

Contents

American National Standards

Call for Comment on Standards Proposals	2
Call for Members (ANS Consensus Bodies)	16
Final Actions	19
Project Initiation Notification System (PINS)	23
ANS Maintained Under Continuous Maintenance	27
ANSI-Accredited Standards Developers Contact Information	28

International Standards

ISO and IEC Draft Standards	29
ISO Newly Published Standards	32
Registration of Organization Names in the U.S.	33
Proposed Foreign Government Regulations	33
Information Concerning	34

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: July 21, 2019

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

Addenda

BSR/ASHRAE/ASHE Addendum a to BSR/ASHRAE/ASHE Standard 189.3-201x, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3-2017)

This independent substantive change to the previous public review draft corrects data entry errors for several values in Table 7.5.2A, Energy Cost and CO₂e Building Performance Factors (BPF).

[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>

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B16.12-2009 (R2014), Cast Iron Threaded Drainage Fittings (revision of ANSI/ASME B16.12-2009 (R2014))

This Standard for cast-iron threaded drainage fittings covers, sizes, and method of designating openings in reducing fittings, marking, material, dimensions and tolerances, threading, ribs, coatings, and face bevel.

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

Send comments (with optional copy to psa@ansi.org) to: Ray Rahaman, rahamanr@asme.org

IIAR (International Institute of Ammonia Refrigeration)

New Standard

BSR/IIAR 9-201X, Standard for Minimum System Safety Requirements for Existing Closed-Circuit Ammonia Refrigeration Systems (new standard)

This standard is to provide the methodology to evaluate, establish, and document the minimum system safety requirements applicable to new and existing closed-circuit ammonia refrigeration systems.

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

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

NSF (NSF International)

Revision

BSR/NSF 49-201x (i146r1), Biosafety Cabinetry - Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2018)

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

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

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

BSR/NSF 49-201x (i147r1), Biosafety Cabinetry - Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2018)

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

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

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

BSR/NSF 244-201x (i4r1.1), Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2018)

The point-of-use (POU) and point-of-entry (POE) systems addressed by this Standard are designed to be used for the supplemental microbial control of specific organisms that may occasionally be present in drinking water (public or private) because of intermittent incursions. Certain of these specific organisms that may be introduced into the drinking water are considered established or potential health hazards. This Standard establishes requirements for POU and POE drinking-water treatment systems, and the materials and components used in these systems.

[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.)

Revision

BSR/UL 201-201X, Standard for Safety for Garage Equipment (revision of ANSI/UL 201-2015)

(1) Use of Class I, Division 2 devices in designated Class I, Division 2 hazardous locations.

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

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

BSR/UL 248-19-201x, Standard for Safety for Low-Voltage Fuses - Part 19: Photovoltaic Fuses (revision of ANSI/UL 248-19-2015)

(1) Clarification to inductance requirement for operation at rated voltage test.

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

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

BSR/UL 1558-201x, Standard for Safety for Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear (revision of ANSI/UL 1558-2017)

This proposal covers the addition of requirements to Section 19.6 for the allowance for Emergency Use Switchgear. A similar version of this proposal was published by UL for recirculation on February 22, 2019.

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

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

BSR/UL 1647-201x, Standard for Safety for Motor-Operated Massage and Exercise Machines (revision of ANSI/UL 1647-2018)

This proposal for UL 1647 covers: (1) Addition of reference to UL 62368-1 as an alternative to UL 60950-1

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

Send comments (with optional copy to psa@ansi.org) to: Wilbert Fletcher, (919) 549-1337, Wilbert.Fletcher@ul.com

BSR/UL 62841-1-201x, Standard for Safety for Electric-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 1: General Requirements (revision of ANSI/UL 62841-1-2015)

This proposal for UL 62841-1 covers: (1) Proposed addition of national difference to clause 14 to clarify Moisture Resistance Test Requirements for tools provided with an appliance inlet; and (2) Proposed changes to clause 8.14.1.1 to match the text of clause 8.14.1.1 of IEC 62841-1.

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

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

BSR/UL 62841-2-5-201x, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-5: Particular Requirements for Hand-Held Circular Saws (revision of ANSI/UL 62841-2-5-2016)

This proposal for UL 62841-2-5 covers: (1) Proposed revisions to clause 17.102.3DV.2 to clarify the requirements; and (2) Proposed deletion of clause 24.1DV involving protection against moisture for appliance inlets.

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

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

Comment Deadline: August 5, 2019

AIAA (American Institute of Aeronautics and Astronautics)

Reaffirmation

BSR/AIAA G-034A-2014 (R201x), Guide to Reference and Standard Ionosphere Models (reaffirmation of ANSI/AIAA G-034A-2014)

This standard provides guidelines for selecting ionospheric models for engineering design or scientific research. It describes the content of the models, uncertainties and limitations, technical basis, databases from which the models are formed, publication references, and sources of computer codes for 45 ionospheric models. The models cover the altitude range from the Earth's surface to approximately 10,000 kilometers. This Guide is intended to assist communication (C3I) and space system designers and developers, geophysicists, space physicists, and climatologists in understanding available models and comparing sources of data and interpreting engineering and scientific results based on different ionospheric models.

Single copy price: \$109.95

Obtain an electronic copy from: hillaryw@aiaa.org

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

BSR/AIAA S-017B-2015 (R201x), Aerodynamic Decelerator and Parachute Drawings (reaffirmation of ANSI/AIAA S-017B-2015)

This standard provides:

- Non-binding guidance in preparing parachute drawings. Parachute drawings use somewhat unique drawing conventions. Guidance and examples include: stitching, hidden lines, section views, tolerances, views and projections, detail views, seams and stitching, stitch patterns, seams and hems;
- Glossary of terms, to include: definitions, common parts, stitching, knots;
- Discussion of finished and pattern dimensions; and
- Parachute canopy profile and gore views for common canopy types.

Single copy price: \$69.95

Obtain an electronic copy from: hillaryw@aiaa.org

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

ANS (American Nuclear Society)

Reaffirmation

BSR/ANS 8.19-2014 (R201x), Administrative Practices for Nuclear Criticality Safety (reaffirmation of ANSI/ANS 8.19-2014)

This standard provides criteria for the administration of a nuclear criticality safety program for operations with fissile materials outside nuclear reactors in which there exists a potential for nuclear criticality accidents. This standard addresses the responsibilities of management, supervision, and nuclear criticality safety staff. It also addresses operating procedures, nuclear criticality safety process evaluations, and materials control.

Single copy price: \$56.00

Obtain an electronic copy from: <https://www.techstreet.com/ans>

Order from: <https://www.techstreet.com/ans>

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

ANS (American Nuclear Society)

Revision

BSR/ANS 8.23-201x, Nuclear Criticality Accident Emergency Planning and Response (revision of ANSI/ANS 8.23-2007 (R2012))

This standard provides criteria for minimizing risks to personnel during emergency response to a nuclear criticality accident outside reactors. The criteria address management and technical staff responsibilities, planning, equipment, evacuation, rescue, reentry, stabilization, classroom training, drills and exercises. This standard applies to facilities, locations or activities judged to have credible and non-trivial consequences from a criticality accident. This standard does not apply to nuclear power plant sites or to licensed research reactor facilities, which are addressed by other standards. NOTE: Public review for substantive changes only.

Single copy price: \$25.00

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

ASC X9 (Accredited Standards Committee X9, Incorporated)***New National Adoption***

BSR X9.126/ISO 17442-2019, Legal Entity Identifier (LEI) (identical national adoption of ISO 17442 LEI)

Legal entity identification is an integrated and necessary component of financial services transactions. Entering into business relationships requires 'Know Your Customer' processes to be initiated and maintained for the duration of these relationships and any longer term data retention requirements to be addressed. Parties involved in financial transactions need to be identified within these transactions. Then the risk of each party and the resulting concentration risk also needs to be measured. All of this is to be achieved while the support for Straight Through Processing (STP) is maintained. Following the global financial crisis, the need for regulators to identify legal entities, both nationally and across the global markets, has been raised as a critical need. More specifically, regulators are asking for standards to be used within the solutions they are developing to address the data collection and analysis needs resulting from the crisis. ISO 17442 fulfills the needs for legal entity identification of the global financial services industry and the regulatory community.

Single copy price: \$60.00

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

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

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

BSR/ASHRAE Addendum bj to BSR/ASHRAE Standard 135-201x, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2016)

This addendum introduces BACnet Secure Connect Datalink Layer Option and BACnet/SC in the Application and Network Layer Specifications; adds new Annex YY for the BACnet Secure Connect Datalink Layer Option and a Device_UUID Property to the Device Object; extends APDU Encoding for Large APDU Sizes; introduces new Error Codes for BACnet/SC; and defines Interoperability Specification Extensions for BACnet/SC and Extended 6-Octet VMAC.

Single copy price: \$35.00

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

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

BSR/ASHRAE Addendum by to BSR/ASHRAE Standard 135-201x, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2016)

This addendum removes Clause 24, Network Security, and all references to it.

Single copy price: \$35.00

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

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

BSR/ASHRAE Addendum bz to BSR/ASHRAE Standard 135-201x, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2016)

This addendum adds Who-Am-I and You-Are Services.

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>

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

BSR/ASSP A10.34-201X, Protection of the Public on or Adjacent to Construction Sites (revision and redesignation of ANSI/ASSE A10.34-2001 (R2012))

This standard provides the recommended elements and activities on construction projects to provide protection for the public.

Single copy price: \$100.00

Obtain an electronic copy from: Tim Fisher at TFisher@ASSP.Org

Order from: Tim Fisher, (847) 768-3411, tfisher@assp.org

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

ASTM (ASTM International)

Reaffirmation

BSR/ASTM E1480-1992 (R201x), Terminology of Facility Management (Building-Related) (reaffirmation of ANSI/ASTM E1480-1992 (R2013))

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM E2136-2013 (R201x), Guide for Specifying and Evaluating Performance of Single Family Attached and Detached Dwellings - Durability (reaffirmation of ANSI/ASTM E2136-2013)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM E2156-2013 (R201x), Guide for Evaluating Economic Performance of Alternative Designs, Systems, and Materials in Compliance with Performance Standard Guides for Single-Family Attached and Detached Dwellings (reaffirmation of ANSI/ASTM E2156-2013)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM E2267-2013 (R201x), Guide for Specifying and Evaluating Performance of Single Family Attached and Detached Dwellings - Indoor Air Quality (reaffirmation of ANSI/ASTM E2267-2013)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

BSR/ASTM E2351-2013 (R201x), Guide for Specifying and Evaluating Performance of Single Family Attached and Detached Dwellings - Functionality (reaffirmation of ANSI/ASTM E2351-2013)

https://www.astm.org/ANSI_SA

Single copy price: Free

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Order from: Laura Klineburger, (610) 832-9696, accreditation@astm.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

BSR ATIS 1000109-2014 (R201x), Exchange-Interexchange Carrier Interfaces - 950+ XXXX EC-to-IC Access Signaling Protocols (reaffirmation of ANSI ATIS 1000109-2014)

The purpose of this standard is to enable an exchange carrier (EC) entity and an interexchange carrier (IC), or consolidated carrier entity to provide interconnecting equipment that operates compatibly. This standard is one of a series of standards that gives individual-channel signaling protocol requirements for the interface located between a public-switched EC network within an access area and an IC, INC, or consolidated carrier network.

Single copy price: \$110.00

Obtain an electronic copy from: akarditzas@atis.org

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

BSR ATIS 1000603-2014 (R201x), ISDN - Minimal Set of Bearer Services for the Primary Rate Interface (reaffirmation of ANSI ATIS 1000603-2014)

This standard defines the minimal set-off bearer services for the ISDN primary rate interface, which conforms closely to ITU-T architectural concepts and explicitly considers the service constraints in the telecommunications environment of the United States. The bearer services defined in this standard are the minimal set of bearer services that are to be supported by public networks for ISDN primary rate interfaces.

Single copy price: \$60.00

Obtain an electronic copy from: akarditzas@atis.org

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

BSR ATIS 1000604-2014 (R201x), ISDN - Minimal Set of Bearer Services for the Basic Rate Interface (reaffirmation of ANSI ATIS 1000604-2014)

This standard defines the minimal set of bearer services for the ISDN basic rate interface, which conforms closely to ITU-T architectural concepts and explicitly considers the service constraints in the telecommunications environment of the United States.

Single copy price: \$110.00

Obtain an electronic copy from: akarditzas@atis.org

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

BSR ATIS 1000609-2014 (R201x), Interworking between the ISDN User-Network Interface Protocol and Signalling System Number 7 ISDN User Part (reaffirmation of ANSI ATIS 1000609-2014)

This standard is aimed at defining the interworking relationship between the call control protocol of the ISDN User-Network Interface Protocol and the ISDN User Part of SS7. This standard defines in detail the relationship between signalling information conveyed via the User-Network Interface Protocol and similar signalling information conveyed via the ISDN User part of SS7. The above relationship is described within the context of supporting the establishment and clearing of call within an ISDN or mixed ISDN/non-ISDN environment.

Single copy price: \$275.00

Obtain an electronic copy from: akarditzas@atis.org

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

BSR ATIS 1000621-2014 (R201x), ISDN - User to User Signaling Supplementary Service (reaffirmation of ANSI ATIS 1000621-2014)

This standard is one of a series which defines and describes service capabilities within the context of an Integrated Service Digital Network (ISDN). It describes a single service capability which is a telecommunication transport capability. Such capability can be made available on a demand or a subscription arrangement. Formerly known as T1.621-1992 (R2009).

Single copy price: \$175.00

Obtain an electronic copy from: akarditzas@atis.org

Order from: akarditzas@atis.org

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

BSR ATIS 1000623-2014 (R201x), Digital Subscriber Signaling System No. 1 (DSS1) - Signaling Specification for the User Signaling Bearer Service (reaffirmation of ANSI ATIS 1000623-2014)

This standard presents the procedures at the S or T reference point for D-channel access connection on basic-rate interfaces and primary-rate interfaces within the Integrated Services Digital Network (ISDN) to support ISDN user signalling bearer service.

Single copy price: \$110.00

Obtain an electronic copy from: akarditzas@atis.org

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

BSR ATIS 1000627-2014 (R201x), Broadband ISDN - ATM Layer Functionality and Specification (reaffirmation of ANSI ATIS 1000627-2014)

This standard is one a series of standard on Broadband Integrated Services Digital Network (B-ISDN). These standards describe the B-ISDN capabilities, architectural model, and network interfaces including protocol functionalities and specifications, and signaling characteristics. In particular, this standard describes the protocol of the ATM Layer.

Single copy price: \$220.00

Obtain an electronic copy from: akarditzas@atis.org

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

BSR ATIS 1000632-1993 (R201x), ISDN Supplementary Service Normal Call Transfer (reaffirmation of ANSI ATIS 1000632-1993 (R2014))

This standard describes the ISDN Normal Call Transfer Service in terms of service definition and protocol and procedures needed for implementation.

Single copy price: \$145.00

Obtain an electronic copy from: akarditzas@atis.org

Order from: akarditzas@atis.org

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

BSR ATIS 1000641-2014 (R201x), Calling Name Identification (reaffirmation of ANSI ATIS 1000641-2014)

This standard is one of a series which defines and describes supplementary services. These services can be made available for users with non-ISDN interfaces who access SS7 capable networks and also within the context of an Integrated Services Digital Network (ISDN). This standard describes Calling Name Identification Presentation which is a terminating service that provides either the name associated with the calling party number or an indication of privacy or unavailability to the called party.

Single copy price: \$175.00

Obtain an electronic copy from: akarditzas@atis.org

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

BSR ATIS 1000642-2014 (R201x), ISDN - Call Deflection Supplementary Service (reaffirmation of ANSI ATIS 1000642-2014)

This standard is one of a series that defines and describes supplementary services within the context of an Integrated Services Digital Network (ISDN). The interaction of this service with other ISDN services is also included. The purpose of the standard is to allow maximum compatibility among network- and user-owned telecommunication equipment in order to increase the attractiveness and usefulness of ISDN-based capabilities.

Single copy price: \$220.00

Obtain an electronic copy from: akarditzas@atis.org

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

BSR/ATIS 1000620a-2019 (R201x), Multi-Rate Circuit-Mode Bearer Service for ISDN - Addendum to the Circuit-Mode Bearer Service Category Description (reaffirmation of ANSI/ATIS 1000620a-1992 (R2009))

This document is a supplement to ATIS 1000620 and revises the standard to add the category of multi-rate circuit-mode bearer services.

Single copy price: \$30.00

Obtain an electronic copy from: akarditzas@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR ATIS 0100024-2009 (S201x), User Network Interface (UNI) Media Plane Security Standard for Evolving VoIP/Multimedia Networks (stabilized maintenance of ANSI ATIS 0100024-2009 (R2014))

This Standard provides a set of security guidelines and requirements for Media (User) Plane Security in Next Generation Networks.

Single copy price: \$145.00

Obtain an electronic copy from: akarditzas@atis.org

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

BSR ATIS 0100514-2009 (S201x), Network Performance Parameters and Objectives for Dedicated Digital Services - SONET Bit Rates (stabilized maintenance of ANSI ATIS 0100514-2009 (R2014))

This standard defines the parameters and establishes objectives for assessing the performance of dedicated digital services operating at the nominal 51.84 Mbit/s, 155.52 Mbit/s, 622.08 Mbit/s, 2.488 Gbit/s, and 9.865 Gbit/s interface rates of the SONET (Synchronous Optical Network) digital hierarchy. Rates above 9.865 Gbit/s and SONET virtual tributaries are for further study. The standard defines the framework for specifying accuracy and availability performance and the allocation of end-to-end performance objectives among service providers. The performance objectives are applicable to each direction of the service between network interfaces. Performance impairments originated outside the network interfaces, such as those due to end-user actions are not included in evaluating performance. The standard further provides acceptance and repair verification test limits for SONET services. The parameter definitions are block based, making in-service measures convenient.

Single copy price: \$175.00

Obtain an electronic copy from: akarditzas@atis.org

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

BSR ATIS 0100522-2000 (S201x), Quality of Service for Business Multimedia Conferencing (stabilized maintenance of ANSI ATIS 0100522-2000 (R2014))

This document specifies classes of Quality of Service (QOS) sufficient to support Business Multimedia Conferencing on Internet Protocol (IP) networks, defined as equivalent to legacy conference system performance (e.g., H.320 at Basic Rate Interface (BRI) rates). It also specifies the threshold of perceptible impairment for some user interface parameters. This standard applies to communications between a subset of multimedia end-points, namely Video Teleconference room systems and Desktop systems.

Single copy price: \$60.00

Obtain an electronic copy from: akarditzas@atis.org

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

BSR ATIS 1000035-2009 (S201x), NGN Identity Management Framework Generation Network (NGN) Priority Services (stabilized maintenance of ANSI ATIS 1000035-2009 (R2014))

This standard provides a framework for Identity Management (IdM) in NGN. The primary purpose of this framework is to describe a structured approach for designing, defining, and implementing IdM solutions and facilitate interoperability in a heterogeneous environment.

Single copy price: \$145.00

Obtain an electronic copy from: akarditzas@atis.org

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

BSR ATIS 1000114-2004 (S201x), Signaling System Number 7 (SS7) - Transaction Capabilities Application Part (TCAP) (stabilized maintenance of ANSI ATIS 1000114-2004 (R2014))

This document is based on T1.114-2000, and allows functions similar to those in ITU-T Recommendations Q.771 through Q.774 of the White Book specification of Signalling System No. 7 for international use, issued by the ITU-T Study Group XI (Vol. VI Fascicle VI.9). Formerly known as T1.114-2004 (R2009).

Single copy price: \$330.00

Obtain an electronic copy from: akarditzas@atis.org

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

BSR/ATIS 1000602-1996 (S2019), ISDN - Data-Link Layer Signaling Specification for Application at the User-Network Interface (stabilized maintenance of ANSI ATIS 1000602-1996 (R2014))

This standard specifies the Link Access Procedure on the D-channel, LAPD. The purpose of LAPD is to convey information between layer-3 entities across the ISDN user-network interface using the D-channel. LAPD is a protocol operating at the data-link layer of the OSI architecture. The frame structure, elements of procedure, format of fields, and procedures for the proper operation of LAPD are specified. Formerly known as T1.602-1996 (R2009).

Single copy price: \$30.00

Obtain an electronic copy from: akarditzas@atis.org

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

BSR/ATIS 1000666-1999 (S2019), Signaling System No. 7 (SS7) - Operator Services Network Capabilities (stabilized maintenance of ANSI/ATIS 1000666-1999 (R2014))

This standard describes the operator services originating connection network capability, which permits the establishment and release of a network connection between a user and an operator service or services. This capability builds upon the existing basic call control procedures; define in ATIS 1000113, for establishing and releasing connections. Formerly known as T1.666-1999 (R2009).

Single copy price: \$330.00

Obtain an electronic copy from: akarditzas@atis.org

Order from: akarditzas@atis.org

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

BSR/ATIS 1000666.a-2000 (S2019), Supplement to T1.666-1999, Interactions between the Operator Services Network Capabilities (OSNC) and Release to Pivot (RTP) (stabilized maintenance of ANSI/ATIS 1000666.a-2000 (R2014))

This document is a supplement to T1.666-1999 (R2009) and adds additional informative annexes. Formerly known as T1.666a-2000 (R2009).

Single copy price: \$60.00

Obtain an electronic copy from: akarditzas@atis.org

Order from: akarditzas@atis.org

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

AWS (American Welding Society)

Revision

BSR/AWS C6.2/C6.2M-201x, Specification for Rotary Friction Welding (revision of ANSI/AWS C6.2/C6.2M-2006)

This specification provides for the qualification of friction welding machines, procedures, and training of welding operators. Qualification of the welding procedure specification (WPS) includes the material specifications involved, weld joint design, destructive and nondestructive examination requirements, as well as guidelines for different categories of quality assurance. Qualification of welding equipment includes weld parameter control and weld reproducibility. Welding operators require training in the proper operation of friction welding equipment. The requirements for requalification of the WPS and equipment are also given.

Single copy price: \$34.00

Obtain an electronic copy from: mdiaz@aws.org

Order from: Mario Diaz, (305) 443-9353, mdiaz@aws.org

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

B11 (B11 Standards, Inc.)

Revision

BSR/B11.19-201x, Performance Requirements for Risk Reduction Measures: Safeguarding and Other Means of Reducing Risk (revision of ANSI B11.19-2010)

This standard provides performance requirements for the design, construction, installation, operation, and maintenance of the following risk reduction measures when applied to machines: inherently safe by design; engineering controls – guards; engineering controls – control functions; engineering controls – devices; administrative controls. This standard does not provide the requirements for the selection of the risk reduction measure for a particular application.

Single copy price: \$140.00

Order from: David Felinski, (832) 446-6999, dfelinski@b11standards.org

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

HL7 (Health Level Seven)

New Standard

BSR/HL7 V3 SOA UCRSVINT, R1-201x, HL7 Version 3 Standard: Event Publish & Subscribe Service Interface, Release 1 - US Realm (new standard)

Service functional model of Event Publication and Subscription Service. The proposed Event Publish and Subscribe Service is intended to complement existing SOA services. It provides a Service Functional Model (SFM) for services, components, and systems to subscribe to clinical events of interest and receive notice when new data are available. The service supports two common forms of filtering: topic-based and content-based.

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

Obtain an electronic copy from: Karenvan@HL7.org

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

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

BSR/V3 SOA EPSSRVINT, R1-201x, HL7 Version 3 Standard: United Communication Service Interface, Release 1 - US Realm (new standard)

Service functional model of Event Publication and Subscription Service. The proposed Event Publish and Subscribe Service is intended to complement existing SOA services. It provides a Service Functional Model (SFM) for services, components, and systems to subscribe to clinical events of interest and receive notice when new data are available. The service supports two common forms of filtering: topic-based and content-based.

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

Obtain an electronic copy from: Karenvan@HL7.org

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

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

HL7 (Health Level Seven)

Reaffirmation

BSR/HL7 V3 INFOB, R2-2014 (R201x), HL7 Version 3 Standard: Context-Aware Retrieval Application (Infobutton); Knowledge Request, Release 2 (reaffirmation of ANSI/HL7 V3 INFOB, R2-2014)

Release 2 of this specification updates Release 1 as follows: (1) Ability to specify additional patient context attributes; (2) Ability to represent context in terms of locations of interest; (3) Ability to specify a health care payer as the performer or information recipient of an Infobutton Request; and (4) Clarifications and improvement of the description of the Infobutton R-MIM classes and attributes.

Single copy price: Free to members and non-members

Obtain an electronic copy from: karenvan@HL7.org

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

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

BSR/HL7 V3 TRMLLP, R2-2006 (R201x), HL7 Version 3 Standard: Transport Specification - MLLP, Release 2 (reaffirmation of ANSI/HL7 V3 TRMLLP, R2-2006 (R2011))

This document contains a description of the Minimum Lower Layer Protocol (MLLP). Release 2 extends the MLLP by providing support for a minimum interpretation of reliable messaging.

Single copy price: Free to members and non-members

Obtain an electronic copy from: Karenvan@HL7.org

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

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

IEST (Institute of Environmental Sciences and Technology)

New National Adoption

BSR/ISO 14644-3-201x, Cleanrooms and associated controlled environments - Part 3: Test methods (national adoption of ANSI/IEST/ISO 146443:2019 with modifications and revision of ANSI/IEST/ISO 14644-3-2005)

This part of ISO 14644 provides test methods in support of the operation for cleanrooms and clean zones to meet air cleanliness classifications and related controlled conditions. Tests for classification of cleanliness are described in ISO 14644□1(classification of air cleanliness by particle concentration and for macroparticles). Other related attribute levels can be determined using ISO 14644□8 (levels of air cleanliness by chemicals), ISO 14644□9 (levels of surface cleanliness by particle concentration), and ISO 14644□10 (levels of surface cleanliness by chemical concentration). Performance tests are specified for two types of cleanrooms and clean zones: those with unidirectional flow and those with non□unidirectional flow, in three possible occupancy states: as□built, at□rest, and operational.

Single copy price: \$52.00 (IEST Members)/\$65.00 (Non-members)

Obtain an electronic copy from: <https://www.iest.org/Bookstore>

Order from: <https://www.iest.org/Bookstore>

Send comments (with optional copy to psa@ansi.org) to: Jennifer Sklena, jsklena@iest.org

NECA (National Electrical Contractors Association)

New Standard

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

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

Single copy price: \$25.00 (NECA members)/\$55.00 (nonmembers)

Obtain an electronic copy from: neis@necanet.org

Order from: Aga Golriz, (301) 215-4549, Aga.golriz@necanet.org

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

NECA (National Electrical Contractors Association)

Revision

BSR/NECA 303-201X, Standard for Installing and Maintaining Closed-Circuit Television (CCTV) (revision of ANSI/NECA 303-2005)

This standard describes installation procedures for closed-circuit television system equipment installed for video surveillance and for protection of building interiors, building perimeter, and surrounding property. This publication applies to closed-circuit television (CCTV) systems and accessories as required for a complete and functional closed circuit television system for security and monitoring activities in non-hazardous locations both indoors and outdoors. It also covers periodic routine maintenance procedures for closed-circuit television systems.

Single copy price: \$25.00 (NECA members)/\$55.00 (nonmembers)

Obtain an electronic copy from: neis@necanet.org

Order from: Aga Golriz, (301) 215-4549, Aga.golriz@necanet.org

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

NEMA (ASC C8) (National Electrical Manufacturers Association)

Reaffirmation

BSR/ICEA S-58-679-2014 (R201x), Standard for Control, Instrumentation and Thermocouple Extension Conductor Identification (reaffirmation of ANSI/ICEA S-58-679-2014)

This standard contains recommendations for conductor and circuit identification of control, instrumentation, and thermocouple extension cables when such identification is used.

Single copy price: \$100.00

Obtain an electronic copy from: khaled.masri@nema.org

Order from: Communications@nema.org

Send comments (with optional copy to psa@ansi.org) to: khaled.masri@nema.org

NEMA (ASC C8) (National Electrical Manufacturers Association)

Revision

BSR ICEA S-104-696-201x, Standard for Indoor-Outdoor Optical Fiber Cable (revision of ANSI/ICEA S-104-696-2013)

Indoor-outdoor cables covered by this Standard are generally derived from outdoor cable designs having the thermal and mechanical robustness that makes them suitable for use in the Outside Plant. Material changes are made, as required, to allow the designs to meet their intended fire rating. These cables can be expected to comply with all specification requirements stipulated in this Standard.

Single copy price: \$100.00

Obtain an electronic copy from: khaled.masri@nema.org

Order from: <http://www.nema.org/Standards/About-Standards/Pages/How-to-Purchase-a-NEMA-Standard.aspx>

Send comments (with optional copy to psa@ansi.org) to: khaled.masri@nema.org

RESNET (Residential Energy Services Network, Inc.)

Addenda

BSR/RESNET/ICC 301-2019 Addendum A, Dishwashers, Clothes Washers and Clothes Dryers (addenda to ANSI/RESNET/ICC 301-2014)

The addendum revises Standard ANSI/RESNET/ICC 301-2019, Standard for the Calculation and Labeling of the Energy Performance of Dwelling and Sleeping Units using an Energy Rating Index, to provide calculation protocols for new US Department of Energy appliance efficiency ratings for dishwashers, clothes washers, and clothes dryers in the development of the Energy Rating Index for Dwelling Units and Sleeping Units.

Single copy price: \$55.00

Obtain an electronic copy from: An electronic copy of the amendment can be downloaded from the RESNET website by following the links from webpage <http://www.resnet.us/blog/resnet-consensus-standards/>

Order from: Rick Dixon, Standards Manager, RESNET, P.O. Box 4561, Oceanside, CA 92052

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

SCTE (Society of Cable Telecommunications Engineers)

Revision

BSR/SCTE 104-201x, Automation System to Compression System Communications Applications Program Interface (API) (revision of ANSI/SCTE 104-2018)

This standard defines the Communications API between an Automation System and the associated Compression System that will insert SCTE 35 private sections into the outgoing Transport Stream. This standard serves as a companion to both SCTE 35 and SCTE 30.

Single copy price: \$50.00

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

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

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

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 60730-2-22-201x, Standard for Automatic Electrical Controls - Part 2-22: Particular Requirements for Thermal Motor Protectors (identical national adoption of IEC 60730-2-22 and revision of ANSI/UL 60730-2-22-2017)

To properly align thermal motor protectors that are intended for in-winding (integrated control) and off-winding (incorporated control) installation, the requirements for the classification of products were revised to correlate with the Part 1 standard. Additionally, since thermal motor protectors always provide a secured disconnection of the load (micro-disconnection), clause 6.4.3.3 is being revised to indicate that micro-interruption is not allowed for a thermal motor protector. The proposed revisions were part of UL 60730-2-2 before it was combined into UL 60730-2-22.

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.)

New Standard

BSR/UL 2683-201x, Standard for Safety for Electric Heating Systems for Floor and Ceiling Installation (new standard)

This proposal for UL 2683 covers the proposed first edition of the Standard for Electric Heating Systems for Floor and Ceiling Installation. This Standard is intended to allow advancement in technology and proactively address growing installation locations of applicable heating systems.

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.)

Reaffirmation

BSR/UL 123-2014 (R201x), Standard for Safety for Oxy-Fuel Gas Torches (reaffirmation of ANSI/UL 123-2014)

These requirements cover oxy-fuel gas torches used in operations such as welding, cutting, heating, scarfing, powder cutting, or other allied processes.

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 101-201x, Standard for Safety for Leakage Current for Appliances (revision of ANSI/UL 101-2018)

This proposal for UL 101 covers: (1) Proposed revision to the title and scope of UL 101 to reflect that the impact and application of the standard requirements include other products as well as appliances.

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

Section 68.2.2 of UL 471 is written such that it can be interpreted to indicate that any system pressurized by gas, with a relief over 50 psi, must not leak up to 260 psi. It is not clear what the last sentence in 68.2.2 refers to in the scope. The intent proposed here is that the requirement for not less the 650 psi only applies to systems without a relief valve. Section 68.2.3 should indicate that if a system pressurized by a pump contains a relief valve of a pressure less than the pump can develop, then the system must only withstand five times the start-to-discharge pressure of the relief valve.

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 705-201x, Standard for Safety for Power Ventilators (revision of ANSI/UL 705-2018)

This proposal for UL 705 covers: (1) Clarification of dryer exhaust duct power ventilator control requirement description; and (2) Addition of the requirements currently in the outline of investigation subject 762 as supplement SC to UL 705.

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 982-201x, Standard for Safety for Motor-Operated Household Food Preparing Machines (revision of ANSI/UL 982-2017)

This proposal for UL 982 covers: (1) Input test; and (2) Soup-making blenders.

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>

Comment Deadline: August 20, 2019

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B107.110-201x, Socket Wrenches (revision of ANSI/ASME B107.110-2012)

This Standard provides performance and safety requirements for socket wrenches (sockets), handles used with these wrenches, nutdrivers, and attachments used with socket wrenches, collectively referred to as "tools" in this standard.

Single copy price: Free

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

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

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

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 61058-2-5-201X, Standard for switches for appliances - Part 2-5: particular requirements for change-over selectors (national adoption with modifications of IEC 61058-2-5)

ANSI approval of the proposed standard for switches for appliances - Part 2-5: particular requirements for change-over selectors, UL 61058-2-5.

Single copy price: Free

Follow the instructions at the following web site to enter comments into the CSDS Work Area <https://csds.ul.com/Home/ProposalsDefault.aspx>

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

BSR/UL 61058-2-6-201X, Standard for switches for appliances - Part 2-6: Particular requirements for switches used in electric motor operated hand-held tools, transportable tools and lawn and garden machinery (national adoption with modifications of IEC 61058-2-6)

ANSI approval of the proposed Standard for Switches for appliances - Part 2-6: Particular requirements for switches used in electric motor operated hand-held tools, transportable tools and lawn and garden machinery, UL 61058-2-6.

Single copy price: Free

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

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

Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

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

TIA (Telecommunications Industry Association)

ANSI/TIA 1019-A-2012 (R2016), Standard for Installation, Alteration and Maintenance of Antenna Supporting Structures and Antennas

Questions may be directed to: Teesha Jenkins, (703) 907-7706, standards@tiaonline.org

Call for Members (ANS Consensus Bodies)

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

AIAA (American Institute of Aeronautics and Astronautics)

Office: 12700 Sunrise Valley Drive, Suite 200
Reston, VA 20191-5807

Contact: Hillary Woehrle

Phone: (703) 264-7546

E-mail: hillaryw@aiaa.org

BSR/AIAA G-034A-2014 (R201x), Guide to Reference and Standard Ionosphere Models (reaffirmation of ANSI/AIAA G-034A-2014)

BSR/AIAA S-017B-2015 (R201x), Aerodynamic Decelerator and Parachute Drawings (reaffirmation of ANSI/AIAA S-017B-2015)

ASME (American Society of Mechanical Engineers)

Office: Two Park Avenue
New York, NY 10016-5990

Contact: Mayra Santiago

Phone: (212) 591-8521

E-mail: ansibox@asme.org

BSR/ASME B16.12-2009 (R2014), Cast Iron Threaded Drainage Fittings (revision of ANSI/ASME B16.12-2009 (R2014))

BSR/ASME B107.110-201x, Socket Wrenches (revision of ANSI/ASME B107.110-2012)

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

Office: 520 N. Northwest Highway
Park Ridge, IL 60068

Contact: Tim Fisher

Phone: (847) 768-3411

E-mail: TFisher@ASSP.org

BSR/ASSP A10.34-201X, Protection of the Public on or Adjacent to Construction Sites (revision and redesignation of ANSI/ASSE A10.34-2001 (R2012))

ATIS (Alliance for Telecommunications Industry Solutions)

Office: 1200 G Street NW
Suite 500
Washington, DC 20005

Contact: Drew Greco

Phone: (516) 796-6087

E-mail: dgreco@atis.org

BSR/ATIS 0600010.01-201x, Temperature, Humidity, Altitude, and Salt Fog Requirements for Network Telecommunications Equipment Utilized in Outside Plant Environments (revision of ANSI/ATIS 0600010.01-2017)

BSR/ATIS 0600010-201x, Temperature, Humidity, and Altitude Requirements for Network Telecommunications Equipment Utilized in Controlled Environmental Spaces (revision of ANSI ATIS 0600010-2014)

FCI (Fluid Controls Institute)

Office: 1300 Sumner Avenue
Cleveland, OH 44115

Contact: Leslie Schraff

Phone: (216) 241-7333

E-mail: fci@fluidcontrolsinstitute.org

BSR/FCI 15-1-2015 (R201x), Standard for Production Testing of Pressure Regulators (reaffirmation of ANSI/FCI 15-1-2015)

NECA (National Electrical Contractors Association)

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

Contact: Aga Golriz

Phone: (301) 215-4549

E-mail: Aga.golriz@necanet.org

BSR/NECA 402-201x, Standard for Installing and Maintaining Motor Control Centers (revision of ANSI/NECA 402-2014)

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

BSR/NECA 702-201x, Recommended Practice for Maintaining Power Quality of Electrical Power Distribution Systems (new standard)

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

Contact: David Richmond

Phone: (703) 841-3234

E-mail: David.Richmond@nema.org

BSR C136.30-201X, Standards for Roadway and Area Lighting
Equipment - Pole Vibration (revision of ANSI C136.30-2015)

NEMA (ASC C8) (National Electrical Manufacturers Association)

Office: 1300 North 17th Street
Rosslyn, VA 22209

Contact: Khaled Masri

Phone: (703) 841-3278

E-mail: Khaled.Masri@nema.org

BSR ICEA S-120-742-201x, Hybrid Optical Fiber and Power Cable for
Use in Limited Power Circuits (revision of ANSI/ICEA S-120-742
-2016)

NSF (NSF International)

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

Contact: Allan Rose

Phone: (734) 827-3817

E-mail: arose@nsf.org

BSR/NSF 49-201x (i146r1), Biosafety Cabinetry - Design, Construction,
Performance, and Field Certification (revision of ANSI/NSF 49-2018)

BSR/NSF 49-201x (i147r1), Biosafety Cabinetry - Design, Construction,
Performance, and Field Certification (revision of ANSI/NSF 49-2018)

BSR/NSF 244-201x (i4r1.1), Supplemental Microbiological Water
Treatment Systems - Filtration (revision of ANSI/NSF 244-2018)

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.

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

New Standard

ANSI/APCO 2.106.1-2019, Public Safety Grade Site Hardening Requirements (new standard): 6/11/2019

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

Addenda

ANSI/ASHRAE Addendum 55b-2019, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2013): 5/31/2019

Revision

ANSI/ASHRAE Standard 150-2019, Method of Testing the Performance of Cool Storage Systems (revision of ANSI/ASHRAE Standard 150-2000 (R2014)): 5/31/2019

ANSI/ASHRAE Standard 158.1-2019, Methods of Testing Capacity of Refrigerant Solenoid Valves (revision of ANSI/ASHRAE Standard 158.1-2012): 5/31/2019

ASME (American Society of Mechanical Engineers)

New Standard

ANSI/ASME NML-1-2019, Rules for the Movement of Loads using Overhead Handling Equipment in Nuclear Facilities (new standard): 6/5/2019

Reaffirmation

ANSI/ASME B29.10M-1997 (R2019), Heavy Duty Offset Sidebar Power Transmission Roller Chains and Sprocket Teeth (reaffirmation of ANSI/ASME B29.10M-1997 (R2009)): 6/11/2019

Withdrawal

ANSI/ASME MFC-13M-2006 (R2014), Measurement of Fluid Flow in Closed Conduits-Tracer Methods (withdrawal of ANSI/ASME MFC-13M-2006 (R2014)): 6/11/2019

ASSP (Safety) (American Society of Safety Professionals)

Revision

ANSI/ASSP Z359.12-2019, Connecting Components for Personal Fall Arrest Systems (revision and redesignation of ANSI/ASSE Z359.12-2009): 6/5/2019

ASTM (ASTM International)

ANSI/ASTM F2644-2007 (R2019), Test Method for Performance of Commercial Patio Heaters ANSI/ASTM F2644-2007 (R2013): 5/21/2019

New Standard

ANSI/ASTM D8194-2019, Practice for Evaluation of Suitability of 37mm Filter Monitors and 47mm Filters Used to Determine Particulate Contaminant in Aviation Turbine Fuel (new standard): 12/18/2018

ANSI/ASTM D8255-2019, Guide for Work of Fracture Measurements on Small Nuclear Graphite Specimens (new standard): 5/21/2019

ANSI/ASTM F3346-2019, Specification for Polyethylene of Raised Temperature/Aluminum/Polyethylene of Raised Temperature (PE-RT/AL/PE-RT) Composite Pressure Pipe (new standard): 6/1/2019

Reaffirmation

ANSI/ASTM D5364-2014 (R2019), Guide for Design, Fabrication, and Erection of Fiberglass Reinforced (FRP) Plastic Chimney Liners with Coal-Fired Units (reaffirmation of ANSI/ASTM D5364-2014): 5/21/2019

ANSI/ASTM D6259-2015 (R2019), Practice for Determination of a Pooled Limit of Quantitation for a Test Method (reaffirmation of ANSI/ASTM D6259-2015): 5/12/2019

ANSI/ASTM D6424-2004a (R2019), Practice for Octane Rating Naturally Aspirated Spark Ignition Aircraft Engines (reaffirmation of ANSI/ASTM D6424-2004a (R2014)): 5/21/2019

ANSI/ASTM D6812-2004b (R2019), Practice for Ground-Based Octane Rating Procedures for Turbocharged/Supercharged Spark Ignition Aircraft Engines (reaffirmation of ANSI/ASTM D6812-2004b (R2014)): 5/21/2019

ANSI/ASTM E2820-2017 (R2019), Test Method for Evaluating Thermal EMF Properties of Base-Metal Thermocouple Connectors (reaffirmation of ANSI/ASTM E2820-2017): 5/21/2019

ANSI/ASTM F860-2007 (R2019), Specification for Hot Water Sanitizing Commercial Dishwashing Machines, Multiple Tank, Rackless Conveyor Type (reaffirmation of ANSI/ASTM F860-2007 (R2013)): 12/18/2018

ANSI/ASTM F1000-2013 (R2019), Practice for Piping System Drawing Symbols (reaffirmation of ANSI/ASTM F1000-2013): 5/21/2019

ANSI/ASTM F1371-2013 (R2019), Specification for Vegetable Peeling Machines, Electric (reaffirmation of ANSI/ASTM F1371-2013): 12/18/2018

ANSI/ASTM F1488-2017 (R2019), Specification for Coextruded Composite Pipe (reaffirmation of ANSI/ASTM F1488-2017): 3/5/2019

ANSI/ASTM F1496-2013 (R2019), Test Method for Performance of Convection Ovens (reaffirmation of ANSI/ASTM F1496-2013): 5/21/2019

ANSI/ASTM F1565-2000 (R2019), Specification for Pressure-Reducing Valves for Steam Service (reaffirmation of ANSI/ASTM F1565-2000 (R2013)): 5/21/2019

ANSI/ASTM F1567-1994 (R2019), Specification for Fabricated or Cast Automatic Self-Cleaning, Fuel Oil and Lubricating Oil Strainers (reaffirmation of ANSI/ASTM F1567-1994 (R2013)): 5/21/2019

ANSI/ASTM F1605-2014 (R2019), Test Method for Performance of Double-Sided Griddles (reaffirmation of ANSI/ASTM F1605-2014): 5/21/2019

ANSI/ASTM F1685-2000 (R2019), Specification for Pressure-Reducing Manifolds for Air or Nitrogen Systems (reaffirmation of ANSI/ASTM F1685-2000 (R2013)): 5/21/2019

ANSI/ASTM F1718-2001 (R2019), Specification for Rotary Positive Displacement Distillate Fuel Pumps (reaffirmation of ANSI/ASTM F1718-2001 (R2013)): 5/21/2019

ANSI/ASTM F1791-2000 (R2019), Specification for Filters Used in Air or Nitrogen Systems (reaffirmation of ANSI/ASTM F1791-2000 (R2013)): 5/21/2019

ANSI/ASTM F1795-2000 (R2019), Specification for Pressure-Reducing Valves for Air or Nitrogen Systems (reaffirmation of ANSI/ASTM F1795-2000 (R2013)): 5/21/2019

ANSI/ASTM F1836M-2015 (R2019), Specification for Stuffing Tubes, Nylon, and Packing Assemblies (Metric) (reaffirmation of ANSI/ASTM F1836M-2015): 5/21/2019

ANSI/ASTM F1964-2011 (R2019), Test Method for Performance of Pressure Fryers (reaffirmation of ANSI/ASTM F1964-2011): 5/21/2019

ANSI/ASTM F2014-2000 (R2019), Specification for Non-Reinforced Extruded Tee Connections for Piping Applications (reaffirmation of ANSI/ASTM F2014-2000 (R2013)): 5/21/2019

ANSI/ASTM F2015-2000 (R2019), Specification for Lap Joint Flange Pipe End Applications (reaffirmation of ANSI/ASTM F2015-2000 (R2013)): 5/21/2019

ANSI/ASTM F2022-2001 (R2019), Test Method for Performance of Booster Heaters (reaffirmation of ANSI/ASTM F2022-2001 (R2013)): 5/21/2019

ANSI/ASTM F2140-2011 (R2019), Test Method for Performance of Hot Food Holding Cabinets (reaffirmation of ANSI/ASTM F2140-2011): 5/21/2019

ANSI/ASTM F2141-2007 (R2019), Test Method for Performance of Self-Serve Hot Deli Cases (reaffirmation of ANSI/ASTM F2141-2007 (R2013)): 5/21/2019

ANSI/ASTM F2142-2001 (R2019), Test Method for Performance of Drawer Warmers (reaffirmation of ANSI/ASTM F2142-2001 (R2013)): 5/21/2019

ANSI/ASTM F2154-2013 (R2019), Specification for Sound-Absorbing Board, Fibrous Glass, Perforated Fibrous Glass Cloth Faced (reaffirmation of ANSI/ASTM F2154-2013): 5/21/2019

ANSI/ASTM F2324-2013 (R2019), Test Method for Prerinse Spray Valves (reaffirmation of ANSI/ASTM F2324-2013): 5/21/2019

ANSI/ASTM F2446-2010 (R2019), Classification for Hierarchy of Equipment Identifiers and Boundaries for Reliability, Availability, and Maintainability (RAM) Performance Data Exchange (reaffirmation of ANSI/ASTM F2446-2010): 12/18/2018

ANSI/ASTM F2649-2017 (R2019), Specification for Corrugated High Density Polyethylene (HDPE) Grease Interceptor Tanks (reaffirmation of ANSI/ASTM F2649-2017): 3/5/2019

ANSI/ASTM F2877/F2877M-2013 (R2019), Test Method for Shock Testing of Structural Insulation of A-Class Divisions Constructed of Steel or Aluminum (reaffirmation of ANSI/ASTM F2877/F2877M-2013): 5/21/2019

ANSI/ASTM F2976-2013 (R2019), Practice for Determining the Field Performance of Commercial Kitchen Demand Control Ventilation Systems (reaffirmation of ANSI/ASTM F2976-2013): 5/21/2019

ANSI/ASTM F3051-2014 (R2019), Test Method for Performance of Cook-and-Hold Ovens (reaffirmation of ANSI/ASTM F3051-2014): 5/21/2019

Revision

ANSI/ASTM D3241-2019, Test Method for Thermal Oxidation Stability of Aviation Turbine Fuels (revision of ANSI/ASTM D3241-2018): 3/1/2019

ANSI/ASTM D4054-2019, Practice for Evaluation of New Aviation Turbine Fuels and Fuel Additives (revision of ANSI/ASTM D4054-2017): 5/21/2019

ANSI/ASTM D6708-2019, Practice for Statistical Assessment and Improvement of Expected Agreement between Two Test Methods that Purport to Measure the Same Property of a Material (revision of ANSI/ASTM D6708-2018): 5/21/2019

ANSI/ASTM D7797-2019, Test Method for Determination of the Fatty Acid Methyl Esters Content of Aviation Turbine Fuel Using Flow Analysis by Fourier Transform Infrared Spectroscopy - Rapid Screening Method (revision of ANSI/ASTM D7797-2017): 12/18/2018

ANSI/ASTM D7826-2019, Guide for Evaluation of New Aviation Gasolines and New Aviation Gasoline Additives (revision of ANSI/ASTM D7826-2018A): 5/21/2019

ANSI/ASTM D7959-2019, Test Method for Chloride Content Determination of Aviation Turbine Fuels using Chloride Test Strip (revision of ANSI/ASTM D7959-2016): 5/21/2019

ANSI/ASTM E84-2019, Test Method for Surface Burning Characteristics of Building Materials (revision of ANSI/ASTM E84-2018): 3/1/2019

ANSI/ASTM E176-2019, Terminology of Fire Standards (revision of ANSI/ASTM E176-2018): 12/15/2018

ANSI/ASTM E235-2019, Specification for Type K and Type N Mineral-Insulated, Metal-Sheathed Thermocouples for Nuclear or for Other High-Reliability Applications (revision of ANSI/ASTM E235-2017 (R2018)): 5/21/2019

ANSI/ASTM E574-2019, Specification for Duplex, Base Metal Thermocouple Wire with Glass Fiber or Silica Fiber Insulation (revision of ANSI/ASTM E574-2017): 5/21/2019

ANSI/ASTM E608-2019, Specification for Mineral-Insulated, Metal-Sheathed Base Metal Thermocouples (revision of ANSI/ASTM E608-2017): 5/21/2019

ANSI/ASTM E662-2019, Test Method for Specific Optical Density of Smoke Generated by Solid Materials (revision of ANSI/ASTM E662-2017): 12/18/2018

ANSI/ASTM E1725-2019, Test Methods for Fire Tests of Fire-Resistive Barrier Systems for Electrical System Components (revision of ANSI/ASTM E1725-2014): 6/1/2019

ANSI/ASTM E2652-2019, Test Method for Behavior of Materials in a Tube Furnace with a Cone-Shaped Airflow Stabilizer, at 750C (revision of ANSI/ASTM E2652-2016): 12/15/2018

ANSI/ASTM E3048-2019, Test Method for Determination of Time to Burn-Through Using the Intermediate Scale Calorimeter (ICAL) Radiant Panel (revision of ANSI/ASTM E3048-2017): 3/1/2019

ANSI/ASTM F894-2019, Specification for Polyethylene (PE) Large Diameter Profile Wall Sewer and Drain Pipe (revision of ANSI/ASTM F894-2017): 3/5/2019

ANSI/ASTM F1021-2019, Specification for Feeders, Detergent, Rinse Agent, and Sanitizing Agent for Commercial Dishwashing and Glasswashing Machines (revision of ANSI/ASTM F1021-2007 (R2013)): 12/18/2018

ANSI/ASTM F2278-2019, Test Method for Evaluating Paintball Barrier Netting (revision of ANSI/ASTM F2278-2010a (R2014)): 3/5/2019

ANSI/ASTM F2337-2019, Test Method for Treestand Fall Arrest System (revision of ANSI/ASTM F2337-2018): 3/5/2019

ANSI/ASTM F2620-2019, Practice for Heat Fusion Joining of Polyethylene Pipe and Fittings (revision of ANSI/ASTM F2620-2017): 3/5/2019

AWS (American Welding Society)

Reaffirmation

ANSI/AWS F2.2-2001 (R2019), Lens Shade Selector (reaffirmation of ANSI/AWS F2.2-2001 (R2009)): 6/11/2019

AWWA (American Water Works Association)

Revision

ANSI/AWWA C714-2019, Cold Water Meters for Residential Fire Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes (revision of ANSI/AWWA C714-2013): 6/7/2019

ANSI/AWWA D103-2019, Factory Coated Bolted Carbon Steel Tanks for Water Storage (revision, redesignation and consolidation of ANSI/AWWA D103-2009, ANSI/AWWA D103a-2014): 6/11/2019

ANSI/AWWA D108-2019, Aluminum Dome Roofs for Water Storage Facilities (revision of ANSI/AWWA D108-2010): 6/11/2019

CSA (CSA America Standards Inc.)

Revision

ANSI/CSA Z21.11.2-2019, Standard for Gas-Fired Room Heaters, Volume II, Unvented Room Heaters (revision of ANSI Z21.11.2-2016): 6/7/2019

CTA (Consumer Technology Association)

New Standard

- * ANSI/CTA 2076-2019, Inclusive, Audio-based, Network Navigation Systems for All Persons including those Blind/Low Vision (new standard): 6/14/2019

HL7 (Health Level Seven)

Reaffirmation

ANSI/HL7 PRIVECLASSSYS, R1-2014 (R2019), HL7 Healthcare Privacy and Security Classification System, Release 1 (reaffirmation of ANSI/HL7 PRIVECLASSSYS, R1-2014): 6/7/2019

ANSI/HL7 V3PA PATREG, R1-2014 (R2019), HL7 Version 3 Standard: Patient Administration; Patient Registry, Release 1 (reaffirmation of ANSI/HL7 V3PA PATREG, R1-2014): 6/7/2019

ANSI/HL7 V3 PASS SECURITY LABELSRV, R1-2014 (R2019), HL7 Version 3 Standard: Privacy, Access and Security Services; Security Labeling Service, Release 1 (reaffirmation of ANSI/HL7 V3 PASS SECURITY LABELSRV, R1-2014): 6/7/2019

ANSI/HL7 V3 PM, R1-2005 (R2019), HL7 Version 3 Standard: Personnel Management, Release 1 (reaffirmation of ANSI/HL7 V3 PM, R1-2005 (R2014)): 6/7/2019

ANSI/HL7 V3 SC, R2-2014 (R2019), HL7 Version 3 Standard: Scheduling, Release 2 (reaffirmation of ANSI/HL7 V3 SC, R2-2014): 6/7/2019

IIAR (International Institute of Ammonia Refrigeration)

Addenda

ANSI/IIAR 2-2014 Addendum A-2019, Standard for the Safe Design of Closed-Circuit Ammonia Refrigeration Systems (addenda to ANSI/IIAR 2-2014): 6/5/2019

NEMA (ASC W1) (National Electrical Manufacturers Association)

New National Adoption

- * ANSI/IEC 60974-1-2019, Arc Welding Equipment - Part 1: Welding Power Sources (national adoption of IEC 60974-1, ed. 3 with modifications and revision of ANSI/IEC 60974-1-2008): 6/14/2019

ANSI/IEC 60974-6-2019, Arc Welding Equipment - Part 6: Limited Duty Equipment (national adoption with modifications of IEC 60974-6, ed. 2): 6/14/2019

The National Fire Protection Association announces the availability of NFPA Annual 2019 Second Draft Report for concurrent review and comment by NFPA and ANSI. The disposition of all comments

NFPA (National Fire Protection Association)

New Standard

ANSI/NFPA 1082-2020, Standard for Building Fire and Life Safety Director Professional Qualifications (new standard): 5/18/2019

ANSI/NFPA 1300-2020, Standard on Community Risk Assessment and Community Risk Reduction Plan Development (new standard): 5/18/2019

Revision

ANSI/NFPA 55-2020, Compressed Gases and Cryogenic Fluids Code (revision of ANSI/NFPA 55-2016): 5/18/2019

ANSI/NFPA 326-2020, Standard for the Safeguarding of Tanks and Containers for Entry, Cleaning, or Repair (revision of ANSI/NFPA 326-2015): 4/30/2019

ANSI/NFPA 329-2020, Recommended Practice for Handling Releases of Flammable and Combustible Liquids and Gases (revision of ANSI/NFPA 329-2015): 4/30/2019

ANSI/NFPA 405-2020, Standard for the Recurring Proficiency of Airport Fire Fighters (revision of ANSI/NFPA 405-2015): 5/18/2019

ANSI/NFPA 412-2020, Standard for Evaluating Aircraft Rescue and Fire-Fighting Foam Equipment (revision of ANSI/NFPA 412-2014): 5/18/2019

ANSI/NFPA 414-2020, Standard for Aircraft Rescue and Fire-Fighting Vehicles (revision of ANSI/NFPA 414-2017): 5/18/2019

ANSI/NFPA 556-2020, Guide on Methods for Evaluating Fire Hazard to Occupants of Passenger Road Vehicles (revision of ANSI/NFPA 556-2016): 5/18/2019

ANSI/NFPA 557-2020, Standard for Determination of Fire Loads for Use in Structural Fire Protection Design (revision of ANSI/NFPA 557-2016): 5/18/2019

ANSI/NFPA 780-2020, Standard for the Installation of Lightning Protection Systems (revision of ANSI/NFPA 780-2017): 5/18/2019

ANSI/NFPA 820-2020, Standard for Fire Protection in Wastewater Treatment and Collection Facilities (revision of ANSI/NFPA 820-2016): 5/18/2019

ANSI/NFPA 1071-2020, Standard for Emergency Vehicle Technician Professional Qualifications (revision of ANSI/NFPA 1071-2016): 4/30/2019

ANSI/NFPA 1452-2020, Guide for Training Fire Service Personnel to Conduct Community Risk Reduction (revision of ANSI/NFPA 1452-2015): 5/18/2019

ANSI/NFPA 1710-2020, Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Career Fire Departments (revision of ANSI/NFPA 1710-2016): 5/18/2019

ANSI/NFPA 1720-2020, Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations and Special Operations to the Public by Volunteer Fire Departments (revision of ANSI/NFPA 1720-2014): 5/18/2019

ANSI/NFPA 2113-2020, Standard on Selection, Care, Use, and Maintenance of Flame-Resistant Garments for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire (revision of ANSI/NFPA 2113-2016): 5/18/2019

NSF (NSF International)

Revision

ANSI/NSF 40-2019 (i34r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018): 6/4/2019

ANSI/NSF 50-2019 (i157r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2018): 6/10/2019

ANSI/NSF 170-2019 (i25r4), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2017): 6/2/2019

ANSI/NSF 245-2019 (i16r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2018): 6/4/2019

ANSI/NSF 350-2019 (i41r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2018): 6/7/2019

ANSI/NSF/CAN 61-2019 (i148r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2018): 6/12/2019

ANSI/NSF/CAN 61-2019 (i150r1), Drinking Water Systems Components - Health Effects (revision of ANSI/NSF 61-2018): 6/13/2019

ANSI/NSF/CAN 600-2019 (i4r1), Health Effects Evaluation and Criteria for Chemicals in Drinking Water (revision of ANSI/NSF/CAN 600-2018): 6/6/2019

SIA (Security Industry Association)

Revision

ANSI/SIA CP-01-2019, Security System Standard - Features for False Alarm Reduction (revision of ANSI/SIA CP-01-2014): 6/7/2019

TAPPI (Technical Association of the Pulp and Paper Industry)

Reaffirmation

ANSI/TAPPI T 230 om-2013 (R2019), Viscosity of pulp (capillary viscometer method) (reaffirmation of ANSI/TAPPI T 230 om-2013): 6/11/2019

ANSI/TAPPI T 282 om-2013 (R2019), Hexeneuronic acid content of chemical pulp (reaffirmation of ANSI/TAPPI T 282 om-2013): 6/11/2019

ANSI/TAPPI T 410 om-2013 (R2019), Grammage of paper and paperboard (weight per unit area) (reaffirmation of ANSI/TAPPI T 410 om-2013): 6/11/2019

ANSI/TAPPI T 496 sp-2013 (R2019), Specimen preparation for cross-directional internal tearing resistance for paper, paperboard and related materials (reaffirmation of ANSI/TAPPI T 496 sp-2013): 6/11/2019

ANSI/TAPPI T 812 om-2013 (R2019), Ply separation of solid and corrugated fiberboard (wet) (reaffirmation of ANSI/TAPPI T 812 om-2013): 6/11/2019

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

Revision

ANSI A137.1-2019, Standard Specifications for Ceramic Tile (revision of ANSI A137.1-2018): 6/14/2019

ANSI A137.2-2019, Standard Specification for Glass Tile (revision of ANSI A137.2-2018): 6/14/2019

UL (Underwriters Laboratories, Inc.)

Reaffirmation

ANSI/UL 1577-2015 (R2019), Standard for Safety for Optical Isolators (reaffirmation of ANSI/UL 1577-2015): 6/11/2019

Revision

ANSI/UL 87A-2019, Standard for Safety for Power-Operated Dispensing Devices for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (revision of ANSI/UL 87A-2018): 6/4/2019

ANSI/UL 87B-2019, Standard for Safety for Power-Operated Dispensing Devices for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 87B-2017): 6/4/2019

ANSI/UL 300-2019, Standard for Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment (revision of ANSI/UL 300-2014b): 6/10/2019

ANSI/UL 360-2019, Standard for Safety for Liquid-Tight Flexible Metal Conduit (revision of ANSI/UL 360-2018): 6/11/2019

ANSI/UL 621-2019, Standard for Safety for Ice Cream Makers (revision of ANSI/UL 621-2018): 6/4/2019

ANSI/UL 1026-2019, Standard for Safety for Household Electric Cooking and Food Serving Appliances (Proposal dated 3-29-19) (revision of ANSI/UL 1026-2018): 6/6/2019

Project Initiation Notification System (PINS)

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

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

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

AAFS (American Academy of Forensic Sciences)

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410 North 21st Street, Colorado Springs, CO 80904

New Standard

BSR/ASB BPR 049-201x, Best Practice Recommendation for Lifting of Footwear and Tire Impression Evidence (new standard)

Stakeholders: Footwear and tire examiners, forensic science training and education providers, prosecutors and defense attorneys, judges and juries, and researchers.

Project Need: This document sets forth best practices for lifting footwear and tire impression evidence. The document provides stakeholders an overview of best practice methods which ideally should be followed. The document can be a guide to forensic science trainees and their trainers and should also provide attorneys and the triers of fact a baseline on how to judge the methods of collection/preservation of footwear and tire evidence. At this time no consensus standard is available on this topic.

This document provides the best practice recommendations for personnel responsible for lifting footwear and tire impressions. The recommendations set forth in this document optimize the recovery of impressions. The procedures included in this document may not cover all aspects of lifting footwear or tire impressions. Deviations from this document may/may not preclude examination of recovered impressions. This document is not intended as a substitute for training in the lifting of footwear and tire-track evidence.

BSR/ASB BPR 050-201x, Best Practice Recommendation for Photographic Documentation of Footwear and Tire Impression Evidence (new standard)

Stakeholders: Footwear and tire examiners, forensic science training and education providers, prosecutors and defense attorneys, judges and juries, and researchers.

Project Need: This document sets forth best practices for photographic documentation of footwear and tire impression evidence. The document provides stakeholders an overview of best practice methods which ideally should be followed. The document can be a guide to forensic science trainees and their trainers and should also provide attorneys and the triers of fact a baseline on how to judge the photography methods of footwear and tire evidence. At this time no consensus standard is available on this topic.

This document provides the best practice recommendations for personnel responsible for documenting and photographing footwear and tire impressions for future examinations. Deviations from this document may/may not preclude examination of captured images. The procedures included in this document may not cover all aspects of footwear and tire photography. This document is not intended as a substitute for training in the documentation and photography of footwear and tire-track evidence.

ATIS (Alliance for Telecommunications Industry Solutions)

Contact: Drew Greco, (516) 796-6087, dgreco@atis.org
1200 G Street NW, Suite 500, Washington, DC 20005

Revision

BSR/ATIS 0600010.01-201x, Temperature, Humidity, Altitude, and Salt Fog Requirements for Network Telecommunications Equipment Utilized in Outside Plant Environments (revision of ANSI/ATIS 0600010.01-2017)

Stakeholders: Communications industry.

Project Need: There is a need to update this standard.

This standard covers the minimum temperature, humidity, altitude, and salt fog criteria for telecommunications network equipment to be installed and utilized by service providers in Outside Plant (OSP) environments. These environments include those in OSP cabinet enclosure, pedestals, etc.

BSR/ATIS 0600010-201x, Temperature, Humidity, and Altitude Requirements for Network Telecommunications Equipment Utilized in Controlled Environmental Spaces (revision of ANSI ATIS 0600010-2014)

Stakeholders: Communications industry.

Project Need: There is a need to update this standard.

This standard covers the minimum temperature, humidity, and altitude criteria for telecommunications network equipment to be installed and utilized by service providers in controlled environmental spaces (e.g., Carrier Communication Spaces, COs, MTSOs, Huts, CEVs, and customer premises). It describes test methodologies and test report criteria necessary for proper evaluation by interested parties, and those intending to deploy equipment in such environments. The expectation is that equipment will continue to function properly and without any unexpected degradation of performance when placed in the temperature and humidity controlled environmental spaces defined in the standard. Equipment is also expected to function properly after exposure to other environmental stresses, such as experienced in high-altitude applications and during storage and transportation.

FCI (Fluid Controls Institute)

Contact: *Leslie Schraff, (216) 241-7333, fci@fluidcontrolsinstitute.org*
1300 Sumner Avenue, Cleveland, OH 44115

Reaffirmation

BSR/FCI 15-1-2015 (R201x), Standard for Production Testing of Pressure Regulators (reaffirmation of ANSI/FCI 15-1-2015)

Stakeholders: Manufacturers, specifiers, inspectors and users of pressure regulators.

Project Need: This standard establishes minimum guidelines for production testing of pressure regulators for use by manufacturers, specifiers, inspectors, and users to ensure testing of atmospheric leak tightness and seat leakage are completed at the factory before shipment.

This standard provides guidelines for documenting minimum production tests and determining pass/fail criteria for pressure regulators undergoing production tests in a manufacturing facility. It applies to most designs including self- and pilot-operated pressure-reducing regulators, differential pressure regulators, pressure-loaded regulators, and regulators with or without internal relief valves.

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

Contact: *Kyle Thompson, (909) 230-5534, standards@iapmostandards.org*
5001 East Philadelphia Street, Ontario, CA 91761

New Standard

BSR/IAPMO Z1322-201x, Alkaline Water - Drinking Water Treatment Units (new standard)

Stakeholders: Manufacturers, users, inspectors, distributors, designers, and contractors.

Project Need: Needed for testing and certification purposes.

This Standard covers alkaline water – drinking water treatment units intended for use in residential, commercial, and food service applications and specifies requirements for materials, performance tests, and markings. Alkaline water – drinking water treatment covered by this standard increases alkalinity in potable water using a continuous-flow-type electrolytic water generator and can include the following types: (a) electrolytic water generators, with internal power supply equipment for continuous flow and (b) electrolytic water generators intended to increase alkalinity in potable water.

NECA (National Electrical Contractors Association)

Contact: *Aga Golriz, (301) 215-4549, Aga.golriz@necanet.org*
3 Bethesda Metro Center, Suite 1100, Bethesda, MD 20814

New Standard

BSR/NECA 702-201x, Recommended Practice for Maintaining Power Quality of Electrical Power Distribution Systems (new standard)

Stakeholders: Electrical contractors, specifiers, electrical workers, inspectors, building owners, maintenance engineers.

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "neat and workmanlike" manner.

This publication describes recommended practices for identifying possible causes of electrical equipment mis-operation due to poor power quality, and methods of improving overall system power quality and equipment operation.

Revision

BSR/NECA 402-201x, Standard for Installing and Maintaining Motor Control Centers (revision of ANSI/NECA 402-2014)

Stakeholders: Electrical contractors, specifiers, electrical workers, inspectors, building owners, maintenance engineers.

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "neat and workmanlike" manner.

This standard describes the installation and maintenance for low-voltage motor control centers (MCCs) rated 600 VAC or less with a horizontal bus rating of 2,500 amperes or less.

NEMA (ASC C136) (National Electrical Manufacturers Association)

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Revision

BSR C136.30-201X, Standards for Roadway and Area Lighting Equipment - Pole Vibration (revision of ANSI C136.30-2015)

Stakeholders: Manufacturers, users, and specifiers for roadway and area lighting equipment.

Project Need: In order to improve the informative scope of this standard, the committee will add a pole type and dimensional guide along with fixture EPA and geographical wind data to help end-users determine their need for vibration dampening device in their pole.

This guide covers the minimum vibration withstand requirements and testing procedures for poles used in roadway and area lighting. The guide is intended for poles of 50-ft mounting height and under.

NEMA (ASC C8) (National Electrical Manufacturers Association)

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1300 North 17th Street, Rosslyn, VA 22209

Revision

BSR ICEA S-120-742-201x, Hybrid Optical Fiber and Power Cable for Use in Limited Power Circuits (revision of ANSI/ICEA S-120-742-2016)

Stakeholders: Parties interested in fiber insulated cable.

Project Need: This Standard covers performance requirements for limited power hybrid copper and fiber communications cables intended for use in the buildings, or for short distances external to the building of communications users.

This Standard covers performance requirements for limited power hybrid copper and fiber communications cables intended for use in the buildings, or for short distances external to the building of communications users. The optical fiber is intended for communications use while the copper conductors are intended for limited power applications in accordance with Articles 725 and 800 of the National Electric Code (NEC) ANSI/NFPA 70.

UL (Underwriters Laboratories, Inc.)

Contact: Alan McGrath, (847) 664-3038, alan.t.mcgrath@ul.com
333 Pfingsten Road, Northbrook, IL 60062-2096

New Standard

BSR/UL 244B-201x, Standard for Cord-Connected Controls with Standard NEMA Plugs and Receptacles, Direct Plug-In Controls, and Controls Intended to be Mounted in Wiring Boxes (new standard)

Stakeholders: Manufacturers, users, AHJs, and the like who develop, manufacture, and work with cord-connected controls with standard NEMA plugs and receptacles, direct plug-in controls, and controls intended to be mounted in wiring boxes.

Project Need: With the transition to the UL 60730 series of electrical controls standards, a standards gap exists for products specifically designed and intended for sale and installation in North America (only). This equipment is intended to be installed in accordance with the National Electrical Code, NFPA 70 and other relevant building codes. Examples of such products are cord-connected controls with standard NEMA plugs and receptacles, direct plug-in controls, and controls intended to be mounted in wiring boxes.

These requirements cover electrical controls that are complete in construction and designed specifically for installation in North America. These products are intended to be installed within the guidelines and requirements of the National Electrical Code, NFPA 70, and other relevant building codes. Products such as cord-connected controls with standard NEMA plugs and receptacles, direct plug-in controls and controls intended to be mounted in wiring boxes are covered under the scope of this standard. For a control covered by this outline, it is assumed that: (a) No voltage greater than 600 V above ground will be present in a control, (b) An isolation transformer, if provided, will generally furnish power at a lower potential than the primary voltage, and (c) The output of the control will not be located in a circuit operating at greater than 600 V above ground in the end-use product. A control covered by this outline is a single device or a series of separate components with interconnecting wiring employing one or more input power and possibly signal ports, solid-state circuitry, and one or more output switching components to directly control all of the loads. The maximum number of integrated controlled outlets on the control shall not exceed four and the maximum total current draw of the control shall not exceed 85% of the branch circuit protection rating. These requirements also cover controls intended for connection only to a low-voltage circuit of limited power supplied by a primary battery or by a Class 2 transformer, where a failure of a component within the control would result a risk of fire, electric shock, or injury to persons.

American National Standards Maintained Under Continuous Maintenance

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

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

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

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

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

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

ANSI-Accredited Standards Developers Contact Information

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

<p>AAFS American Academy of Forensic Sciences 410 North 21st Street Colorado Springs, CO 80904 Phone: (719) 453-1036 Web: www.aafs.org</p>	<p>ASTM ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9696 Web: www.astm.org</p>	<p>IAPMO (Z) International Association of Plumbing & Mechanical Officials 5001 East Philadelphia Street Ontario, CA 91761 Phone: (909) 230-5534 Web: www.iapmort.org</p>	<p>NSF NSF International 789 N. Dixboro Road Ann Arbor, MI 48105-9723 Phone: (734) 827-5643 Web: www.nsf.org</p>
<p>AIAA American Institute of Aeronautics and Astronautics 12700 Sunrise Valley Drive, Suite 200 Reston, VA 20191-5807 Phone: (703) 264-7546 Web: www.aiaa.org</p>	<p>ATIS Alliance for Telecommunications Industry Solutions 1200 G Street NW Suite 500 Washington, DC 20005 Phone: (516) 796-6087 Web: www.atis.org</p>	<p>IENT Institute of Environmental Sciences and Technology 1827 Walden Office Square Suite 400 Schaumburg, IL 60173 Phone: (847) 981-0100 Web: www.ient.org</p>	<p>RESNET Residential Energy Services Network, Inc. 4867 Patina Court Oceanside, CA 92057 Phone: (760) 408-5860 Web: www.resnet.us.com</p>
<p>ANS American Nuclear Society 555 North Kensington Avenue La Grange Park, IL 60526-5592 Phone: (708) 579-8269 Web: www.ans.org</p>	<p>AWS American Welding Society 8669 Doral Blvd Suite 130 Doral, FL 33166 Phone: (305) 443-9353 Web: www.aws.org</p>	<p>IIAR International Institute of Ammonia Refrigeration 1001 North Fairfax Street Alexandria, VA 22314 Phone: (703) 312-4200 Web: www.iiar.org</p>	<p>SCTE Society of Cable Telecommunications Engineers 140 Philips Rd Exton, PA 19341 Phone: (800) 542-5040 Web: www.scte.org</p>
<p>APCO Association of Public-Safety Communications Officials-International 351 N. Williamson Boulevard Daytona Beach, FL 32114 Phone: (920) 579-1153 Web: www.apcolntl.org</p>	<p>AWWA American Water Works Association 6666 W. Quincy Ave. Denver, CO 80235 Phone: (303) 347-6178 Web: www.awwa.org</p>	<p>NECA National Electrical Contractors Association 3 Bethesda Metro Center Suite 1100 Bethesda, MD 20814 Phone: (301) 215-4549 Web: www.neca-neis.org</p>	<p>SIA Security Industry Association 8405 Colesville Road Suite 500 Silver Spring, MD 20910 Phone: (301) 804-4709 Web: www.siaonline.org</p>
<p>ASC X9 Accredited Standards Committee X9, Incorporated 275 West Street Suite 107 Annapolis, MD 21401 Phone: (410) 267-7707 Web: www.x9.org</p>	<p>B11 B11 Standards, Inc. PO Box 690905 Houston, TX 77269-0905 Phone: (832) 446-6999</p>	<p>NEMA (ASC C136) National Electrical Manufacturers Association 1300 North 17th Street Suite 900 Rosslyn, VA 22209 Phone: (703) 841-3234 Web: www.nema.org</p>	<p>TAPPI Technical Association of the Pulp and Paper Industry 15 Technology Parkway South Suite 115 Peachtree Corners, GA 30092 Phone: (770) 209-7249 Web: www.tappi.org</p>
<p>ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle, NE Atlanta, GA 30329 Phone: (404) 636-8400 Web: www.ashrae.org</p>	<p>CSA CSA America Standards Inc. 8501 E. Pleasant Valley Road Cleveland, OH 44131 Phone: (216) 524-4990 Web: www.csagroup.org</p>	<p>NEMA (ASC C8) National Electrical Manufacturers Association 1300 North 17th Street Rosslyn, VA 22209 Phone: (703) 841-3278 Web: www.nema.org</p>	<p>TCNA (ASC A108) Tile Council of North America 100 Clemson Research Blvd. Anderson, SC 29625 Phone: (864) 646-8453 Web: www.tcnatile.com</p>
<p>ASME American Society of Mechanical Engineers Two Park Avenue New York, NY 10016-5990 Phone: (212) 591-8521 Web: www.asme.org</p>	<p>CTA Consumer Technology Association 1919 South Eads Street Arlington, VA 22202 Phone: (703) 907-7697 Web: www.cta.tech</p>	<p>NEMA (ASC W1) National Electrical Manufacturers Association 1300 North 17th Street Rosslyn, VA 22209 Phone: (703) 841-3278 Web: www.nema.org</p>	<p>UL Underwriters Laboratories, Inc. 333 Pfingsten Road Northbrook, IL 60062-2096 Phone: (847) 664-3038 Web: www.ul.com</p>
<p>ASSP (Safety) American Society of Safety Professionals 520 N. Northwest Highway Park Ridge, IL 60068 Phone: (847) 768-3411 Web: www.assp.org</p>	<p>HL7 Health Level Seven 3300 Washtenaw Avenue Suite 227 Ann Arbor, MI 48104 Phone: (734) 677-7777 Web: www.hl7.org</p>	<p>NFPA National Fire Protection Association One Batterymarch Park Quincy, MA 02269-9101 Phone: (617) 984-7248 Web: www.nfpa.org</p>	



ISO & IEC Draft International Standards

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

Comments

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

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

Ordering Instructions

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

ISO Standards

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

ISO/DIS 23372, Respiratory therapy equipment - Air entrainment devices - 7/8/2019, \$46.00

CONTROL AND SAFETY DEVICES FOR NON INDUSTRIAL GAS-FIRED APPLIANCES AND SYSTEMS (TC 161)

ISO/DIS 23551-5, Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 5: Manual gas valves - 8/31/2019, \$102.00

CORROSION OF METALS AND ALLOYS (TC 156)

ISO/DIS 11463, Corrosion of metals and alloys - Evaluation of pitting corrosion - 7/7/2019, \$62.00

DENTISTRY (TC 106)

ISO/DIS 28399, Dentistry - Products for external tooth bleaching - 7/8/2019, \$82.00

ISO/DIS 7787-2, Dentistry - Laboratory cutters - Part 2: Carbide laboratory cutters - 7/8/2019, \$53.00

FIRE SAFETY (TC 92)

ISO/DIS 22899-1, Determination of the resistance to jet fires of passive fire protection materials - Part 1: General requirements - 8/31/2019, \$112.00

GRAPHICAL SYMBOLS (TC 145)

ISO/DIS 20560-1, Safety information for the content of piping systems and tanks - Part 1: Piping systems - 8/31/2019, \$77.00

INDUSTRIAL TRUCKS (TC 110)

ISO/DIS 22915-13, Industrial trucks - Verification of stability - Part 13: Rough-terrain trucks with mast - 9/2/2019, \$40.00

INFORMATION AND DOCUMENTATION (TC 46)

ISO/DIS 3166-1, Codes for the representation of names of countries and their subdivisions - Part 1: Country code - 9/2/2019, \$93.00

ISO/DIS 3166-2, Codes for the representation of names of countries and their subdivisions - Part 2: Country subdivision code - 9/2/2019, \$67.00

ISO/DIS 3166-3, Codes for the representation of names of countries and their subdivisions - Part 3: Code for formerly used names of countries - 9/2/2019, \$46.00

MATERIALS, EQUIPMENT AND OFFSHORE STRUCTURES FOR PETROLEUM AND NATURAL GAS INDUSTRIES (TC 67)

ISO/DIS 27509, Petroleum and natural gas industries - Compact flanged connections with IX seal ring - 7/8/2019, \$165.00

ISO/DIS 10426-2, Petroleum and natural gas industries - Cements and materials for well cementing - Part 2: Testing of well cements - 11/11/2005, \$33.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO/DIS 5348, Mechanical vibration and shock - Mechanical mounting of accelerometers - 7/8/2019, \$77.00

NANOTECHNOLOGIES (TC 229)

ISO/DIS 17200, Nanotechnology - Nanoparticles in powder form - Characteristics and measurements - 7/8/2019, \$46.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 12749-1, Nuclear energy - Vocabulary - Part 1: General terminology - 7/6/2019, \$82.00

ISO/ASTM DIS 52628, Standard practice for dosimetry in radiation processing - 7/6/2019, \$67.00

OTHER

ISO/DIS 17131, Leather - Identification of leather with microscopy - 7/8/2019, \$71.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 3839/DAMd1, Petroleum products - Determination of bromine number of distillates and aliphatic olefins - Electrometric method - Amendment 1 - 9/6/2019, \$29.00

PLASTICS (TC 61)

ISO/DIS 10119, Carbon fibre - Determination of density - 7/8/2019, \$62.00

ISO/DIS 22838, Composites and reinforcements fibres - Determination of the fracture toughness of bonded plates of carbon fibre reinforced plastics (CFRPs) and metal using double cantilever beam specimens - 7/8/2019, \$77.00

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

ISO/DIS 23856, Plastics piping systems for pressure and non-pressure water supply, drainage or sewerage - Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin - 7/7/2019, \$125.00

ISO/DIS 6259-2, Thermoplastics pipes - Determination of tensile properties - Part 2: Pipes made of unplasticized poly(vinyl chloride) (PVC-U), oriented unplasticized poly(vinyl chloride) (PVC-O), chlorinated poly(vinyl chloride) (PVC-C) and high-impact poly(vinyl chloride) (PVC-HI) - 8/31/2019, \$58.00

ISO/DIS 11298-4, Plastics piping systems for renovation of underground water supply networks - Part 4: Lining with cured-in-place pipes - 7/6/2019, \$107.00

ROAD VEHICLES (TC 22)

ISO/DIS 2534, Road vehicles - Engine test code - Gross power - 8/29/2019, \$98.00

SCREW THREADS (TC 1)

ISO/DIS 2904, ISO metric trapezoidal screw threads - Basic dimensions - 9/6/2019, \$46.00

SMALL CRAFT (TC 188)

ISO/DIS 9093, Small craft - Seacocks and through-hull fittings - 7/8/2019, \$58.00

SOLID BIOFUELS (TC 238)

ISO/DIS 20049-1, Solid biofuels - Determination of self-heating of pelletized biofuels - Part 1: Isothermal calorimetry - 7/8/2019, \$88.00

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

ISO/DIS 15883-5, Washer disinfectors - Part 5: Performance requirements and test method criteria for demonstrating cleaning efficacy - 7/4/2019, \$112.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 22418, Intelligent transport systems - Fast service announcement protocol (FSAP) for general purposes in ITS - 9/6/2019, \$125.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 10373-6/DAMd2, Identification cards - Test methods - Part 6: Proximity cards - Amendment 2: Extension of PICC and PCD test methods - 12/28/2040, \$53.00

ISO/IEC 14443-3/DAMd2, Cards and security devices for personal identification - Contactless proximity objects - Part 3: Initialization and anticollision - Amendment 2: Dynamic power level management - 11/3/2020, \$29.00

ISO/IEC 14443-4/DAMd2, Cards and security devices for personal identification - Contactless proximity objects - Part 4: Transmission protocol - Amendment 2: S(PARAMETERS) clarification - 7/8/2019, \$29.00

IEC Standards

9/2518/NP, PNW 9-2518: Railway applications - Fixed installations - Electronic Power Converters - Part 1: General requirements, 019/9/6/

21/1004/CDV, IEC 62485-6 ED1: Safety requirements for secondary batteries and battery installations - Part 6: Safe operation of lithium-ion batteries in traction applications, 019/9/6/

21/1005/CDV, IEC 62485-5 ED1: Safety requirements for secondary batteries and battery installations - Part 5: Safe operation of stationary lithium-ion batteries, 019/9/6/

21A/705/CD, IEC 62619 ED2: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries, for use in industrial applications, 019/8/9/

23B/1281/CDV, IEC 63180 ED1: Methodology for determining the functionality of detectors - Part 1: Passive infra-red detectors for presence and motion detection, 019/9/6/

29/1025/FDIS, IEC 60118-9 ED2: Electroacoustics - Hearing aids - Part 9: Methods of measurement of the performance characteristics of bone conduction hearing aids, 2019/7/26

29/1023/FDIS, IEC 60601-2-66 ED3: Medical electrical equipment - Part 2-66: Particular requirements for the basic safety and essential performance of hearing aids and hearing aid systems, 2019/7/26

29/1024/FDIS, IEC 60118-13 ED5: Electroacoustics - Hearing aids - Part 13: Requirements and methods of measurement for electromagnetic immunity to mobile digital wireless devices, 2019/7/26

34A/2139/CD, IEC 62868-2-3 ED1: Organic Light Emitting Diode (OLED) for general lighting - Safety - Part 2-3: Particular requirements for flexible OLED tiles and panels, 019/9/6/

45A/1279/FDIS, IEC 62859/AMD1 ED1: Amendment 1 - Nuclear power plants - Instrumentation and control systems - Requirements for coordinating safety and cybersecurity, 2019/7/26

47/2570/CDV, IEC 62373-1 ED1: Semiconductor devices - Bias-temperature stability test for metal-oxide, semiconductor, field-effect transistors (MOSFET) - Part 1: Fast BTI Test for MOSFET, 019/9/6/

47A/1080/CD, IEC 62228-7 ED1: Integrated circuits - EMC evaluation of transceivers - Part 7: CXPI transceivers, 019/9/6/

47E/661/CD, IEC 60747-5-13 ED1: Semiconductor devices - Part 5-13: Optoelectronic devices - Hydrogen sulphide corrosion test for LED packages, 019/8/9/

48D/700/CDV, IEC 62610-6 ED1: Mechanical structures for electrical and electronic equipment - Thermal management for cabinets in accordance with IEC 60297 and IEC 60917 Series - Part 6: Air recirculation and bypass of indoor cabinets, 019/9/6/

55/1775/CDV, IEC 60317-0-6 ED2: Specifications for particular types of winding wires - Part 0-6: General requirements - Glass-fibre wound resin or varnish impregnated, bare or enamelled round copper wire, 019/9/6/

55/1790/FDIS, IEC 60317-80 ED1: Specifications for particular types of winding wires - Part 80: Polyvinyl acetal enamelled rectangular copper wire, class 120, with a bonding layer, 2019/7/26

57/2102A/FDIS, Revised - IEC 61850-7-4/AMD1 ED2: Amendment 1 - Communication networks and systems for power utility automation - Part 7-4: Basic communication structure - Compatible logical node classes and data object classes, 2019/7/26

62B/1137/FDIS, IEC 60601-2-43/AMD2 ED2: Amendment 2 - Medical electrical equipment - Part 2-43: Particular requirements for the basic safety and essential performance of X-ray equipment for interventional procedures, 2019/7/26

62D/1694/CD, ISO 80601-2-85 ED1: Medical electrical equipment - Part 2-85: Particular requirements for the basic safety and essential performance of cerebral tissue oximeter equipment (t-NIRS), 2019/10/4

77A/1028/CDV, IEC 61000-3-2/AMD1/FRAG1 ED5: Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase), 019/9/6/

86B/4217/CD, IEC 61753-1/AMD1 ED2: Fibre optic interconnecting devices and passive components - Performance standard - Part 1: General and guidance, 019/9/6/

- 86B/4206/CDV, IEC 61753-061-2 ED2: Fibre optic interconnecting devices and passive components - Performance standard - Part 061-2: Single-mode fibre optic pigtailed style polarization independent isolators for category C - Controlled environments, 019/9/6/
- 86B/4207/CDV, IEC 61977 ED4: Fibre optic interconnecting devices and passive components - Fibre optic fixed filters - Generic specification, 019/9/6/
- 86C/1604/DTR, IEC TR 62343-6-11 ED1: Dynamic Modules - Part 6-11: Design guideline - Software and hardware interface for multicast optical switches, 019/8/9/
- 90/435/CDV, IEC 61788-26 ED1: Superconductivity - Part 26: Critical current measurement - DC critical current of RE-Ba-Cu-O composite superconductors, 019/9/6/
- 91/1584/CD, IEC 60068-2-21 ED7: Environmental testing - Part 2-21: Tests - Test U: Robustness of terminations and integral mounting devices, 019/9/6/
- 97/203/NP, PNW 97-203: Electrical installation for lighting and beaconing of aerodromes - Mobile photometric in-field measurement of precision approach and runway light fixtures, 019/9/6/
- 100/3242/CDV, IEC 63181-2 ED1: LCD multi-screen display terminals - Part 2: Measuring methods, 019/9/6/
- 100/3266/CD, IEC 63246-1 ED1: Configurable Car Infotainment Service (CCIS): Part 1 - General, 019/9/6/
- 110/1097/CDV, IEC 62906-5-6 ED1: Laser displays - Part 5-6: Measuring methods for optical performance of projection screens, 019/9/6/
- 110/1112/NP, PNW 110-1112: Future IEC 62977-3-7: Electronic displays - Part 3-7: Evaluation of optical performances - Tone characteristics, 019/8/9/
- 113/477/DTS, IEC TS 62607-5-3: Nanomanufacturing - Key control characteristics - Part 5-3: Thin-film organic/nano electronic devices - Measurements of charge carrier concentration, 019/9/6/
- 121A/308/CD, IEC 60947-6-1 ED3: Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment, 019/9/6/
- CIS/A/1299/CD, CISPR 16-1-4/AMD1/FRAG2 ED4: Amendment 1/Fragment 2 - Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Antennas and test sites for radiated disturbance measurements, 019/9/6/
- CIS/A/1298/DTR, CISPR TR 16-3 ED4: Specification for radio disturbance and immunity measuring apparatus and methods - Part 3: CISPR technical reports, 019/8/9/
- CIS/H/396/NP, PNW CIS/H-396: Specification for radio disturbance and immunity measuring apparatus and methods - Statistics of complaints, 019/9/6/
- SyCSmartEnergy/109/CD, IEC TS 63199 ED1: Top priority Standards development status in the domain of Smart Energy, 019/8/9/



Newly Published ISO Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization. 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>).

GAS CYLINDERS (TC 58)

ISO 14456/Amd1:2019, Gas cylinders - Gas properties and associated classification (FTSC) codes - Amendment 1, \$19.00

MATERIALS, EQUIPMENT AND OFFSHORE STRUCTURES FOR PETROLEUM AND NATURAL GAS INDUSTRIES (TC 67)

ISO 19900:2019, Petroleum and natural gas industries - General requirements for offshore structures, \$209.00

OTHER

ISO/CIE 11664-1:2019, Colorimetry - Part 1: CIE standard colorimetric observers, \$162.00

ISO/CIE 11664-3:2019, Colorimetry - Part 3: CIE tristimulus values, \$68.00

ROUND STEEL LINK CHAINS, CHAIN SLINGS, COMPONENTS AND ACCESSORIES (TC 111)

ISO 4778:2019, Round steel short link chains for lifting purposes - Chain slings of welded construction - Grade 8, \$138.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 21131:2019, Ships and marine technology - Marine cranes - Noise limits and measuring method, \$45.00

SOLID MINERAL FUELS (TC 27)

ISO 10752:2019, Coal sizing equipment - Performance evaluation, \$185.00

TEXTILES (TC 38)

ISO 21326:2019, Textiles - Test methods for determining the efficiency of products against house dust mite, \$162.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 10646/Amd2:2019, Information technology - Universal Coded Character Set (UCS) - Amendment 2: Nandinagari, Georgian extension, and other characters, \$232.00

Registration of Organization Names in the United States

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

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

PUBLIC REVIEW

BDAP

Public Review: March 29, 2019 to June 29, 2019

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

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

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI Accredited Standards Developers

Approval of Reaccreditation

Leonardo Academy (LEO)

The reaccreditation of Leonardo Academy (LEO), an ANSI member and Accredited Standards Developer (ASD), has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on LEO-sponsored American National Standards, effective June 19, 2019. For additional information, please contact: Mr. Michael Army, PE, MSME, LEED Fellow, LEED AP O+M, LEED AP BD+C, WELL AP, President and Director of Sustainability Services, Leonardo Academy, Inc., P.O. Box 5425, Madison, WI 53711; phone: 608.280.0255; e-mail: michaelarmy@leonardoacademy.org.

International Organization for Standardization (ISO)

ISO New Work Item Proposal

Design and Safety Requirements for Sex Toys

Comment Deadline: June 28, 2019

SIS, the ISO member body for Sweden, has submitted to ISO a new work item proposal for the development of an ISO standard on design and safety requirements for sex toys, with the following scope statement:

This document specifies safety and user information requirements relating to the materials and design for products intended for sexual use.

This document covers only products that are intended to come in direct contact with genitals and/or the anus.

This document is not primarily intended for products classified as medical devices or assistive products.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 28.

ISO Proposal for a New Field of ISO Technical Activity

Audit Data Services

Comment Deadline: June 28, 2019

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on audit data services, with the following scope statement:

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.
4. Meta-standards of electronic data interchange covered by ISO/TC 154.
5. Quality management and quality assurance covered by ISO/TC 176.

Please note that this proposal is to convert ISO Project Committee 295 on audit data services into a technical committee with an extended work program.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 28.

Laboratory design

Comment Deadline: June 28, 2019

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on Laboratory design, with the following scope statement:

Standardization in the field of laboratory design including site selection and design planning, the functional division of experimental areas, the determination of scientific and technological processes, layouts and design of furniture, and the scientific design of the facility taking into account environmental conditions and impact.

Excluded:

- IEC/T 64 (Electrical installations and protection against electric shock);
- IEC/TC 81 (Lightning protection);
- IEC/TC 66 (Safety of measuring, control and laboratory equipment);
- IEC/TC 85 (Measuring equipment for electrical and electromagnetic quantities).

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 28.

Sustainable processes for wood

Comment Deadline: June 28, 2019

ABNT, the ISO member body for Brazil, has submitted to ISO a proposal for a new field of ISO technical activity on Sustainable processes for wood, with the following scope statement:

Standardization in the field of the wood and wood-based industries, including but not limited to sustainability and renewability aspects, chain of custody, timber tracking and timber measurement, across the entire supply chain from biomass production to the finished wood and wood-based products.

Excluded: those applications covered by ISO/TC 6 "Paper, board and pulps"; ISO/TC 89 "Wood-based panels"; ISO/TC 165 "Timber structures"; ISO/TC 218 "Timber"; and ISO/TC 207 "Environmental management".

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 28.

Meeting Notices

Meeting for Accredited Standards Committee (ASC) B109 Standards B109.1, B109.2, B109.3, and B109.4

Meeting Date: Monday, September 23, 2019- 8:00 AM – 4:00 PM CST

Meeting Location: Peppermill Reno, 2707 S. Virginia St., Reno, Nevada 89502--(Teleconference information available upon request)

Purpose: This is the annual ANSI B109 meeting. Updates will be given for each of the B109 standards.

Please register on line at www.aga.org. For more information contact Jeff Meyers, jmeyers@aga.org.

ANSI Z9 Committee for Ventilation Systems

The American Society of Safety Professionals (ASSP) serves as the secretariat of the ANSI Z9 Committee for Ventilation Systems.

The next meeting of the Z9 Committee will take place on August 8, 2019 via a conference call. Those interested in participating can contact ASSP for additional information at OMunteanu@assp.org.

ANSI Z390 Committee for Accepted Practices for Hydrogen Sulfide (H₂S) Training Programs

The American Society of Safety Professionals (ASSP) serves as the secretariat of the ANSI Z390 Committee for Accepted Practices for Hydrogen Sulfide (H₂S) Training Programs.

The next meeting of the Z390 Committee will take place on July 30, 2019. Those interested in participating can contact ASSP for additional information at OMunteanu@assp.org.

Information Concerning International Organization for Standardization (ISO)

Call for U.S. TAG Administrators TC 20 Subcommittees – *Aircraft and space vehicles*

There is currently no ANSI-accredited U.S. TAG Administrator for TC 20/SC 1, TC 20/SC 4, TC 20/SC 6, TC 20/SC 8, and TC 20/SC 18, and therefore ANSI is not a member of these committees.

The Secretariats for these committees are currently held by China (SAC) for TC 20/SC 1; Germany (DIN) for TC 20/SC 4; Russia (GOST R) for TC 20/SC 6 and TC 20/SC 8; and France (AFNOR) for TC 20/SC 18.

TC 20/SC 1 operates under the following scope:

Aerospace electrical requirements

TC 20/SC 4 operates under the following scope:

Aerospace fastener systems

TC 20/SC 6 operates under the following scope:

Standard atmosphere

TC 20/SC 8 operates under the following scope:

Aerospace terminology

TC 20/SC 18 operates under the following scope:

Standardization of materials and related processes (e.g.: surface treatment/coating, defects in composites...) used by aircraft and engine manufacturers,

- *Excluded materials: ISO/TC 35 Paints and varnishes, ISO/TC 17 Steel, ISO/TC 25 Cast irons and pig irons, ISO/TC 26 Copper and copper alloys, ISO/TC 45 Rubber and rubber products, ISO/TC 79 Light metals and their alloys, ISO/TC 155 Nickel and nickel alloys, ISO/TC 206 Fine ceramics...*
- *Excluded processes: ISO/TC 44/WG 4 Welding and brazing in aerospace, ISO/TC 107 Metallic and other inorganic coatings, ISO/TC 156 Corrosion of metals and alloys, ISO/TC 244 Industrial furnaces and associated processing equipment, ISO/TC 261 Additive manufacturing.*

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



American National Standards (ANS) – Where to find Procedures, Guidance, Interpretations and More...

Please visit ANSI's website (www.ansi.org) for resources that will help you to understand, administer and participate in the American National Standards (ANS) process. Documents posted at these links are updated periodically as new documents and guidance are developed, whenever ANS-related procedures are revised, and routinely with respect to lists of proposed and approved ANS. The main ANS-related link is www.ansi.org/asd and here are some direct links as well as highlights of information that is available:

- *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
- Information about standards Incorporated by Reference (IBR): www.ansi.org/ibr
- ANSI - Education and Training: www.standardslearn.org

If you have a question about the ANS process and cannot find the answer quickly, please send an email to psa@ansi.org.

Please also visit Standards Boost Business at www.standardsboostbusiness.org for resources about why standards matter, testimonials, case studies, FAQs and more.

If you are interested in purchasing an American National Standard, please visit <https://webstore.ansi.org/>



**BSR/ASHRAE/ASHE Addendum a
to ANSI/ASHRAE/ASHE Standard 189.3-2017**

Public Review Draft

**Proposed Addendum a to
Standard 189.3-2017, Design,
Construction, and Operation of
Sustainable High-Performance
Health Care Facilities**

**Second Public Review (June 2019)
(Draft shows Proposed Independent Substantive
Changes to Previous Public Review Draft)**

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 <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts> and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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

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

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

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

FOREWORD

This independent substantive change to the previous public review draft corrects data entry errors for the following values in Table 7.5.2A, Energy Cost and CO₂e Building Performance Factors (BPF).

- *Building Area Type: Residential Healthcare; Climate Zone: 1B*
- *Building Area Type: Healthcare/Hospital; Climate Zone: 3B*
- *Building Area Type: Healthcare/Hospital; Climate Zone: 4B*

Note: This public review draft makes proposed independent substantive changes to the previous public review draft. 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 previous draft 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 related to the proposed substantive changes.)

Modify Table 7.5.2A as shown.

Table 7.5.2A Energy Cost and CO₂e Building Performance Factors (BPF)

Building Area Type	Climate Zone																
	1A	1B	2A	2B	3A	3B	3C	4A	4B	4C	5A	5B	5C	6A	6B	7	8
Healthcare/ Hospital	0.64	0.56	0.60	0.56	0.60	0.06 <u>0.56</u>	0.54	0.57	0.05 <u>0.53</u>	0.55	0.59	0.52	0.55	0.57	0.52	0.56	0.56
Residential Healthcare	0.73	0.07 <u>0.73</u>	0.71	0.69	0.74	0.73	0.68	0.78	0.81	0.81	0.76	0.80	0.81	0.76	0.79	0.74	0.80

ASME B16.12-2009 20XX

[Revision of ASME B16.12-1998 (~~R2006~~)] R2014

Proposed Revision of

Cast Iron Threaded Drainage Fittings

Draft Date 06/2019

TENTATIVE
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Specific Authorization Required for Reproduction or Quotation
ASME Codes and Standards

MANDATORY APPENDIX I

REFERENCES

The following is a list of publications referenced in this Standard. Unless otherwise stated, the latest edition of ASME publications shall apply. Materials manufactured to other editions of the referenced ASTM standards may be used to manufacture fittings meeting the requirements of this Standard as long as the fitting manufacturer verifies the material meets the requirements of the referenced edition.

ASME B1.20.1-~~1983~~ (R1992), Pipe Threads, General Purpose (Inch)¹

ASME B16.4-~~1998~~, Gray Iron Threaded Fittings¹

ASME B36.10M-~~1996~~, Welded and Seamless Wrought Steel Pipe¹

Publisher: The American Society of Mechanical Engineers (ASME), Three Park Avenue, New York, NY 10016-5990; Order Department: 22 Law Drive, P.O. Box 2300, Fairfield, NJ 07007-2300 (www.asme.org)

ASTM ~~A 126-95~~ A126-04(2014), Specification for Gray Iron Castings

for Valves, Flanges, and Pipe Fittings

ASTM ~~A 197-87~~ (R1992) A197/A197M-00(2015), Specification for Cupola Malleable Iron

Publisher: American Society for Testing and Materials (ASTM) International, 100 Barr Harbor Drive, West Conshohocken, PA 19428 (www.astm.org)

ISO 9000: ~~2005~~ 2015, Quality Management Systems – Fundamentals and Vocabulary

ISO 9001: ~~2000~~ 2015, Quality Management Systems – Requirements

ISO 9004: ~~2000~~ 2018, Quality Management Systems – Guidelines for Performance Improvements

Publisher: International Organization for Standardization (ISO), 1 ch. de la Voie-Creuse, Case Postale 56, CH-1211, Gene`ve 20, Switzerland/Suisse (www.iso.org)

MSS SP-25-~~1998~~ 2018, Standard Marking System for Valves, Fittings, Flanges, and Unions

Publisher: Manufacturers Standardization Society of the Valve and Fittings Industry, 127 Park Street, NE, Vienna, VA 22180 (www.mss-hq.org)

¹ May also be obtained from the American National Standards Institute (ANSI), 25 West 43rd Street, New York, NY 10036.

BSR/IIAR 9-201x

Standard for Minimum System Safety Requirements for Existing Closed-Circuit Ammonia Refrigeration Systems

IIAR 9

Public Review #3 Draft

Note: This document shows substantive changes made subsequent to the second public review. Certain portions of the original text remain to provide the reader with some context and certain portions of the original text that were removed are not shown from editorial corrections or to prevent and avoid confusion. Note the section numbers when reviewing as they are not in full sequence. Sections and table content with no substantive changes were removed. A highlighted "Note Only: statement..." is included to provide clarification. Sections that were fully removed kept their original IIAR 9 Public Review #2 Draft numbering. As noted before Chapter 4 in the document, the original Chapter 4 material moved to informative Appendix B causing the original Chapters 5 - 9 to become Chapters 4 - 8. You are invited to provide comments on only the struck-through (in Red) or the underlined (in Blue) changes. Understand the content clearly before you submit a comment. Do not submit questions or opinions as comments. If you do not understand the content, contact the IIAR at 1-703-312-4200.

International Institute of Ammonia Refrigeration

1001 North Fairfax Street, Suite 503, Alexandria, VA 22314

Phone: (703) 312-4200, Fax: (703) 312-0065, www.iiar.org

Chapter 1. General

1.2.3 This standard shall not apply to:

~~1.2.3.3—Replacements in kind.~~

Note Only: Original Chapter 4 “System Documentation” was moved, modified, and became the new material for (Informative) Appendix as noted on the cover page.

Chapter 4. Equipment and System Components Documentation

4.1 The following equipment documentation and system component documentation shall be obtained and on-file at the facility.

4.1.1 Where the following documentation is no longer available, the owner or the owner’s designated representative shall determine and document that the equipment is designed, maintained, inspected, tested, and operating in a safe manner.

4.1.2 Where the owner or owner’s designated representative cannot determine and document that the equipment is designed, maintained, inspected, tested, and operating in a safe manner, it shall be taken out of service.

Chapter 5. Inspection, Testing, and Maintenance

5.1 All equipment and system components shall be inspected, tested, and maintained in ~~compliance~~ accordance with ANSI/IIAR 6 (201~~8~~9).

Chapter 6. System and Equipment Operation

6.1 Operating procedures shall be developed in ~~compliance~~ accordance with the requirements of ANSI/IIAR 7 (201~~3~~9).

Chapter 7. Minimum System Safety Requirements Applicable to All Systems

7.2.1 Anhydrous Ammonia Specification

~~8.2.1.1 Refrigerant-Grade Ammonia. Refrigerant-grade anhydrous ammonia that meets or exceeds the minimum requirements of Compressed Gas Association (CGA) Standard G-2 shall be used for the refilling of the system to the operating inventory.~~

~~8.2.1.2 Purity Requirements. Ammonia refrigeration shall comply with Table 8.2.1.2.~~

7.2.1.1 Purity. Anhydrous ammonia used for the initial and subsequent charging of ammonia refrigeration systems using mechanical compression shall meet the purity requirements shown in Table 7.2.1.1.

Table ~~8.2.1.1~~ 7.2.1.1

7.2.6 Insulation

7.2.6.1 Condensation and Frost Control.

EXCEPTIONS:

1. Piping and fittings constructed of corrosion-resistant materials or protected with a corrosion-resistant treatment shall be permitted to be uninsulated if they are routinely defrosted or are otherwise managed to limit ice accumulation. [Where defrost will be the method of ice control, a means to control and drain condensate shall be provided where condensate will present a nuisance or a hazard.](#)

7.2.9 **Emergency Shutdown Documentation.** It shall be the duty of the person in charge of the premises at which the refrigeration system is installed to provide directions for the emergency shutdown of the system at a location that is readily accessible to trained refrigeration system staff and trained emergency responders. Documentation shall include the following:

- 7.2.9.1 Instructions with details and steps for shutting down the system in an emergency.
- 7.2.9.2 The name and telephone numbers of the refrigeration operating, [and](#) maintenance, ~~management~~ staff, ~~emergency responders, and safety personnel.~~
- 7.2.9.3 The names and telephone numbers of all local, state, and federal agencies to be contacted as required in the event of a reportable incident.
- 7.2.9.4 [Quantity of](#) Ammonia ~~Inventory~~ [in the system.](#)
- 7.2.9.5 ~~Type and quantity of refrigerant oil in the system.~~ [Signage shall include emergency facility contact title and phone number to call in the event of an alarm or ammonia release.](#)

7.3.6 **Piping**

- 7.3.6.2 **Pipe Penetrations.** Pipes penetrating the machinery room [separation](#) shall be sealed to the walls, ceiling, or floor through which they pass.

7.3.9 **Entrances and Exits**

- 7.3.9.2 **Door Features.** Machinery room doors shall be self-closing and tight fitting. Doors that are part of the means of egress shall be equipped with panic hardware and shall be side hinged to swing in the direction of egress for occupants leaving the machinery room. Where the machinery room is not provided with fire sprinklers, doors communicating with the building interior shall be one-hour fire rated. Doors to the outdoors shall be fire rated ~~where~~

~~required by the Building Code~~ based on the fire rating required for exterior wall openings.

7.3.11 Emergency Control Switches

7.3.11.2 **Emergency Ventilation Control Switch.** A clearly identified control switch for emergency ventilation with a tamper-resistant cover shall be located outside the machinery room and adjacent to the designated principal machinery room door unless the continuous ventilation operates at a rate above that required for emergency ventilation. The switch shall provide “ON/AUTO” override capability for emergency ventilation. The function of the switch shall be clearly marked by signage near the controls.

7.3.13 Ventilation

7.3.13.1 ***Ventilation for Occupants.** In occupied conditions, outdoor air shall be provided at a rate that complies with the codes and standards adopted at the time of installation or at the time that there was an addition or modification that would affect the occupancy ventilation rate.

7.3.13.2 **Exhaust Ventilation.** Machinery rooms shall be vented to the outdoors by means of a mechanical exhaust ventilation system at a rate that complies with the codes and standards adopted at the time of installation or at the time that there was an addition or modification that would affect the emergency ventilation rate.

7.4 General Equipment Safety Requirements

~~8.4.2.4 The termination of the discharge shall be directed upward and arranged to avoid spraying ammonia on persons in the vicinity.~~

~~8.4.6 Shut-Off Valve Locations. A shut-off valve shall be installed in the refrigerant piping at each of the following locations:~~

~~8.4.6.1 At the inlet and outlet of a positive displacement type compressor, compressor unit, or condensing unit.~~

~~8.4.6.2 At the refrigerant inlet and outlet of a receiver.~~

~~EXCEPTIONS:~~

~~1. Systems that have a refrigerant pump-out function capable of storing the entire refrigerant charge, or are equipped with the provisions for pump-out of the refrigerant, or self-contained systems.~~

- ~~2. In lieu of providing shut-off valves at each piece of serviceable equipment, packaged systems and portions of built-up systems shall be permitted to have pump-down arrangements that permit the safe removal or isolation of ammonia for servicing one or more pieces of equipment.~~
- ~~3. Packaged systems that incorporate subsystem isolation valves shall not require more than one shut-off valve on each ammonia-containing pipe connecting any two parts of a system.~~

7.4.7 Instrumentation and Controls

~~8.4.8.4 **Electrical Control Systems.** Electrical control systems shall comply with the Electrical Code.~~

Appendix A. (Informative) Explanatory Material

- ~~A.4.1.7~~ Removed to avoid confusion and that Chapter 4 material moved to an informative appendix that was rewritten.
- ~~A.4.1.1~~ Removed due to normative material changed not needing this.
- ~~A.5.1.2~~ Removed due to normative material changed not needing this.
- ~~A.5.1.3~~ Removed due to normative material changed not needing this.
- A.7.1.2.1 Surge Drums associated with evaporators are considered an integral part of the evaporator and thus may be installed in industrial occupancies.
- A.7.2.5.3(3) The valve and piping connections can be either permanently attached to the system or they can be temporary, such as through the use of ammonia rated hoses.

Appendix B. (Informative) Equipment/System Component Documentation

Note Only: This is new from the Chapter 4 move and shows only the changes made to the content.

6. Material and Energy Balance
- Note Only: EXEMPTIONS were removed.
8. Safe upper and lower limits for such items as temperature, pressure, and level
9. Safety systems such as setpoints, interlocks, and detection
10. Safety Data Sheet for Anhydrous Ammonia

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

NSF/ANSI International Standard for Biosafety Cabinetry —

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

-
-
-

A.1 Personnel, product, and cross-contamination protection (biological) tests

A.1.1 Purpose

These tests determine whether aerosols will be contained within the cabinet, outside contaminants will not enter the cabinet work area, and aerosol contamination of other equipment in the cabinet will be minimized. The cabinet shall be operated at the airflow velocities indicated in the specific test methods with removable equipment installed. The cabinet shall be turned on at least 30 minutes before the start of any test and operated continuously throughout all test methods. Cabinets meeting these test requirements shall then meet airflow characteristics as measured in Sections A.8 and A.9.

A.1.2 Materials

-
-
-

— suspension of *B. subtilis* var. niger spores prepared as follows:

— Method A (using previously harvested *B. subtilis* spores)

a) Aseptically inoculate (by streak plating technique) several TSA petri plates (100 × 15 mm).

b) Incubate for 48 ± 2 hours at 99 ± 1 °F (37 ± 0.5 °C).

Rationale: The incubation time and temperature should be consistent with the time and temperature used for testing (see A.6.4.1g for example).

c) Remove characteristic (pigmented dark orange) colonies and transfer them to ten 220 ml sterile screw-capped bottles each containing approximately 50 mL of TSA.

d) Incubate for 48 ± 2 hours at 99 ± 2 °F (37 ± 1 °C).

e) Add 10 mL of PBS to each slant and gently wash the bacteria from the agar surface.

f) Combine the bacterial suspensions to yield approximately 100 mL in a sterile 150 mL screw-cap bottle. Heat the stock culture at 149 ± 1 °F (65 ± 0.5 °C) for 15 minutes. If cell debris interferes with nebulizer dissemination, the suspension may

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be clarified by washing three times in PBS by centrifugation at 2500 rpm for 15 minutes. Re-suspend in PBS to the original volume.

g) Determine spore concentration by standard dilution-plate methods¹ using PBS and TSA. Spores prepared as above should yield an average count of 2×10^9 to 4×10^9 /mL.

h) Incubate plates for ~~48 ± 2 hours at 99 ± 2 °F (37 ± 1 °C)~~ 44 to 48 hours at 97 ± 2 °F (36.1 ± 1 °C).

i) Dilute the spore suspension with PBS to obtain a final spore concentration of 5×10^8 to 8×10^8 /mL if the spores are to be used immediately.

j) Store the stock spore suspension (2×10^9 to 4×10^9 /mL) at 39 °F (4 °C) or divide it into aliquots to store in screw-capped vials at -94 °F (-70 °C). Make frequent checks of spore viability by surface plating and of spore predominance by an acceptable spore staining technique.²

— Method B

a) Inoculate 250 mL portions of sterile tryptose broth with aliquots of previously harvested *B. subtilis* spores, or rehydrated freeze-dried cultures per ATCC or NCTC instructions.

b) Incubate on a reciprocating shaker for 48 ± 2 hours at 99 ± 2 °F (37 ± 1 °C).

c) Heat the stock cultures at 149 ± 1 °F (65 ± 0.5 °C) for 15 minutes.

d) Transfer the suspensions to screw-cap test tubes and wash at least three times in sterile distilled water by centrifugation at 2500 rpm for 15 minutes. Use PBS in the last washing if storage is required.

e) Determine spore concentration by standard dilution-plate methods using PBS and TSA. Spores prepared as described above should average 1.5×10^9 /mL.

f) Incubate the plates for ~~48 ± 2 hours at 99 ± 2 °F (37 ± 1 °C)~~ 44 to 48 hours at 97 ± 2 °F (36.1 ± 1 °C).

g) If the spore suspension is to be used promptly, dilute the spore suspension with PBS to obtain a final suspension concentration of 5×10^8 to 8×10^8 /mL.

h) To store the stock spore culture, divide it into aliquots and store it at 39 °F (4 °C) in sterile screw-cap vials or store it in a freezer at -94 °F (-70 °C). Before use, check the viability of the spore suspension as described in Section A.7.3.1.

— Method C

¹ Standard Methods for the Examination of Water and Wastewater, Twentieth Edition, American Public Health Association. 1015 Eighteenth Street NW, Washington, DC 20036 <www.apha.org>.

² APHA Intersociety / Agency Committee on Microbiological Methods for Foods, "Compendium of Methods for Microbiological Examinations of Foods," 1976, pp. 92-93 <www.apha.org>.

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- a) Aseptically subculture from a stock culture of *B. atrophaeus* ATCC 9372 displaying characteristic orange pigmentation to tryptic soy broth (TSB).
- b) Incubate for 24 hours at 95 to 99 °F (35 to 37 °C).
- c) Aseptically inoculate Roux flasks containing fortified NA with the TSB culture.
- d) Incubate inverted Roux flasks at 95 to 99 °F (35 to 37 °C). Check progress of sporulation for development of mature spores; a phase contrast microscope will show mature spores as phase bright. For *B. atrophaeus* 9372, 95% mature spores are generally obtained in 5 days.
- e) Harvest spores by adding cold sterile deionized water (CSDW) to each flask and washing the bacteria from the agar surface; transfer harvest to sterile centrifuge bottles.
- f) Wash spores three times in CSDW by centrifugation at 10,000 to 12,000 rpm in a refrigerated super centrifuge at 50 °F (10 °C).
- g) After the final wash, suspend spores in aqueous ethanol.
- h) Determine spore concentration by standard dilution-plate methods using PBS and TSA.
- i) Incubates plates for ~~48 ± 2 hours at 95 to 99 °F (35 to 37 °C)~~ 44 to 48 hours at 97 ± 2 °F (36.1 ± 1 °C).
- j) Dilute the spore suspension with PBS to obtain a final spore concentration of 5 × 10⁸ to 8 × 10⁸/mL.
- k) Store the stock spore suspension at 39 °F (4 °C) or divide into aliquots to store in sterile screw-cap vials at -94 °F (-70 °C). Make frequent checks of spore viability by surface plating and of spore predominance by an acceptable spore staining technique.

— Method D

- a) Aseptically inoculate (by streak plating technique) characteristic orange pigmented *B. atrophaeus* 9372 culture to several TSA petri plates.
- b) Incubate for 1 to 3 days at 86 to 95 °F (30 to 35 °C).
- c) Remove characteristic (pigmented dark orange) colonies and transfer to fortified NA petri plates.
- d) Incubate plates at 86 to 95 °F (30 to 35 °C) until 95% spores have formed. Periodically verify sporulation using phase contrast microscopy. Do not harvest until 95% of cells have formed phase bright spores.
- e) Harvest spores by adding sterile deionized (DI) water to each plate and gently washing growth from the agar surface. Transfer spores to sterile centrifuge bottles.

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- f) Wash spores three times in sterile DI water by centrifugation at 4,000 rpm for 30 minutes.
- g) Add 10 to 15 mL of sterile DI water to each tube and vortex to re-suspend spores.
- h) Heat the stock culture suspension at 167 to 185 °F (75 to 85 °C) for 20 minutes.
- i) Sonicate the spore suspension for 10 minutes at 60% intensity.
- j) Wash spores three times in sterile DI water by centrifugation at 4,000 rpm for 30 minutes. Re-suspend in sterile DI water and add sterile glass beads after final wash.
- k) Determine spore concentration by standard dilution-plate methods using PBS and TSA.
- l) Incubate the plates for ~~2 to 3 days at 86 to 95 °F (30 to 35 °C)~~ 44 to 48 hours at 97 ± 2 °F (36.1 ± 1 °C).
- m) Dilute the spore suspension with PBS to obtain a final spore concentration of 5×10^8 to 8×10^8 /mL.
- n) Store the stock spore suspension at 39 °F (4 °C) or divide into aliquots to store in sterile screw-cap vials at -94 °F (-70 °C). Make frequent checks of spore viability by surface plating and of spore predominance by an acceptable spore staining technique.

A.1.3 Personnel protection test (system challenged with 1×10^8 to 8×10^8 *B. subtilis* spores in 5 minutes).

A.1.3.1 Method

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f) Filter the sampling fluid from all of the AGI-30 samplers³ through a 47 mm diameter 0.22 µm membrane filter, remove the filter aseptically, and place it on appropriate media. Incubate plates containing the filters and plates from the slit-type air samplers at 97 ± 2 °F (36.1 ± 1 °C). Read plates at 44 to 48 hours of incubation. If plates are overgrown with a contaminant other than the challenge organism, the test shall be considered invalid and retested.

Rationale: Setting a hard time for incubation reads is unnecessarily strict. 44 to 48 hours is the incubation time required in the standard for product protection and cross-contamination. Leaving the 4-hour window out was most likely an oversight for the personnel protection test.

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A.1.4 Cross-contamination test (system challenged by 1×10^4 to 8×10^4 *B. subtilis* spores for 5 minutes.)

³For research and field applications, the sampling fluid may be filtered separately from each AGI sampler to provide information on specific areas within the cabinet.

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A.1.4.1 Method

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A.1.4.1.1 Center test

a) The center test is completed only on cabinets with a BSC nominal width of greater than 3 feet. Reposition the nebulizer used in Section A.6.5.1.3 such that the axis of the reservoir is positioned over the geometric center of the work surface with the nebulizer facing the left side wall. The center of the nebulizer barrel shall be positioned at the same height as the top of the cabinet access opening. Either start with fresh suspension or top off the nebulizer used in Section A.6.5.1.3. Top off by adding approximately 5 mL of additional suspension and uniformly mix the suspension in the reservoir. After moving and topping off the nebulizer, perform a thorough surface decontamination of the entire work surface and side wall used for the side wall test. The axis of a 2.5 inch (63 mm) outside diameter cylinder, with closed ends, shall be centered side to side in the work area with the axis of the cylinder 2.75 inches (70 mm) above the work surface. One end shall butt against the back wall of the work area and the other end shall extend at least 6 inches (150 mm) into the room through the front opening of the cabinet.

b) Place open agar settling plates (100 × 15 mm) on the work surface in rows. Center one row under the nebulizer along the cabinet front to rear center line. Place two rows to the left side of the center row of plates. The stand for the nebulizer may interfere with plates in the middle. It is acceptable to leave plates out in the middle where this happens since these are control plates used to demonstrate recovery only. If the manufacturer or test agency is aware that adequate control recovery cannot be demonstrated from these three rows of plates alone, additional plates may be added, as instructed by the manufacturer. Placement of additional positive control plates shall be limited to the area directly above the three rows of control plates and the area under the front intake grille near the center of the cabinet (similar to personnel and product protection control plate placement). Apparatus used to suspend plates higher within this zone shall be installed in a manner that minimizes any disturbances to airflow. Place a row of plates with the edge of the plates 14 inches (360 mm) from the cabinet center line. Place additional rows of plates behind these, as cabinet size will allow, up to a maximum of four rows total. When the size of the cabinet does not allow for four rows on each side, place as many rows as will fit. Each row of plates shall be centered from front to rear on the work surface. Rows of plates shall touch each other but not be nested, as they are for the side wall cross contamination test.

c) Start the nebulizer. After 5 minutes, stop the nebulizer.

d) After 5 minutes, place the covers on the open agar plates. Incubate the plates at ~~98.6 °F (37 °C)~~ $97 \pm 2 \text{ °F}$ ($36.1 \pm 1 \text{ °C}$) and examine them at 44 to 48 hours.

e) Three replicate tests shall be completed.

f) Repeat steps a through e but with the nebulizer facing the right sidewall of the cabinet and plates positioned on the right side of the cabinet. After repositioning, top off the nebulizer as in step a and then perform a thorough surface decontamination of the entire work surface before placing any fresh plates.

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

NSF/ANSI International Standard for Biosafety Cabinetry —

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

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A.1 Personnel, product, and cross-contamination protection (biological) tests

A.1.1 Personnel protection test (system challenged with 1×10^8 to 8×10^8 *B. subtilis* spores in 5 minutes).

A.1.1.1 Method

a) Set the cabinet at the nominal set point airflow velocities.

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f) Filter the sampling fluid from all of the AGI-30 samplers¹ through a 47 mm diameter **0.2 to 0.22** μm membrane filter, remove the filter aseptically, and place it on appropriate media. Incubate plates containing the filters and plates from the slit-type air samplers at 97 ± 2 °F (36.1 ± 1 °C). Read plates at 48 hours of incubation. If plates are overgrown with a contaminant other than the challenge organism, the test shall be considered invalid and retested.

¹ For research and field applications, the sampling fluid may be filtered separately from each AGI sampler to provide information on specific areas within the cabinet.

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

NSF/ANSI Standard for Drinking Water Treatment Units –

Supplemental Microbiological Water Treatment Systems – Filtration

1 General

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1.5 Mechanical and microbial reduction performance claims

1.5.1 All NSF/ANSI 244 performance claims shall be verified and substantiated by test data generated under the requirements of NSF/ANSI 244.

1.5.2 When making performance claims for substances not specifically addressed in the scope of this Standard, or for those substances not specifically addressed but falling under the scope of NSF/ANSI 244, those claims not specifically addressed in the Standard shall be so identified.

1.5.3 Quality assurance requirements

This standard covers the reduction of microbial contaminants from drinking water. ~~Because of the acute nature of microbes~~ Because of the potential for acute illness caused by microbes in drinking water it is critical to produce these products under strict quality control procedures. The requirements below shall be used to verify production reproducibility. Manufacturers of devices establishing claims under this Standard ~~claiming reduction capabilities for microbiological contaminants~~ shall be required to demonstrate that the manufacturing process is capable of producing devices at least equivalent in performance to those devices tested to establish the claim ~~and listed by the testing agency~~. This required demonstration shall be part of the manufacturing process, including compilation and retention of supporting test data, other appropriate documentation, or both for at least five years ~~of supporting test data or other appropriate documentation~~. This information shall be made available for inspection at any time by the testing agency, their designate, or any other ~~entity certification or testing agency~~ that the manufacturer has so authorized under mutual consent. Device manufacturers shall use good practices in manufacturing and each unit shall carry an identification code or other means of traceability, which allows determination of the date of manufacture and specific lots of components or raw materials used.

Rationale: Revised to clarify that the manufacturer is responsible for ensuring that the product shall have equivalent or better performance than the product tested to show compliance with the standard. The statement will cover 1st, 2nd and 3rd party claims against the standard.

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8 Instruction and information

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8.4 Performance data sheet

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Table 8.1
Performance data sheet performance claims for percent reduction

Substance	Influent challenge concentration	Reduction requirement
R# bacteria	5×10^7 to 5×10^8 cfu/100 mL	99.9999% (6 log)
fr coliphage virus	5×10^6 to 5×10^7 pfu/100 mL 1×10^7 to 1×10^8 pfu/100 mL	99.99% (4 log)
MS-2 coliphage	5×10^6 to 5×10^7 pfu/100 mL	99.99% (4 log)
cyst	(bacteria and virus surrogate cyst reduction per Section 7.2.2.2)	Maximum cyst reduction claim $\geq 99.95\%$ (≥ 3.3 log)

Rationale: Revised Table 8.1 to list the class of organism for each of the surrogates instead of the specific organism reduced, as it is not the intention to allow a claim for the actual surrogate organisms. Influent level has been updated to reflect the combined concentration for the two viruses used.

BSR/UL 201, Standard for Garage Equipment

1. Use of Class I, Division 2 devices in designated Class I, Division 2 hazardous locations

PROPOSAL

19.2 Location

19.2.1 A motor shall be installed not less than 460 mm (18 inches) above floor level.

Exception No. 1: A motor evaluated for use in Class 1, Division 1, ~~Hazardous Locations~~ or Class I, Division 2 Hazardous Location, as appropriate, as defined in the National Electrical Code, ANSI/NFPA 70, is not required to comply with this requirement.

Exception No. 2: Garage equipment with motors which are not inherently located above 460 mm above the floor level (such as in table-top or wall mounted equipment) that is marked in accordance with 83.12, is not required to comply with this requirement.

24.2 Location

24.2.1 A switch, relay, solenoid, or other control device shall be installed not less than 460 mm (18 inches) above floor level.

Exception No. 1: A switch, solenoid, relay, or other control device, evaluated for use in a Class 1, Division 1 ~~Hazardous Location~~, or Class I, Division 2 Hazardous Location, as appropriate, as defined by the National Electrical Code, ANSI/NFPA 70, is not required to comply with this requirement.

Exception No. 2: Garage equipment provided with control devices that are not inherently located 460 mm above the floor level (such as in table top or wall mounted equipment) that is marked in accordance with 83.12, is not required to comply with this requirement.

UL 248-19, Standard for Safety for Low-Voltage Fuses – Part 19: Photovoltaic Fuses

1. Clarification to Inductance Requirement for Operation at Rated Voltage Test

6.4 Verification of operation at rated voltage

6.4.1 In the Standard for Low-Voltage Fuses - Part 1: General Requirements, CSA C22.2 No. 248-1 / UL 248-1, the following from Table 6, Verification of operation at rated voltage for DC shall apply:

- a) Test 1 - 10kA or higher; the test circuit shall have an inductance of 100 μH ($\pm 10\%$)
- b) Test 5c - $2 I_n$; the test circuit shall have an inductance of 100 μH ($\pm 10\%$)

An inductance higher than 110% may be used if agreeable to the submitter and testing agency.

The inductance shall be calculated using the following equation - $L = \tau \cdot (V/I)$

Where L is the calculated inductance, V is the measured test voltage, I is the measured steady state test current and tau is the measured time constant.

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BSR/UL 1558, Standard for Safety for Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear

1. Addition of Requirements to Section 19.6 for the Allowance for Emergency Use Switchgear

19.6.2 A switchgear section may be marked “~~Emergency Source,~~” “Emergency Transfer Switch Section,” or equivalent when it contains an automatic transfer switch marked for use in emergency systems, under the following conditions:

- a) The transfer switch shall be located in a section having dimensions no smaller than those specified in the installation instructions of the transfer switch.
- b) Overcurrent protection shall be provided for control wiring that is intended to leave the switchgear section to supply a remote test switch or pilot light.
- c) The transfer switch and emergency circuits are located in a separate vertical switchgear section that does not contain any wiring associated with non-emergency loads other than the normal source connection to the transfer switch. This separate vertical section may share a common bus with other vertical sections when the switchgear complies with one of the following:
 - 1) The switchgear does not contain overcurrent protection between the emergency source and the common bus or
 - 2) The switchgear contains overcurrent protection between the emergency source and the common bus, and this overcurrent protection is selectively coordinated with all overcurrent devices located within the switchgear and connected on the load side of the emergency source overcurrent device.

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BSR/UL 1647, Standard for Safety For Motor-Operated Massage and Exercise Machines

1. Addition of reference to UL 62368-1 as an alternative to UL 60950-1

5.3.5 A Class 2 battery charger shall comply with one of the following:

- a) The Standard for Class 2 Power Units, UL 1310; or
- b) The Standard for Information Technology Equipment – Safety – Part 1: General Requirements, UL 60950-1, with an output marked "Class 2", or that complies with the limited power source (LPS) requirements and is marked "LPS"; or
- c) The Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements, UL 62368-1, with an output marked "Class 2", or that complies with the limited power source (LPS) requirements and is marked "LPS".

5.3.6 A non-Class 2 battery charger shall comply with one of the following:

- a) The Standard for Power Units Other Than Class 2, UL 1012; or
- b) The Standard for Information Technology Equipment – Safety – Part 1: General Requirements, UL 60950-1; or
- c) The Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements, UL 62368-1.

5.19.1 A Class 2 power supply shall comply with one of the following:

- a) The Standard for Class 2 Power Units, UL 1310; or
- b) The Standard for Information Technology Equipment – Safety – Part 1: General Requirements, UL 60950-1, with an output marked "Class 2", or that complies with the limited power source (LPS) requirements and is marked "LPS"; or
- c) The Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements, UL 62368-1, with an output marked "Class 2", or that complies with the limited power source (LPS) requirements and is marked "LPS".

5.19.2 A non-Class 2 power supply shall comply with one of the following:

- a) The Standard for Power Units Other Than Class 2, UL 1012; or
- b) The Standard for Information Technology Equipment – Safety – Part 1: General Requirements, UL 60950-1; or
- c) The Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements, UL 62368-1.

5.26 Video and audio components

5.26.1 A video component (e.g. a television or video) or an audio component (such as a CD player, radio, MP3 player, or audio sound system) provided with a massage or exercise machine shall comply with one of the following:

- a) The Standard for Audio, Video, and Similar Electronic Apparatus-Safety Requirements, UL 60065; or
- b) The Standard for Information Technology Equipment – Safety – Part 1: General Requirements, UL 60950-1; or
- c) The Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements, UL 62368-1.

BSR/UL 62841-1, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 1: General Requirements

1. Proposed Addition Of National Difference To Clause 14 To Clarify Moisture Resistance Test Requirements For Tools Provided With An Appliance Inlet

14 Moisture resistance

14.1 Tools shall be proof against humid conditions which may occur.

Compliance is checked by the following humidity test.

Cable entries, if any, are left open; if knock-outs are provided, one of them is opened.

Electrical components, covers, and other parts which can be removed without the aid of a tool are removed and subjected, if necessary, to the humidity test with the main part.

The humidity treatment is carried out in a humidity cabinet containing air with a relative humidity of (93 ± 3) %, obtained e.g. by placing in the humidity cabinet a saturated solution of Na_2SO_4 or KNO_3 in water, having a sufficiently large contact surface with the air. The temperature of the air, at all places where samples can be located, is maintained within 2 K of any convenient value t between 20 °C and 30 °C. In order to achieve the specified conditions within the cabinet, it is necessary to ensure constant circulation of the air within and, in general, to use a cabinet which is thermally insulated.

Before being placed in the humidity cabinet, the sample is brought to a temperature between t and $(t + 4)$ °C. The tool is considered to be brought to the specified temperature by keeping it at this temperature for at least 4 h before the humidity treatment.

The tool is kept in the cabinet for 48 h.

*Immediately after this test, the tool shall withstand the tests of Clause C.2 at **RATED VOLTAGE**. Then the tool shall withstand the test of Annex D in the humidity cabinet, or in the room in which the tool was brought to the prescribed temperature after reassembly of those parts which may have been removed.*

*In addition a test of Clause D.2 is applied between accessible metal parts and the **SUPPLY CORD** which is wrapped with metal foil where it is located in an inlet bushing, a cord guard or a cord anchorage, any clamping screws being tightened to the torque specified in Table 11. The test voltage is 1 250 V for **CLASS I TOOLS** and 1 750 V for **CLASS II TOOLS**.*

14.1DV D2 Modification: Add the following to the fourth paragraph of Clause 14.1:

For tools provided with an appliance inlet, the moisture resistance tests are made with an appropriate connector inserted.

2. Proposed Changes To Clause 8.14.1.1 To Match The Text Of Clause 8.14.1.1 Of IEC 62841-1

8.14.1.1 General power tool safety warnings



WARNING Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or **BATTERY-operated** (cordless) power tool.

1) **Work area safety**

- a) **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*
- b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** *Power tools create sparks which may ignite the dust or fumes.*
- c) **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

2) **Electrical safety**

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*
- b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** *There is an increased risk of electric shock if your body is earthed or grounded.*
- c) **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
- f) **If operating a power tool in a damp location is unavoidable, use a RESIDUAL CURRENT DEVICE (RCD) protected supply.** *Use of an RCD reduces the risk of electric shock.*

NOTE The term "RESIDUAL CURRENT DEVICE (RCD)" may be replaced by the term "ground fault circuit interrupter (GFCI)" or "earth leakage circuit breaker (ELCB)".

3) **Personal safety**

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*

- b) **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as a dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*
- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or BATTERY pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.*
- d) **Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*
- e) **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, and clothing and gloves away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*
- h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*
- 4) **Power tool use and care**
- a) **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*
- b) **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
- c) **Disconnect the plug from the power source and/or remove the BATTERY pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users.*
- e) **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*

f) **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*

g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from those intended could result in a hazardous situation.*

h) **Keep handles and grasping surfaces dry, clean and free from oil and grease.** *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.*

5) **Service**

a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the power tool is maintained.*

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BSR/UL 62841-2-5, Standard for Safety for Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 2-5: Particular Requirements for Hand-Held Circular Saws

1. Proposed Revisions To Clause 17.102.3DV.2 To Clarify The Requirements

17.102.3 For a saw intended to cut materials such as plastic, ferrous metal or masonry in accordance with 8.14.2 b) 104), a new saw sample for each specified material is subjected to the tests as specified below.

- *Plastics: 1 000 cuts through PVC. The thickness and length of the material may vary in size, provided the cross sectional area of each cut is at least $0,012 D^2$.*

NOTE 1 The above formula simulates the cross sectional area of typical PVC pipes of a diameter approximately equal to 2/3 of the **maximum depth of cut** of the saw. Sawing of such pipes is the predominant application for plastic.

- *Ferrous metals: 200 cuts through soft steel. The thickness and length of the material may vary in size, provided the cross sectional area of each cut is at least $0,13 D^{1,46}$ in mm^2 , where D is measured in mm.*

NOTE 2 The above formula simulates the cross sectional area of typical metal pipes of a diameter approximately equal to 1/2 of the **maximum depth of cut** of the saw. Sawing of such pipes is the predominant application for metal.

- *Masonry: 500 cuts through masonry fibreboard (fibre cement board). The thickness and length of the fibreboard may vary in size, provided the thickness of the material is minimum 10 mm and the cross sectional area of each cut is at least 30 mm times D .*

*Each cut is made with the saw set to 0° **bevel angle**. The depth of cut, the saw blade and the rate of sawing shall be as specified for the respective material. An external dust extraction system attached to the saw shall not be used. A non-detachable dust collection system shall be maintained per 8.14.2 b) 105).*

NOTE 3 Use of personal protective equipment will help to protect the operator during these tests.

*During each cut, the **lower guard** or the **guarding system** shall cycle from the fully closed position to the maximum open working position for each cutting cycle, without manual assistance. Moreover, for **plunge type saws** with a spring loaded **riving knife**, the **riving knife** shall cycle from its fully extended to the fully retracted position.*

*If the **lower guard**, **guarding system** or the **riving knife** fails to return to its normal position at any time during the test, this is considered a failure.*

After completion of all cuts as specified above, the saw is conditioned for 24 h in air at a relative humidity of $(93 \pm 3) \%$. The temperature of the air is maintained within 2 K of any convenient value between $20^\circ C$ and $30^\circ C$.

The saw shall then comply with the tests of 17.101.2 and 17.101.3.

17.102.3DV.1 D1 Modification: Replace the first paragraph of Clause 17.102.3 of the Part 2 with the following:

For a saw intended to cut materials such as plastic, ferrous and non-ferrous metal or masonry in accordance with 8.14.2 b) 104), a new saw sample for each specified material is subjected to the tests as specified below.

17.102.3DV.2 D1 Modification: Replace the item under Note 1 of Clause 17.102.3 of the Part 2 with the following:

- Ferrous and non-ferrous metals: 200 cuts through ferrous or non-ferrous metals, as applicable soft steel. The thickness and length of the material may vary in size, provided the cross sectional area of each cut is at least $0,13 D^{1,46}$ in mm^2 , where D is measured in mm.

2. Proposed Deletion Of Clause 24.1DV Involving Protection Against Moisture For Appliance Inlets

24 Supply connection and external flexible cords

This clause of Part 1 is applicable.

24.1DV D2 Modification: Replace the third bullet of Clause 24.1 of the Part 1 with the following:

~~- an appliance inlet having at least the same degree of protection against moisture as required for the tool with a detachable cord having a locking device preventing inadvertent disconnection.~~

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