5/8/2020, \$53.00

STEEL (TC 17)

ISO/DIS 16573-2, Steel - Measurement method for the evaluation of hydrogen embrittlement resistance of high strength steels - Part 2: Slow stain rate test - 5/1/2020, \$46.00

SURFACE CHEMICAL ANALYSIS (TC 201)

ISO/DIS 17862, Surface chemical analysis - Secondary ion mass spectrometry - Linearity of intensity scale in single ion counting time-of-flight mass analysers - 5/7/2020, \$88.00

TEXTILES (TC 38)

ISO/DIS 1833-3, Textiles - Quantitative chemical analysis - Part 3: Mixtures of acetate with certain other fibres (method using acetone) - 5/2/2020, \$33.00

ISO/DIS 22818, Textiles - Determination of SCCP and MCCP in textile products out of different matrices by use of GC-NCI-MS - 5/4/2020, \$62.00

ISO/DIS 1833-12, Textiles - Quantitative chemical analysis - Part 12: Mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastane fibres with certain other fibres (method using dimethylformamide) - 5/8/2020, \$33.00

ISO/DIS 1833-26, Textiles - Quantitative chemical analysis - Part 26: Mixtures of melamine and cotton or aramide fibres (method using hot formic acid) - 5/8/2020, \$33.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 8167, Resistance welding - Embossed projection welding - Projections for resistance welding - 5/4/2020, \$58.00

IEC Standards

13/1801/NP, PNW 13-1801: Electricity metering - Payment systems - Part 42: Transaction Reference Numbers (TRN), 020/5/8/

13/1802/NP, PNW 13-1802: Electricity metering equipment - General requirements, tests and test conditions - Part 41: Energy registration methods and requirements for multi-energy and multi-rate meters, 2020/4/10

18/1679/CD, IEC 60092-503 ED3: Electrical installations in ships - Part 503: Special features - AC supply systems with voltages in the range of above 1 kV up to and including 15 kV, 020/5/8/

20/1907/CD, IEC 62893-1/AMD1 ED1: Amendment 1 - Charging cables for electric vehicles for rated voltages up to and including 0,6/1 kV - Part 1: General requirements, 2020/4/10

21/1043/DTR, IEC TR 61044 ED3: Opportunity-charging of lead-acid traction batteries, 2020/4/10

21/1044/DTR, IEC TR 61431 ED2: Guide for the use of monitor systems for lead-acid traction batteries, 2020/4/10

47A/1093/CD, IEC 62228-5 ED1: Integrated circuits - EMC evaluation of transceivers - Part 5: Ethernet transceivers, 2020/4/10

57/2188/DC, Proposed revision of IEC 62351-9 ED1:2017, Power systems management and associated information exchange - Data and communications security - Part 9: Cyber security key management for power system equipment, 2020/3/27

62C/757/NP, PNW 62C-757: Security of Medical Electrical Equipment Containing High-Activity Sealed Radioactive Sources, 020/5/8/

72/1225(F)/FDIS, IEC 60730-2-9/AMD2 ED4: Amendment 2 - Automatic electrical controls - Part 2-9: Particular requirements for temperature sensing control, 020/3/6/

80/956/CD, IEC 63173-2 ED1: Maritime navigation and radiocommunication equipment and systems - Data interface - Part 2: Secure exchange and communication of S-100 based products (SECOM), 2020/4/10

82/1691/FDIS, IEC 62788-1-6/AMD1 ED1: Amendment 1 - Measurement procedures for materials used in photovoltaic modules - Part 1-6: Encapsulants - Test methods for determining the degree of cure in Ethylene-Vinyl Acetate, 2020/3/27

86A/1996/CD, IEC 60794-1-402 ED1: Optical Fibre Cables - Basic optical cable test procedures - Part 402: Lightning test method for optical aerial cables along electric power lines (OPGW, OPAC and OPAC), method H2, 020/5/8/

86A/1995/CD, IEC 60794-1-401 ED1: Optical fibre cables - Basic optical cable test procedures - Part 401: Electrical test methods - Short-circuit test (for OPGW, OPAC and OPAC), Method H1, 020/5/8/

86B/4271(F)/FDIS, IEC 61754-35 ED1: Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 35: Type LSHE connector family for harsh environments, 2020/3/20

100/3395/NP, PNW 100-3395: IEC 61966-13: Multimedia systems and Equipment - Part 13: Colour management - Measurement and evaluation of tone and colour reproduction under viewing environment, 020/5/8/

105/788/DTS, IEC TS 62282-9-102 ED1: Fuel cell technologies - Part 9-102: Product category rules for environmental product declarations of stationary fuel cell power systems and alternative systems for residential applications, 020/5/8/

121A/334(F)/CDV, IEC 60947-6-1 ED3: Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment, 020/5/1/

124/97/CD, IEC 63203-406-1 ED1: Wearable electronic devices and technologies - Part 406-1: Test method for measuring contact surface temperature of wrist worn wearable electronic devices, 020/5/8/

JTC1-SC41/142/NP, PNW TS JTC1-SC41-142: Internet of Things (IoT) - Generic Trust Anchor Application Programming Interface for Industrial IoT Devices, 020/5/8/



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 23188:2020](#), Information technology - Cloud computing - Edge computing landscape, \$185.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 23293:2020](#), Milk-based infant formula powders - Quantification of whey protein content by sodium dodecyl sulfate-capillary gel electrophoresis (SDS-CGE), \$68.00

APPLICATIONS OF STATISTICAL METHODS (TC 69)

[ISO 2859-2:2020](#), Sampling procedures for inspection by attributes - Part 2: Sampling plans indexed by limiting quality (LQ) for isolated lot inspection, \$185.00

CORROSION OF METALS AND ALLOYS (TC 156)

[ISO 22426:2020](#), Assessment of the effectiveness of cathodic protection based on coupon measurements, \$138.00

DENTISTRY (TC 106)

[ISO 22570:2020](#), Dentistry - Spoons and bone curettes, \$68.00

ESSENTIAL OILS (TC 54)

[ISO 3475:2020](#), Essential oil of aniseed (*Pimpinella anisum* L.), \$68.00

[ISO 21631:2020](#), Essential oil of clementine (*Citrus clementina* hort. ex Tanaka syn. *Citrus reticulata* Blanco x *Citrus sinensis* (L.) Osbeck), Spanish type, \$68.00

FIREWORKS (TC 264)

[ISO 22863-1:2020](#), Fireworks - Test methods for determination of specific chemical substances - Part 1: General, \$45.00

[ISO 22863-2:2020](#), Fireworks - Test methods for determination of specific chemical substances - Part 2: Hexachlorobenzene by gas chromatography, \$45.00

HOROLOGY (TC 114)

[ISO 18684:2020](#), Timekeeping instruments - Watch external parts made of hard material - General requirements and test methods, \$68.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

[ISO 15746-3:2020](#), Automation systems and integration - Integration of advanced process control and optimization capabilities for manufacturing systems - Part 3: Verification and validation, \$138.00

METALLIC AND OTHER INORGANIC COATINGS (TC 107)

[ISO 6370-2:2020](#), Vitreous and porcelain enamels - Determination of the resistance to abrasion - Part 2: Loss in mass after sub-surface abrasion, \$68.00

[ISO 8289-1:2020](#), Vitreous and porcelain enamels - Low-voltage test for detecting and locating defects - Part 1: Swab test for non-profiled surfaces, \$45.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

[ISO 12922:2020](#), Lubricants, industrial oils and related products (class L) - Family H (hydraulic systems) - Specifications for hydraulic fluids in categories HFAE, HFAS, HFB, HFC, HFDR and HFDU, \$68.00

[ISO 13739:2020](#), Petroleum products - Procedures for the transfer of bunkers to vessels, \$185.00

[ISO 21903:2020](#), Refrigerated hydrocarbon fluids - Dynamic measurement - Requirements and guidelines for the calibration and installation of flowmeters used for liquefied natural gas (LNG) and other refrigerated hydrocarbon fluids, \$185.00

PLAIN BEARINGS (TC 123)

[ISO 6281:2020](#), Plain bearings - Testing under conditions of hydrodynamic and mixed lubrication in test rigs, \$103.00

ROAD VEHICLES (TC 22)

[ISO 3584:2020](#), Road vehicles - Clevis couplings - Interchangeability, \$68.00

[ISO 8820-12:2020](#), Road vehicles - Fuse-links - Part 12: Fuse-links with tabs (blade type) Type N (sub miniature), \$68.00

[ISO 8820-13:2020](#), Road vehicles - Fuse-links - Part 13: Fuse-links with tabs (blade type) Type P (sub miniature three tabs), \$103.00

RUBBER AND RUBBER PRODUCTS (TC 45)

[ISO 7270-1:2020](#), Rubber - Analysis by pyrolytic gas-chromatographic methods - Part 1: Identification of polymers (single polymers and polymer blends), \$185.00

SECURITY (TC 292)

[ISO 22396:2020](#), Security and resilience - Community resilience - Guidelines for information exchange between organizations, \$103.00

SOLID BIOFUELS (TC 238)

[ISO 21945:2020](#), Solid biofuels - Simplified sampling method for small scale applications, \$138.00

SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

[ISO 21853:2020](#), Kite boarding - Release system - Safety requirements and test methods, \$103.00

STEEL (TC 17)

[ISO 4986:2020](#), Steel and iron castings - Magnetic particle testing, \$162.00

SUSTAINABLE DEVELOPMENT IN COMMUNITIES (TC 268)

[ISO 37156:2020](#), Smart community infrastructures - Guidelines on data exchange and sharing for smart community infrastructures, \$162.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

[ISO 4254-11/Amd1:2020](#), Agricultural machinery - Safety - Part 11: Pick-up balers - Amendment 1, \$19.00

ISO Technical Reports**FLUID POWER SYSTEMS (TC 131)**

[ISO/TR 22164:2020](#), Hydraulic fluid power - Application notes for the optimization of the energy efficiency of hydraulic systems, \$45.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 9797-3/Amd1:2020](#), Information technology - Security techniques - Message Authentication Codes (MACs) - Part 3: Mechanisms using a universal hash-function - Amendment 1, \$19.00

[ISO/IEC TS 23167:2020](#), Information technology - Cloud computing - Common technologies and techniques, \$209.00

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

[IEC 61850-7-4 Amd.1 Ed. 2.0 b:2020](#), Amendment 1 - Communication networks and systems for power utility automation - Part 7-4: Basic communication structure - Compatible logical node classes and data object classes, \$410.00

[IEC 61850-7-4 Ed. 2.1 en:2020](#), Communication networks and systems for power utility automation - Part 7-4: Basic communication structure - Compatible logical node classes and data object classes, \$1055.00

[IEC 61850-9-2 Amd.1 Ed. 2.0 b:2020](#), Amendment 1 - Communication networks and systems for power utility automation - Part 9-2: Specific communication service mapping (SCSM) - Sampled values over ISO/IEC 8802-3, \$164.00

[IEC 61850-9-2 Ed. 2.1 en:2020](#), Communication networks and systems for power utility automation - Part 9-2: Specific communication service mapping (SCSM) - Sampled values over ISO/IEC 8802-3, \$528.00

SAFETY OF HAND-HELD MOTOR-OPERATED ELECTRIC TOOLS (TC 116)

[IEC 62841-3-9 Ed. 2.0 b:2020](#), Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-9: Particular requirements for transportable mitre saws, \$235.00

[S+ IEC 62841-3-9 Ed. 2.0 en:2020 \(Redline version\)](#), Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-9: Particular requirements for transportable mitre saws, \$305.00

SEMICONDUCTOR DEVICES (TC 47)

[IEC 60191-2 Amd.21 Ed. 1.0 en:2020](#), Amendment 21 - Mechanical standardization of semiconductor devices - Part 2: Dimensions, \$47.00

IEC Technical Specifications**STANDARD VOLTAGES, CURRENT RATINGS AND FREQUENCIES (TC 8)**

[IEC/TS 62749 Ed. 2.0 en:2020](#), Assessment of power quality - Characteristics of electricity supplied by public networks, \$317.00

[S+ IEC/TS 62749 Ed. 2.0 en:2020 \(Redline version\)](#), Assessment of power quality - Characteristics of electricity supplied by public networks, \$412.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

Final Actions Corrections

Change to Title of Approved ANS

ANSI/APCO/NEMA 1.102.3-2020

The title of the approved standard ANSI/APCO/NEMA 1.102.3-2020, "Public Safety Answering Point (PSAP) Service Capability Criteria Rating Scale", published in the February 7, 2020 edition of Standards Action has been changed to "Emergency Communications Center (ECC) Service Capability Rating Scale". Questions should be directed to Stacy Banker, (920) 579-1153, bankers@apointl.org.

Incorrect Title of Withdrawn ANS

INCITS 490-2014

The title of the withdrawn American National Standard INCITS 490:2014, "Information technology - SCSI over PCIe (RTM) Architecture (SOP)", was listed incorrectly in the December 13, 2019 edition of Standards Action. The correct title of this withdrawn standard, INCITS 490:2014 is "Information technology - PCIe (RTM) Architecture Queuing Interface (PQI)".

Please direct inquiries to Lynn Barra, (202) 737-8888, comments@standards.incits.org.

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 17/SC 12 – Continuous mill flat rolled products

ANSI has been informed that ASTM International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 17/SC 12, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 17/SC 12 operate under the following scope:

Development and maintenance of specifications for hot-rolled and cold-reduced steel sheet and strip in coils and cut lengths and metallic coated steel sheet in coils and cut lengths. excluding:

- Tinplate and blackplate but including tin-coated sheets
- Stainless and heat resisting steels 3
- Plates.

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

Meeting Notices

LIA (ASC Z136) Laser Institute of America

The 2020 LIA (ASC Z136) Annual Meeting, will be held in Austin, TX on Monday, March 30, 2020. The scope of ASC Z136 is to protect against hazards associated with the use of lasers and optically radiating diodes. Topics covered in this meeting will include Committee and subcommittee reports regarding the development of Z136 standards. This meeting is for all members of the LIA (ASC Z136) and is also open to observers (non-members of LIA (ASC Z136)).

Event: 2020 ASC Z136 Annual Meeting

Date: Monday, March 30, 2020

Time: 9:00am - late-afternoon

Location: Lil' Tex Auditorium, The Commons Conference Center, JJ Pickle Campus of the University of Texas at Austin.

Address: Commons Conference Center
10100 Burnet Road, Bldg. 137
Austin, TX 78705

To attend, RSVP as an observer, e-mail Liliana Caldero, lcaldero@lia.org no later than March 13, 2020.

Information Concerning

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator ISO/TC 295 – *Audit data services*

ANSI directly administers the U.S. TAG Administrator for ISO/TC 295 with the support of the Organization for the Advancement of Structured Information Standards (OASIS). OASIS has advised ANSI to relinquish its role as U.S. TAG Administrator for this committee.

ISO/TC 295 operates under the following scope:

Standardization in the field of audit data services covers the content specification as well as the collection, pre-processing, management and analysis techniques for the identification, communication, receipt, preparation and use of audit data.

Note:

- 1. *Audit: an official examination of an entity's financial and financial related records in order to check that they are correct. (Source: Longman Dictionary of Contemporary English 4th Edition, modified company has been replaced by entity to cover government auditees and financial related records has been added.)*
- 2. *The audit data includes data of different areas including public sector budget, financial report, nonfinancial enterprises, tax and social insurance, for the purpose of government audit, external independent audit, internal audit and other regulators.*

Excluded:

- 1. *Information system security audit covered by ISO/IEC/JTC 1.*
- 2. *Security evaluation criteria and methodology, techniques and guidelines to address both security and privacy aspects covered by ISO/IEC/JTC 1/SC 27.*
- 3. *Meta-data standards, E-business standards, database language standards covered by ISO/IEC/JTC 1/SC 32.*

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).

Information Concerning

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 17/SC 12 – Continuous mill flat rolled products

Comment Deadline: March 19, 2020

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 17/SC 12 – *Continuous mill flat rolled products*. ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 17/SC 12 to ASTM International. ASTM International has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 17/SC 12 operates under the following scope:

Development and maintenance of specifications for hot-rolled and cold-reduced steel sheet and strip in coils and cut lengths and metallic coated steel sheet in coils and cut lengths. excluding:

- *Tinplate and blackplate but including tin-coated sheets*
- *Stainless and heat resisting steels 3*
- *Plates.*

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 17/SC 12. 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 17/SC 12 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by March 19, 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.

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- *ANSI Essential Requirements: Due process requirements for American National Standards* (always current edition): www.ansi.org/essentialrequirements
- ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures): www.ansi.org/standardsaction
- Accreditation information – for potential developers of American National Standards (ANS): www.ansi.org/sdoaccreditation
- ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form): www.ansi.org/asd
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: www.ansi.org/asd
- American National Standards Key Steps: www.ansi.org/anskeysteps
- American National Standards Value: www.ansi.org/ansvalue
- ANS Web Forms for ANSI-Accredited Standards Developers - PINS, BSR8|108, BSR11, Technical Report: www.ansi.org/PSAWebForms
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CDV-1 ANSI/AAMI ST79:2017/A.3
Amendment for Modification of content pertaining to frequency of cleaning
for routine care of sterilizers for sterile processing areas in health care
facilities

1 Revise section 12.4 to eliminate daily cleaning recommendation.

2 **12.4 Routine care**

3 Sterilizers should be visually inspected daily according to the manufacturer's written IFU. Examples of items
4 requiring daily care and/or cleaning are recording charts, printers, printer ribbons, marking pens and ink,
5 door gaskets, the chamber drain screen, the internal chamber, and external surfaces. Weekly or other
6 prescribed inspection and cleaning should be performed as specified in the manufacturer's written IFU and
7 should be documented per internal procedures. Examples of items to be observed are excessive staining
8 and discoloration of the internal chamber. If staining or discoloration is noted then follow the process for
9 cleaning the internal surfaces of the autoclave as outlined in the manufacturers' written IFU. If anything out
10 of the ordinary is noted during daily or weekly inspection, refer to the manufacturer's written IFU for steps to
11 follow.

12 **Rationale:** Periodic inspection and cleaning reduce the frequency of equipment malfunction and the risk of
13 accidental contamination of sterile items.

CDV-1 ANSI/AAMI ST79:2017/A.4
Amendment for Content addressing recording BI lot numbers in sterilizer records for sterile processing in health care facilities

1 Revise section 13.3.3 to add content pertaining to lot numbers.

2
3 **13.3.3 Sterilizer records**

4
5 The process critical parameters (time and temperature) provided on the recording chart, printer, or tape
6 should be reviewed, signed, and dated by the operator to indicate an acceptable cycle. For each sterilization
7 cycle, the following information should be recorded:

- 8
9 a) the load number;
- 10
11 b) the specific contents of the lot or load, including quantity, department, and a specific description of the
12 items (e.g., towel packs, type/name of instrument sets);
- 13
14 c) the exposure time and temperature, if not provided on the sterilizer recording chart;
- 15
16 d) operator identification;
- 17
18 e) the lot numbers and results of biological testing (test BI(s) and control BI(s), see 13.8.2.3, 13.8.3.3 and
19 13.8.4.3, if applicable);
- 20
21 f) the results of Bowie-Dick testing, if applicable;
- 22
23 g) the response of the CI placed in the PCD, if applicable; and
- 24
25 i) any reports.

26
27
28 Revise section 13.8.2.3 6) to read:

- 29
30 6) The lot number of both test BIs and control BIs should be documented.

31
32
33 Revise section 13.8.3.3 6) to read:

- 34
35 6) The lot number of both test BIs and control BIs should be documented.

36
37
38 Revise section 13.8.4.3 e) to read:

- 39
40 e) Each day that test BIs are run, at least one BI that is from the same lot and that has not been exposed
41 to the sterilant should be incubated as a control in each incubator to verify the presterilization viability of
42 the test spores, the ability of the media to promote growth of the test spores, and the proper incubation
43 temperature. The lot number of both test BIs and control BIs should be documented. Upon completion
44 of the incubation period, the test and control results should be read and recorded. If the control BI from
45 a lot fails to grow, it should be assumed that the test BIs from that lot are nonviable or that improper
46 incubation occurred. Therefore, the results from the test BIs should be considered invalid and the test
47 repeated.



**BSR/ASHRAE Addendum a
to ANSI/ASHRAE Standard 62.1-2019**

Public Review Draft

**Proposed Addendum a to
Standard 62.1-2019, Ventilation for
Acceptable Indoor Air Quality**

**First Public Review (January 2020)
(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 a to ANSI/ASHRAE Standard 62.1-2019, *Ventilation and Acceptable Indoor Air Quality*
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 proposed addendum clarifies that air density adjustments are permitted but are not required. At the publication of ANSI/ASHRAE Standard 62.1-2016 General Notes for Table 6.2.2.1 Note 3 was modified from “Air density: Volumetric airflow rates are based on dry air density of 0.075 lb_{da}/ft³ (1.2 kg_{da}/m³) at a barometric pressure of 1 atm (101.3 kPa) and an air temperature of 70°F (21°C). Rates may be adjusted for actual density, but such adjustment is not required for compliance with this standard.” to read “Air density: Volumetric airflow rates are based on dry air density of 0.075 lb_{da}/ft³ (1.2 kg_{da}/m³) at a barometric pressure of 1 atm (101.3 kPa) and an air temperature of 70°F (21°C). Rates shall be permitted to be adjusted for actual density.” This change was undertaken as editorial in order to conform the standard to standard language requirements but has led to confusion as to whether density adjustments are required.

Although the technical basis for ventilation in this standard is rooted in mass balance, the customary means of measuring air flow rates is volumetric. A requirement for density corrections would represent a substantive change and would have implications for other requirements in the standard.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (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 a to 62.1-2019

Revise 6.2.1.1.3 as shown below.

6.2.1.1.3 Air Density. Volumetric airflow rates are based on dry-air density of 0.075 lb_{da}/ft³ (1.2 kg_{da}/m³) at a barometric pressure of 1 atm (101.3 kPa) and an air temperature of 70°F (21°C). Rates shall be permitted to be adjusted for actual density, but such adjustments are not required for compliance with this standard.

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NSF/ANSI Standard
for Food Equipment –

High Pressure Decorative Laminates for Surfacing Food Service Equipment

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4 Materials

4.4 Wear resistance

Wear resistance testing shall be performed in accordance with section 3.13, WEAR RESISTANCE of NEMA LD 3-20051. Test specimen wear resistance score shall be no ~~greater~~ less than 400 cycles.

Rationale: During the most recent update to standard 35, this section was reworded for clarification. It is clearly documented that no change to testing or acceptance criteria was intended. Updated wording corrects this error.

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NSF/ANSI Standard for Wastewater Technology–

Onsite residential and commercial water reuse treatment systems

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-
-

8 Performance testing and evaluation

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-

8.1 Greywater treatment systems with capacities up to 5,678 L/day (1,500 gal/day)

-
-
-

8.1.2 Testing and evaluation conditions, hydraulic loading, and schedules

-
-
-

8.1.2.2 Hydraulic loading and schedules

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-
-

8.1.2.2.3 Vacation stress

On the day that the non loading stress is initiated, a system treating combined greywater shall be dosed at 40% of its daily hydraulic capacity between 7:00 a.m. and 10:00 a.m. and at 35% between 11:00 a.m. and 2:00 p.m. A system treating bathing water shall be dosed at 50% of its daily hydraulic capacity between 7:00 a.m. and 10:00 a.m. and at 25% between 11:00 a.m. and 2:00 p.m. A system treating laundry water shall be dosed at 100% of its daily hydraulic capacity between 7:00 a.m. and 10:00 a.m. Dosing shall be discontinued for eight consecutive days, beginning the day after initiating the stress (power shall continue to be supplied to the system). Between 6:00 p.m. and 9:00 p.m. of the ninth day, the system shall be dosed with 60% of its daily hydraulic capacity. This shall include three wash loads (each wash load equal to 114 L [30 gal]) of the laundry challenge water (described in Section 8.1.2.1.2) for residential systems designed to treat more than 100 gpd combined greywater. This shall include two wash loads (each wash load equal to 114 L [30 gal]) of the laundry challenge water (described in Section 8.1.2.1.2) for residential systems designed to treat more than 50 gpd combined greywater. This shall include one wash load (each wash load equal to 114 L [30 gal]) of the laundry challenge water (described in Section 8.1.2.1.2) for residential systems designed to treat 50 gpd or less combined greywater.

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 Issue 46 Revision 1 (February 2020)

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	7:00 a.m. – 10:00 a.m.	11:00 a.m. – 2:00 pm	Following 8 days	Day 9
combined > 100 gpd	40% of daily capacity	35% of daily capacity	no dosing	60% from 6:00 p.m. to 9:00 p.m., including 3 wash loads for residential systems
combined > 50 gpd	40% of daily capacity	35% of daily capacity	no dosing	60% from 6:00 p.m. to 9:00 p.m., including 2 wash loads for residential systems
combined ≤ 50 gpd	40% of daily capacity	35% of daily capacity	no dosing	60% from 6:00 p.m. to 9:00 p.m., including 1 wash load for residential systems
bathing	50% of daily capacity	25% of daily capacity	no dosing	60% from 6:00 p.m. to 9:00 p.m.
laundry	100% of daily capacity	no dosing	no dosing	60% from 6:00 p.m. to 9:00 p.m.

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-

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NSF/ANSI/CAN Standard
for Drinking Water Additives –

Drinking Water Treatment Chemicals – Health Effects

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3 General requirements

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3.9 Product security

Products to be sold for drinking water treatment applications shall be protected to maintain the quality required by this Standard. Appropriate, effective measures shall be made to control access to products at all points of manufacturing, blending, diluting, packaging, repackaging, storage, shipping and handling, and to provide the manufacturer and the purchasing user of product with the ability to detect tampering (see Annex I-5).

3.9.1 Definition of tamper-evident packaging

Packaging having one or more indicators or barriers to entry which, if breached or missing, can reasonably be expected to provide visible evidence that tampering has occurred.

3.9.2 Security requirements for packaged products

Packaged product shall be stored, shipped, and delivered in tamper-evident packaging as defined in Section 3.9.1. Properly constructed, labeled, and sealed multi-wall containers such as bags, ~~and~~ fiber drums, and multi-layer stretch-wrap/shrink-wrap/pallet sleeves with tamper-evident (T/E) labeling, T/E tape or unique features constitute two forms of acceptable tamper-evident packaging.

Rationale: Revised per 2019 DWA-TC JC meeting discussion (December 4, 2019) to allow stretch wrap as acceptable tamper evidence packaging for palletized products that include the additional measures listed above.

Smaller containers do not require individual tamper-evident seals when shipped in a larger container from the manufacturer with acceptable seals or closures on the larger container, as noted in the prior paragraph, provided the smaller containers are not intended to be sold individually as certified product (i.e., not labeled for individual sale / use for drinking water applications). ~~Valve bags are an exception and it is permissible to label them for individual sale as described in 3.9.2.1.~~

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3.9.2.1 Bags and super sacks

Packages for product shipped without reusable openings shall be constructed and properly sealed to make opening or substitution obvious to the purchaser. The packages shall display the company’s name, and employ seals that are destroyed upon opening, or that make resealing unlikely (e.g., serialized tags), or other equivalent tamper-evident measures so that once opened, the tamper-evident feature of the seal on the packaging is unable to be restored or readily duplicated.

3.9.2.1.1 Individual bags with valve closures

Individual bags that utilize valve closures do not require tamper-evident seals when shipped in a larger container from the manufacturer with acceptable seals or closures on the larger container as noted in Section 3.9.2. (See Annex I-5 for photo example.) It is permissible to label individual valve bags ~~may be~~ labeled for sale, including labeling according to 3.5.

Rationale: Revised per 2019 DWA-TC JC meeting discussion (December 4, 2019) to allow an exemption for tamper-evident seals on bags with valve closures when shipped in a larger container that has acceptable tamper-evident seals or closures.

3.9.2.2 Drums and small containers

Drums and small containers used for product shall be constructed and properly sealed to make opening or substitution obvious to the purchaser. Openings in the containers shall be sealed with tamper-evident seals and the packages shall display the company’s name. Packages shall employ seals that are destroyed upon opening, or that make resealing unlikely (e.g., ultrasonic seals), or other equivalent tamper-evident measures so that once opened, the tamper-evident feature of the seal is unable to be restored or readily duplicated.

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Informative Annex 5
(previously Annex F)

Examples of tamper evidence for bulk shipments

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I-5.4 Examples of tamper evidence for outer packed shipments

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Issue 85 Revision 1 (February 2020)

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Example of outer packaging providing tamper evidence for valve bags via stretch-wrap/shrink-wrap, or pallet sleeve.

Figure 14



Examples of valve bag

Figure 15

BSR/UL 80079-20-1, Standard for Safety for *Explosive Atmospheres - Part 20-1: Material Characteristics for Gas and Vapour Classification – Test Methods and Data*

1. This proposal provides revisions to the proposal document dated December 6, 2019 for the Adoption of ISO/IEC 80079-20-1 Explosive Atmospheres - Part 20-1: Material Characteristics for Gas and Vapour Classification – Test Methods and Data, (first edition issued by ISO/IEC December 2017) as a new ISO/IEC-based UL standard, UL 80079-20-1 to the applicable requirements per comment received.

PROPOSAL

1 Scope

1DV DR Modification of Clause 1 to replace with the following:

This ~~standard part of ISO/IEC 80079~~ provides guidance on classification of gases and vapours for the purpose of area classification in accordance with NFPA 70, National Electrical Code (NEC) as hazardous (Classified) locations and include Zone 0, Zone 1 and Zone 2. It describes a test method intended for the measurement of the maximum experimental safe gaps (MESG) for gas-air mixtures or vapour-air mixtures under normal conditions of temperature and pressure (20 °C, 101,3 kPa) so as to permit the selection of an appropriate group of equipment. This document also describes a test method intended for use in the determination of the auto-ignition temperature (AIT) of a vapour-air mixture or gas-air mixture at atmospheric pressure, so as to permit the selection of an appropriate temperature class of equipment.

Values of chemical properties of materials are provided to assist in the selection of equipment to be used in hazardous areas. Further data may be added as the results of validated tests become available.

The materials and the characteristics included in a table (see Error! Reference source not found.) have been selected with particular reference to the use of equipment in hazardous areas. The data in this document have been taken from a number of references which are given in the bibliography.

These methods for determining the MESG or the AIT may also be used for gas-air-inert mixtures or vapour-air-inert mixtures. However, data on air-inert mixtures are not tabulated.

Where references are made to US adoptions of IEC, IEC/IEEE, ISO, and ISO/IEC standards, the referenced requirements found in these standards shall apply as modified by any applicable US National Differences for the standard (see Clause 2).

2. Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

2DV DR Modification of Clause 2 references to replace with the following:

IEC 60050-426, *International Electrotechnical Vocabulary – Part 426: Electrical apparatus for explosive atmospheres* (available at <http://www.electropedia.org/>)

~~IEC 60079-11, *Explosive atmospheres – Part 11: Equipment protection by intrinsic safety "i"*~~

~~IEC 60079-14, *Explosive atmospheres – Part 14: Electrical installations design, selection and erection*~~

NFPA 70, National Electrical Code (NEC)

UL 60079-11, *Explosive atmospheres – Part 11: Equipment protection by intrinsic safety "i"*

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BSR/UL 498A, Standard for Safety for Current Taps and Adapters

1. Additional requirements for a current tap that includes either a shelf or ledge that is intended to support a product (such as a cell phone or tablet) during charging.

PROPOSAL

3 Glossary

3.6.1 CURRENT TAP WITH SHELF – A form of current tap that includes either a shelf or ledge that is intended to support a product (such as a cell phone or tablet) during charging.

7 Markings

7.13 Current Tap with Shelf

7.13.1 A current tap with a shelf intended to accommodate a product (such as a cell phone) shall be marked on the shelf surface visible after installation with the safety alert symbol, , preceding the word "CAUTION" and the following or equivalent statement : "This shelf (or compartment) is intended for use with a product weighing not more than 450 grams (Approx. 16 oz) and having dimensions that will permit even position on this shelf. (See instructions.) Use with other products may result in instability causing possible injury".

8 Installation Instructions

8.8 Current tap with shelf

8.8.1 A current tap with a shelf intended to accommodate a product (such as a cell phone) shall be provided with installation instructions that include the following:

a) safety alert symbol, , and

b) preceding the word "CAUTION" and the following or the equivalent: "This shelf (or compartment) is intended for use with a product weighing not more than 450 grams (approx. 16 oz) and having dimensions that will permit even position on this shelf. (See instructions.) Use with other products may result in instability causing possible injury", and

c) preceding the word "WARNING" and the following or the equivalent: "This current tap with a shelf (or compartment) shall be secured to a receptacle located at a height out of the reach by children"

8.8.2 A current tap with a shelf shall be provided with detailed installation instructions to enable proper installation of the device to a receptacle. The installation instructions shall

include the word “CAUTION” and the following or the equivalent: “Risk of Electric Shock. Must connect mechanical means of securement (mounting screw) to receptacle.”

17E Current Tap with Shelf

17E.1 The plug portion of the device shall be of the grounding-type, rated 15- or 20 - amperes, 125- or 250 -volts and of the ANSI/NEMA WD6: 5-15P, 6-15P, 5-20P, or 6-20P configuration only.

17E.2 The device shall be provided with a mechanical means (i.e. mounting hole and assembly screw) for securement to a mating duplex receptacle.

17E.3 The shelf portion of the device shall have dimensions not greater than 100 mm (4 inch) wide by 38 mm (1.5 inch) deep measured from the rear of the device when inserted into a mating receptacle as intended.

17E.4 A current tap with a shelf shall comply with the Loading test as described in Section 46.

17E.5 A current tap with a shelf that is intended for installation where the receptacle cover plate is removed shall comply with wall plate dimensional specifications identified in ANSI/NEMA WD6. Additionally, the insulating material of the current tap forming the cover plate shall also comply with the insulating material requirements for non-metallic cover plates, UL 514D, paragraphs 7.2 through 7.6 6 (Relative thermal index, Resistance to Ignition, Dielectric, Flame Penetration, Flammability for cover plates respectively).

46 Loading Test

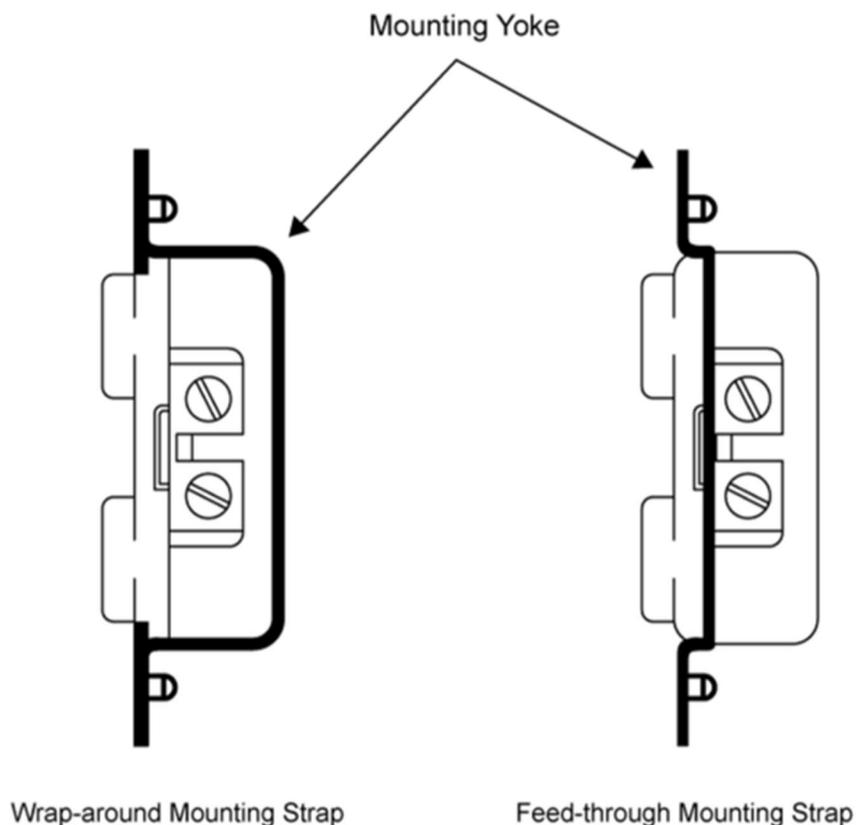
46.1 A current tap with a shelf shall be capable of withstanding an applied force of 1800 grams (approx.4 lbf), for 2 minutes.

46.2 During the applied force, there shall be no separation between the plug blades of the current tap and the flush receptacle capable of being contacted by a 0.8 mm (1/32 inch) rod. Upon removal of the applied force, the device shall be unplugged from the duplex receptacle. There shall be no cracking, breakage or other damage to the duplex receptacle.

46.3 The device is to be plugged into a grounding-type duplex receptacle of the mating configuration as intended, except the securement means of the device (i.e. assembly hole and mounting screw) to the duplex receptacle shall be omitted.

46.4 Three of the six duplex receptacles shall employ a “wrap-around” mounting yoke design. The other three duplex receptacles shall employ a “feed-through” mounting yoke design. See Figure 46.1 for receptacle mounting yoke construction.

Figure 46.1



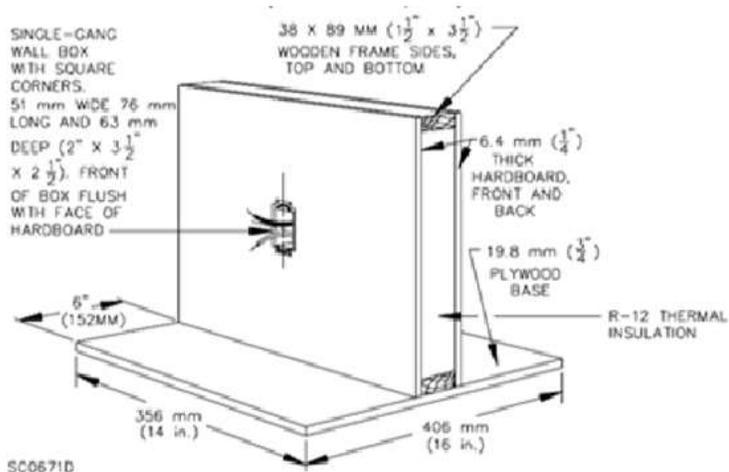
su3669

46.5 The duplex receptacle shall be mounted in a metallic flush outlet box installed in a simulated wall shown in Figure 46.2 with the ground contact in the down position. A metallic cover plate shall be installed to complete the assembly. If the installation instructions require the user to remove and not use the cover plate during installation, the cover plate may be omitted.

46.6 Each of the six devices under test shall be inserted into the receptacle outlet with the shelf positioned on top of the receptacle and in a horizontal position. If the shelf portion is not positioned either on top and in a horizontal position, the duplex receptacle may be re-positioned in the outlet box until the shelf is positioned to the top and horizontal orientation

Figure 46.2|

Loading Test Fixture



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BSR/UL 508A, Standard for Safety for Industrial Control Panels**8. Withdrawal of Proposal: Sizing the Feeder**

If the July 13, 2018 proposal is withdrawn, the current requirements in the standard would remain unchanged as shown below:

32.3 Sizing of overcurrent protection

32.3.1 The size of the overcurrent protection shall not exceed the ampere value determined from (a) and (b), whichever is larger:

- a) The rating of the largest branch circuit protective device in the circuit plus the full-load currents of all other motors or other loads in the group; or
- b) The ampacity of the conductors or bus bars on the load side of the overcurrent device.

66.7.4 The main overcurrent protection shall be sized based on the sum of::

- a) The rating of the branch circuit protective device for the highest rated motor in the circuit; and
- b) The full-load currents of all remaining motors and other loads in the circuit that are simultaneously operable.

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BSR/UL 558, Standard for Safety for Industrial Trucks, Internal Combustion Engine-Powered**1. Proposed Revision To Overcurrent Protection Requirements for Types G, D, LP, And CN To Allow An Alternative Method Of Compliance**

8.7 Each lighting-device, warning-device, or other auxiliary circuits shall be protected by a fuse or a circuit breaker, or a supplementary protector, of the size necessary to reduce the likelihood of overheating of the smallest conductor in the circuit. A fuse conforming with the Standard for Electric Fuses, ANSI/SAE J554, the applicable parts of the UL 248 series of standards, the Standard for Automotive Glass Tube Fuses, [UL 275](#) or the Outline of Investigation for Automotive Blade Type Fuses, [UL 275A](#) shall be considered acceptable. A circuit breaker conforming to the Standard for Circuit Breakers, ANSI/SAE J553 or the Standard for Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures, [UL 489](#), shall be considered acceptable. A supplementary protector conforming to the Standard for Supplementary Protectors for Use in Electrical Equipment, UL 1077, shall be considered acceptable.

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BSR/UL 778, Standard for Safety for Motor-Operated Water Pumps

1. Expansion to Allow Electronic Media for Instructions Manual

60.3 The instructions and warning statements required by Sections 61 - 62 shall be provided in an instruction sheet, manual, booklet, or similar printed material, and shall be repeated in any electronic media instructions if provided. All other instructions may be provided in electronic read-only media format only, such as a CD-ROM, DVD, website, flash drive or QR Code.

60.4 The printed instruction material required in 60.3 shall contain detailed instructions of how to obtain a printed copy of the material contained in electronic format.

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BSR/UL 924, Standard for Safety for Emergency Lighting and Power Equipment

1. ELCDs with control functionality to independently monitor normal power status

29A.1 An ELCD that has control functionality (“on”, “off”, “dim”, etc.) subject to testing under 47.2(c) shall have means to monitor the normal power status (the “input signal” referred to in 47.2(c)) for the branch circuit associated with its controlled loads. This input signal monitoring feature, which can be wired or wireless, shall be continuously functional and independent of the emergency power feeding through the ELCD to the load.

2. Derangement signal calibration for self-test equipment with variable output levels

30.1.1 Equipment with a range of output levels and subject to loads being added or removed after initial installation shall be marked, on a surface visible during service, “CAUTION: See instructions for derangement signal calibration.” ~~include instructions for calibrating the derangement signal activation threshold associated with the loss of connected loads, per 30.1(d).~~ Examples include constant power output LED emergency battery packs which provide reduced current in proportion to higher voltage loads being connected. See 74.5.

74.5 Per 30.1.1, equipment with self-test/self-diagnostic capability and a range of output levels shall include derangement signal calibration instructions preceded by the following, or equivalent: “CAUTION: This equipment provides reduced current levels when higher voltage loads are connected. The derangement signal requires calibration to ensure proper operation.”

3. Supply wiring connections for PoE (Power over Ethernet) equipment

17.1.1 Emergency lighting equipment is intended for permanent connection to the power supply and shall be provided with either lead wires or wiring terminals. Wiring terminals shall be sized to accommodate 60°C (140°F) rated wire, corresponding to the amperage ratings of the equipment.

Exception No. 1: See 18.1.3.

Exception No. 2: Equipment supplied by communication cables with RJ45 fittings (i.e., PoE) and whose installation instructions declare it intended to be installed where access to the supply connection is restricted to authorized personnel is permitted to use appropriately configured ports to serve as the supply wire terminals.

4. Test switch accessibility

29.3 A test switch of the momentary-break type, that returns the equipment to normal status when released, shall be accessible to maintenance personnel (see 4.49, routine maintenance) without the need for tools to remove a panel or barrier.

5. Guidance for non-Arabic character text-based exit signs

40.8 The requirements of section 41 apply to text based exit signs using ArabicEnglish alphabet letters, regardless of language. Text-based signs using other character sets would not necessarily be expected to conform to the letter height, width, and spacing requirements established for EnglishArabic letters; however, reductions from these dimensional values could result in reduced viewing distances. The viewing distance rating for any text-based sign of letter dimensions less than those required for EnglishArabic letters can instead be determined using the Observation Visibility Test.

18.1.3 Flexible cord for connection to the supply circuit is permitted on pendant, high bay, or other luminaires where the intended application is specifically identified as a permitted use of flexible cord in accordance with Subsections 400.10 and 410.62 of the National Electrical Code, NFPA 70-2017.

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BSR/UL 1063, Standard for Machine-Tool Wires and Cables

PROPOSAL

Table 8.1

Minimum acceptable average physical properties of PVC insulation and PVC jacket

Condition of specimens at time of measurement	Minimum acceptable ultimate elongation (1-inch or 25-mm bench marks) - See 8.4.2	Minimum acceptable tensile strength - See 8.4.2
Unaged	100 percent (1 inch or 25 mm)	1500 lbf/in ² or 10.3 MPa
Aged in a full-draft circulating-air oven for 168 h at 121.0 ± 1.0°C with nylon jacket of construction B removed	Die-cut specimens: 45 percent of the result with unaged specimens Other specimens: 65 percent of the result with unaged specimens	70 percent of the result with unaged specimens
Specimens (with nylon jacket of construction B in place) from wires or cables NOT marked "oil-resistant II" aged Aged in IRM 902 oil for 96 h at 100.0 ± 1.0°C	50 percent of the result with unaged specimens	50 percent of the result with unaged specimens

8.4.3 Specimens of ~~insulated conductors from a single conductor construction and both insulation and jacket~~ MTW ~~not marked "Oil Resistant II"~~ shall be immersed. ~~Samples shall be immersed~~ without removal of the nylon jacket, if present. After immersion for the specified length of time, each specimen shall be cut in half at the center of the U bend to provide two specimens for physical tests from each length immersed. The nylon covering shall be removed prior to the physical tests.

27.2 A conductor having a cross-sectional area that does not correspond to one of the AWG or kcmil sizes in Table 6.2 (see ~~note^b~~-~~note^a~~ to Table 1.1) shall have both of the following as the conductor size included in the legend mentioned in 23.1:

- a) The next smaller AWG or kcmil size shown in Table 6.2.
- b) The nominal cross-sectional area in square millimeters expressed to the same number of significant figures as the nominal area in square millimeters is given in Table 6.2 for the next smaller AWG or kcmil or size (three significant figures for size 22 - 7 and 20 - 12 AWG, four for 10 - 4/0 AWG, and three for 250 - 1000 kcmil). The unit of area may be expressed as "mm²" or "sq mm" or "square mm" or spelled out as "square millimeters". For example, a finished wire having a conductor with a cross-sectional area of two square millimeters is to be marked "16 AWG 2.00 mm²" or "16 AWG 2.00 sq mm" or "16 AWG 2.00 square mm" or "16 AWG 2.00 square millimeters".

30.2 The tag, reel, or carton marking of a finished single- or multiple-conductor wire or cable in which the conductor or conductors have a cross-sectional area that does not correspond to one of the AWG or kcmil sizes in Table 6.2 (see ~~note^b~~-~~note^a~~ to Table 1.1) shall include the statement "Conductor(s) are somewhat larger than the marked AWG or kcmil size, so select connectors accordingly and calculate the number of conductors for 50 percent maximum raceway fill from the actual cable OD using the methods described in Chapter 9 of the National Electrical Code (NFPA 70)".

32.1 PVC-insulated single-conductor wires and cables that have the cross-sectional area of one of the AWG sizes in Table 6.2 (the in-between sizes covered in ~~note^a~~ ~~b~~ to Table 1.1) are excluded - that is, these sizes shall be marked only "MTW") and that comply with requirements other than 1, and in addition to those in this Standard may be marked for the additional uses 1, ~~but wires~~ Wires and cables marked only "MTW" shall not be additionally marked "oil resistant II", "gasoline resistant", or "gasoline and oil resistant II", or equivalent. Type MTW wires and cables are required to comply with the oil-resistant I requirements (see Table 8.1), so they shall not be additionally marked "oil resistant I" or similar.

BSR/UL 1641, Standard for Safety for Installation and Classification of Residential Burglar Alarm Systems

1. Revisions to Section 5, Glossary

5.2 ALARM DETECTION – Equipment and wiring that is installed to provide electronic alarm ~~protection~~ detection within an alarm system.

5.5 COMBINATION SYSTEM – An alarm system that provides both burglary and fire detection. The alarm system may also provide additional supervisory circuits, such as medical alert, police call, basement flooding and the like.

5.17 RESIDENTIAL ALARM – A burglar alarm system used in a residence. ~~with or without a fire, life safety, or carbon monoxide initiating detection devices.~~

5.18 WINDOW SCREEN – A screen with the circuit wire secured to the mesh and frame, and complying with the Standard for Linings and Screens for Use with Burglar- Alarm Systems, UL 606.

2. Revisions to Section 6, Overall Requirements

6.2 A sounding device is required, and if mounted outdoors it shall be in accordance with NFPA 70.

3. Revisions to Foil and Fine Wire

~~10.3 A protective covering on the foil or glass that may hinder breakage of the foil shall not be used.~~

4. Revisions to Section 16, Shunts

16. Shunts

16.1 Contacts or intrusion detection devices may be shunted by an on/off switch to permit portions of the alarm to be deactivated while the occupant is at home to allow freedom of movement.

16.2 To permit exit or entry when the system has been activated, the alarm protection may be temporarily shunted by means of a key- or code-operated device or a timer.

16.3 The removal of a key- or code-operated shunted device located outside of the protected area shall initiate an alarm.

5. Revisions to Section 19, General Requirements for Maintenance and Service.

No changes to this proposal are being made at this time.

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BSR/UL 2443, Standard for Safety for Flexible Sprinkler Hose with Fittings for Fire Protection Service

1. Flexible Sprinkler with Pre-Installed Sprinklers

6.6 Sprinklers shall be permitted to be installed into the end fitting on a flexible hose prior to shipment if all of the following conditions are met:

- a) Each flexible hose and sprinkler assembly shall be pressure tested in accordance with Section 23 prior to shipment.
- b) The sprinkler shall be installed in accordance with the sprinkler manufacturer's installation instructions.
- c) Protection, such as a plastic cover, shall be provided for the entire sprinkler, including the deflector, heat responsive element and escutcheon (if provided), to minimize the potential for damage during shipment, storage, and installation.

The installation instructions include a statement indicating that the protection shall remain in place prior to and during installation, and shall be removed from the sprinkler prior to the time when the sprinkler system is placed into service. See 25.1 (p).

25.1 Each shipment of flexible sprinkler hose with fittings shall be provided with installation instructions that shall include at least the following:

- a) Reference to use in accordance with NFPA 13, 13D or 13R;
- b) Largest K-factor and orifice diameter of sprinkler intended to be connected to the fitting;
- c) Lengths of available flexible sprinkler hose with fittings;
- d) Equivalent length values of the assemblies;
- e) Instructions for securing the hose with fittings to the anchoring components;
- f) Instructions for securing the anchoring components to the building components. If intended for use with drop ceilings, reference to specific ceiling constructions such as intermediate and heavy duty ceilings as described in the Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings, ASTM C635 when installed in accordance with the Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels, ASTM C636;
- g) Information related to the permitted installation orientation and bending of the flexible sprinkler hose including the minimum bend radii;
- h) Pressure rating;
- i) Maximum ambient temperature rating;

- j) Intended use in wet systems dry systems or both wet and dry systems;
- k) Indication as to whether the hose and fittings have high flexibility or limited flexibility;
- l) Intended use for direct connection to fire sprinklers;
- m) Nominal size of inlet and outlet;
- n) Maximum span between end brackets where the span is not fixed; and
- o) Reference to the compatible rubber gasketed fitting if the inlet connection is provided with a proprietary groove.
- p) If a sprinkler is installed into the flexible hose end fitting prior to shipping, a statement indicating that the protection shall remain in place prior to and during installation and shall be removed from the sprinkler prior to the time when the sprinkler system is placed into service. Protection shall not be removed until construction activities or other events have progressed to the point where the sprinkler will not be subjected to conditions which may cause it to be damaged.

2. Clarifications of Test Methods and Requirements

21.2 Two samples each of the minimum and maximum lengths are to be subjected to the following tests:

- a) U-Bend test

The maximum length samples are to be subjected to repeated flexing at a rate of 5 to 30 cycles per minute in a direction parallel to the axis of the end fittings while pressurized to the rated pressure, as shown in Figure 21.1. The maximum length sample is to be placed in a U-shape with the end fittings at a horizontal distance from each other of twice the minimum bend radius referenced in the manufacturer's installation instructions. One end of the sample shall be held in a fixed position and the other end shall be flexed in the vertical plane a distance of 4 times the nominal diameter ~~inlet size~~ of the hose above and below the fixed end which results in a total vertical movement of 8 times the nominal diameter ~~inlet size~~. The Figure 21.1 test apparatus shall be constructed in a manner to eliminate any repetitive abrasion of the outer diameter of the flexible sprinkler hose and to maintain the specified bend radius during the test procedure.

24.1.1 An anchoring component for flexible sprinkler hose intended for use with suspended ceilings shall be provided with a label that includes information related to relocating a sprinkler within a ceiling assembly. An example of the text to be included on the label is as follows:

CAUTION:- DO NOT REMOVE THIS LABEL.

Relocation of this device should only be performed by qualified and/or licensed individuals that are aware of the original system design criteria, hydraulic criteria,

sprinkler head listing parameters, and knowledge of the state and local codes including NFPA 13 installation standards. Relocation of the device without this knowledge could adversely affect the performance of this fire protection and life safety system.

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