ANSI STANDARDS ACTION

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CONTENTS

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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.

ABYC (American Boat and Yacht Council)

Contact: Sara Moulton (410) 990-4460 smoulton@abycinc.org
613 Third Street, Suite 10, Annapolis, MD 21403 www.abycinc.org

Revision

BSR/ABYC C-1-202x, Primer Bulbs (revision of ANSI/ABYC C-1-2016)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.
Project Need: This standard addresses the design, material selection, construction, installation, and replacement of primer bulbs installed in gasoline fuel systems.
This standard applies to the primer bulb and primer bulb assemblies consisting of the primer bulb, the connecting hose lengths, and the fittings necessary to connect the fuel tank to the engine on outboard engine installations.

ABYC (American Boat and Yacht Council)

Contact: Sara Moulton (410) 990-4460 smoulton@abycinc.org
613 Third Street, Suite 10, Annapolis, MD 21403 www.abycinc.org

Revision

BSR/ABYC E-10-202x, Storage Batteries (revision of ANSI/ABYC E-10-2016)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.
Project Need: This standard addresses the selection, location, installation, and wiring of storage batteries.
This standard applies to storage batteries used in direct current (DC) electrical systems on boats that operate at potentials of nominal 50 V or less.

ABYC (American Boat and Yacht Council)

Contact: Sara Moulton (410) 990-4460 smoulton@abycinc.org
613 Third Street, Suite 10, Annapolis, MD 21403 www.abycinc.org

Revision

BSR/ABYC E-30-202x, Electric Propulsion Systems (revision of ANSI/ABYC E-30-2018)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.
Project Need: This standard addresses the design, construction, and installation of alternating current (AC) and direct current (DC) electrical systems on boats for the purpose of propulsion.
This standard applies to alternating current (AC) systems on boats operating at more than 300 VAC, but less than 1000 VAC, and direct current (DC) systems on boats operating at more than 60 VDC nominal but less than 1000 VDC, including battery banks, motors, and controllers for the purpose of propulsion.

AHRI (Air-Conditioning, Heating, and Refrigeration Institute)

Contact: Karl Best (703) 293-4887 kbest@ahrinet.org
2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 www.ahrinet.org

New Standard

BSR/AHRI Standard 886 (SI)-202x, Procedure for Estimating Occupied Space Sound Levels in the Application of Air Terminals and Air Outlets (new standard)

Stakeholders: Groups and individuals such as manufacturers, trade organizations, technical societies, professional associations, associations representing users or owners of the equipment involved, appropriate government agencies or offices and consumer organizations or private.
Project Need: The purpose of this standard is to provide a consistent industry-accepted method for estimating Sound Pressure Levels in a conditioned occupied space for the application of Air Terminals and air outlets.
This standard includes sound levels from most but not all components in the air distribution system. Air Terminals, air outlets and the low-pressure ductwork which connects them are considered as sound sources and are the subject of this Standard.

ASME (American Society of Mechanical Engineers)

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

New Standard

BSR/ASME PHM-01-202x, Guideline for When and Where PHM should be Integrated in Manufacturing Operations (new standard)

Stakeholders: OEMs, technology integrators, software developers, manufacturing process/equipment operators, maintenance personnel, process engineers, advanced manufacturing researchers.
Project Need: This document is intended to assist manufacturers in making decisions about when and where to integrate monitoring, diagnostic, and prognostic tools and systems in their facilities. The following steps are designed to aid in exploring key questions such as where implementation of PHM can improve productivity and costs, maintain process quality targets, or help solve chronic maintenance problems.
The proposed guidelines will include recommended best practices to (a) identify areas where operational efficiencies can be improved; (b) define use cases linked to desired safety, environmental, and cost-benefit factors as well as operational improvements; (c) establish a baseline of current maintenance practices and health-ready capability levels; (d) implement cost-effective equipment asset condition management (ACM2) strategies and measure their effectiveness in improving operational efficiencies.

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME Y14.43-202x, Dimensioning and Tolerancing Principles for Gages and Fixtures (revision of ANSI/ASME Y14.43 -2011 (R2020))

Stakeholders: Design engineers, inspectors, and manufacturers (automotive, aerospace, medical, etc.).
Project Need: This document is being revised to harmonize requirements for the verification of workpieces dimensioned and toleranced in accordance with the latest Y14.5-2018 standard.
This Standard presents the design practices for dimensioning and tolerancing of gages and fixtures used for the verification of maximum material condition (MMC)-size envelopes and virtual condition boundaries generated by geometric tolerances controlled at maximum material condition. Examples of gages used to inspect workpieces using regardless of feature size (RFS) are covered in an appendix.

AWS (American Welding Society)

Contact: Stephen Borrero (305) 443-9353 334 sborrero@aws.org
8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 www.aws.org

Revision

BSR/AWS D1.5M/D1.5-202x, Bridge Welding Code (revision and redesignation of ANSI/AASHTO/AWS D1.5M/D1.5-2020)

Stakeholders: Structural engineers, designers, manufacturers, welders, qualifiers, inspectors, fabricators involved in welding bridges.
Project Need: Correct errors and insert pertinent content that was unintentionally omitted from the current published edition of AWS D1.5.
This code covers the welding requirements for welded bridges made from carbon and low-alloy constructional steels and designed to AASHTO or AREMA requirements. This code contains dimensions in metric SI Units and U.S. Customary Units. Clauses 1 through 9 constitute a body of rules for the regulation of welding in steel construction. Clauses 10 and 11 do not contain provisions, as their analogue D1.1 sections are not applicable to the D1.5 code. Clause 12 contains the requirements for fabricating fracture critical members.

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

Contact: Terry Burger (909) 519-0740 terry.burger@asse-plumbing.org
18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 www.asse-plumbing.org

New Standard

BSR/ASSE 1165-202x, Airgap Units for Water Conditioning Equipment Installation (new standard)

Stakeholders: Plumbing and construction.
Project Need: Airgaps are essential to protect the water supply from cross-contamination. There are no standards which cover this application.
The purpose of this standard is to establish a generally acceptable standard for airgap units for water conditioning equipment installations. Its purpose is to serve as a guide for producers, distributors, architects, engineers, contractors, installers, inspectorsj and users; to promote understanding regarding materials, manufacture and installation; and to provide for identifying airgap units for water-conditioning equipment installations complying with this standard.

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

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

Revision

BSR/IAPMO Z601-202x, Scale Reduction Devices (revision of ANSI/IAPMO Z601-2018)

Stakeholders: Manufacturers, users, inspectors, distributors designers, and contractors.
Project Need: Revision to change the test procedures.
This standard covers scale reduction devices intended for residential and similar water-heating applications and specifies general, material, structural integrity, and testing requirements.

ICC (International Code Council)

Contact: Karl Aittaniemi (888) 422-7233 4205 kaittaniemi@iccsafe.org
4051 Flossmoor Road, Country Club Hills, IL 60478 www.iccsafe.org

Revision

BSR/ICC 400-202x, Standard on the Design and Construction of Log Structures (revision of ANSI/ICC 400-2017)

Stakeholders: Design professionals; manufacturers; constructors; building, fire, and other government officials.
Project Need: ICC is revising the ICC 400, Standard on the Design and Construction of Log Structures, to maintain the standard with current industry practice.
ICC is developing the standard to provide technical design and performance criteria that will facilitate and promote the design, construction, and installation of safe and reliable structures constructed of log timbers.

MHI (ASC MHC) (Material Handling Industry)

Contact: Patrick Davison (704) 714-8755 pdavison@mhi.org
8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 www.mhi.org

Revision

BSR MH1-202X, Pallets, Slip Sheets, and Other Bases for Unit Loads (revision of ANSI MH1-2016)

Stakeholders: Manufacturers and users of pallets.
Project Need: Revise and update relevant portions of the standard.
The purpose of this standard is to serve as the guide for designers, manufacturers, sellers, installers, owners, users, and governing bodies in the design, manufacturing, and use of pallets, slip sheets, and other bases for unit loads. A pallet is a portable, horizontal, rigid, composite platform used as a base for assembling, storing, stacking, handling, and transporting goods as unit load; often equipped with superstructure; described by providing the following information in the sequence listed: class, use, type, style, bottom deck, size, and design.

Call for Comment on Standards Proposals

American National Standards

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. e-mail: psa@ansi.org
* Standard for consumer products

Comment Deadline: October 25, 2020

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 p: (212) 591-8489 w: www.asme.org

Revision

BSR/ASME B18.8.2-202x, Taper Pins, Dowel Pins, Straight Pins, Grooved Pins and Spring Pins (Inch Series) (revision of ANSI/ASME B18.8.2-2020)

This Standard covers the dimensional and general data for taper pins, dowel pins, straight pins, grooved pins, and spring pins. Also included are appendices providing supplementary information for the drilling of holes for taper pins and the testing of pins in double shear.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: Angel Guzman (212) 591-8018 guzman@asme.org

IIAR (International Institute of Ammonia Refrigeration)

1001 North Fairfax Street, Alexandria, VA 22314 p: (703) 312-4200 w: www.iiar.org

Revision

BSR/IIAR 4-202x, Installation of Closed-Circuit Ammonia Refrigeration Systems (revision of ANSI/IIAR 4-2015)

This standard specifies the minimum requirements for the installation of safe 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

IIAR (International Institute of Ammonia Refrigeration)

1001 North Fairfax Street, Alexandria, VA 22314 p: (703) 312-4200 w: www.iiar.org

Revision

BSR/IIAR 8-202X, Decommissioning of Closed-Circuit Ammonia Refrigeration Systems (revision of ANSI/IIAR 8-2015)

This standard specifies the minimum criteria for the safe decommissioning of 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

Comment Deadline: October 25, 2020

NEMA (ASC C18) (National Electrical Manufacturers Association)

1300 North 17th Street, Rosslyn, VA 22209 p: (703) 841-3278 w: www.nema.org

Revision

BSR C18.2M, Part 2-202x, Portable Nickel Rechargeable Cells and BatteriesSafety Standard (revision of ANSI C18.2M, Part 2 -2014)

This American National Standard specifies performance requirements for standardized portable lithium-ion, nickel cadmium, and nickel metal hydride rechargeable cells and batteries to ensure their safe operation under normal use and reasonably foreseeable misuse, and includes information relevant to hazard avoidance. It is understood that consideration of this American National Standard might also be given to measuring and/or ensuring the safety of non-standardized secondary batteries. In either case, no claim or warranty is made that compliance or non-compliance with this American National Standard will fulfill or not fulfill any of the user's particular purposes or needs.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: khaled.masri@nema.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-3817 w: www.nsf.org

Revision

BSR/NSF 4-202x (i28r4), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2019)

Equipment covered by this Standard includes, but is not limited to, ranges, ovens, fat/oil fryers, fat/oil filters, griddles, tilting griddle skillets, broilers, steam and pressure cookers, kettles, rotisseries, toasters, coffee makers and other hot beverage makers, component water-heating equipment, proofing boxes and cabinets, hot food holding equipment, rethermalization equipment, and hot food transport cabinets.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: arose@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-3817 w: www.nsf.org

Revision

BSR/NSF 169-202x (i10r1), Special Purpose Food Equipment and Devices (revision of ANSI/NSF 169-2016)

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

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: arose@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 418-6660 w: www.nsf.org

Revision

BSR/NSF 245-202x (i19r3), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245 -2019)

This wastewater standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities of 1514 L/d (400 gal/d) to 5678 L/d (1500 gal/d) that are designed to provide reduction of nitrogen in residential wastewater. Management methods for the treated effluent discharged from these systems are not addressed by this Standard. A system, in the same configuration, must either be demonstrated to have met the Class I requirements of NSF/ANSI 40 or must meet the Class I requirements of NSF/ANSI 40 during concurrent testing for nutrient removal.

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: jsnider@nsf.org

Comment Deadline: October 25, 2020

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 p: (847) 664-2850 w: https://ul.org/

New National Adoption

BSR/UL 61800-5-1-202x, Standard for Safety for Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal and Energy (national adoption of IEC 61800-5-1 with modifications and revision of ANSI/UL 61800-5-1-2020)

(1) Typo corrections in Table 4.3.5.3.1DV.3.

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

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 p: (847) 664-2850 w: https://ul.org/

New National Adoption

BSR/UL 61800-5-2-202x, Standard for Safety for Adjustable Speed Electrical Power Drive Systems - Part 5-2: Safety Requirements - Functional (national adoption of IEC 61800-5-2 with modifications and revision of ANSI/UL 61800-5-2-2012 (R2017))

(1) Removal of reference to UL 508C.

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

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 p: (510) 319-4259 w: https://ul.org/

Revision

BSR/UL 79-202x, Standard for Safety for Power-Operated Pumps for Petroleum Dispensing Products (revision of ANSI/UL 79 -2020)

The following topic is being proposed: (1) Revision to Endurance Test.

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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)

47173 Benicia Street, Fremont, CA 94538 p: (510) 319-4259 w: https://ul.org/

Revision

BSR/UL 296-202x, Standard for Safety for Oil Burners (revision of ANSI/UL 296-2017)

The following topic is being proposed: (1) Flexible connector piping for fuels.

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

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062 p: (847) 664-1292 w: https://ul.org/

Revision

BSR/UL 498A-202x, Standard for Safety for Current Taps and Adapters (revision of ANSI/UL 498A-2020)

This proposal for UL 498A covers a revision of Figure 35.1 for Improper Insertion Blades.

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

Comment Deadline: October 25, 2020

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (613) 368-4432 w: https://ul.org/

Revision

BSR/UL 827-202X, Standard for Safety for Central-Station Alarm Services (revision of ANSI/UL 827-2019)

Virtual workplace requirements.

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

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062 p: (847) 664-1292 w: https://ul.org/

Revision

BSR/UL 2353-202x, Standard for Safety for Single- and Multi-Layer Insulated Winding Wire (revision of ANSI/UL 2353-2018)

This proposal for UL 2353 covers: Additional clarification to dimension requirements, in paragraphs 4.1.1 and 4.1.3, regarding solvent-based enamel coatings (Magnet wire, Litz wire).

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

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 p: (847) 664-1725 w: https://ul.org/

Revision

BSR/UL 6703-202x, Standard for Safety for Connectors for Use in Photovoltaic Systems (revision of ANSI/UL 6703-2017)

This proposal for UL 6703 covers: (1) Additional requirements to address the field assembly of PV connectors onto cables.

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

Comment Deadline: November 9, 2020

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 p: (703) 647-2779 w: www.aami.org

New Standard

BSR/AAMI HIT1000-1-202x, Health IT Software and Systems - Part 1: Fundamental concepts and principles (new standard)

Identifies the fundamental concepts and principles needed to maintain safe, secure, and effective health IT software and systems. Identifies the roles, and defines the responsibilities, activities, and best practices that are necessary for managing safety, security, and effectiveness of health IT software and systems. Applies throughout the whole lifecycle of health IT software and systems and to all sizes and type of actors involved with that system.

Single copy price: Free
Obtain an electronic copy from: wvargas@aami.org
Send comments (with optional copy to psa@ansi.org) to: Wil Vargas, wvargas@aami.org

Comment Deadline: November 9, 2020

AARST (American Association of Radon Scientists and Technologists)

527 Justice Street, Hendersonville, NC 28739 p: (202) 830-1110 w: www.aarst.org

Revision

BSR/AARST MALB-202x, Protocol for Conducting Measurements of Radon and Radon Decay Products In Schools and Large Buildings (revision of ANSI/AARST MALB-2014)

This standard of practice specifies procedures and minimum requirements when measuring radon concentrations in shared structures, or portions of shared structures, used for residential, non-residential, or mixed-use purposes to determine if radon mitigation is necessary to protect current and future occupants. These protocols address low-rise and high-rise structures and procedures for testing whole buildings but also for testing only one or several individual rooms or dwellings within a shared building. This work to harmonize content between AARST MAMF 2017 and AARST MALB 2014 may result in merging these documents due to many mixed-use buildings.

Single copy price: $TBD
Obtain an electronic copy from: https://standards.aarst.org/public-review
Order from: Gary Hodgden (202) 830-1110 StandardsAssist@gmail.com
Send comments (with optional copy to psa@ansi.org) to: Same

AARST (American Association of Radon Scientists and Technologists)

527 Justice Street, Hendersonville, NC 28739 p: (202) 830-1110 w: www.aarst.org

Revision

BSR/AARST MAMF-202x, Protocol for Conducting Measurements of Radon and Radon Decay Products in Multifamily Buildings (revision of ANSI/AARST MAMF-2017)

This standard of practice specifies procedures and minimum requirements when measuring radon concentrations in shared structures, or portions of shared structures, used for residential, non-residential, or mixed-use purposes to determine if radon mitigation is necessary to protect current and future occupants. These protocols address low-rise and high-rise structures and procedures for testing whole buildings but also for testing only one or several individual rooms or dwellings within a shared building. This work to harmonize content between AARST MAMF 2017 and AARST MALB 2014 may result in merging these documents due to many mixed-use buildings.

Single copy price: $TBD
Obtain an electronic copy from: https://standards.aarst.org/public-review
Order from: Gary Hodgden (202) 830-1110 StandardsAssist@gmail.com
Send comments (with optional copy to psa@ansi.org) to: Same

ASA (ASC S3) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 p: (516) 576-2341 w: www.acousticalsociety.org

Revision

BSR/ASA S3.2-202x, Method for Measuring the Intelligibility of Speech over Communication Systems (revision of ANSI/ASA S3.2-2009 (R2020))

This standard specifies a method for subjectively evaluating the speech intelligibility of communication systems. The standard specifies thoroughly validated English word lists for performing the tests. The standard also specifies methods for selecting and training the talkers and listeners; for designing, controlling, and reporting the test conditions; and for calculating the intelligibility score; and for analyzing and reporting the test results.

Single copy price: $132.00
Obtain an electronic copy from: standards@acousticalsociety.org
Order from: Nancy Blair-DeLeon (516) 576-2341 standards@acousticalsociety.org
Send comments (with optional copy to psa@ansi.org) to: Same

Comment Deadline: November 9, 2020

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

1791 Tullie Circle, NE, Atlanta, GA 30329 p: (404) 636-8400 w: www.ashrae.org

Addenda

BSR/ASHRAE Addendum ca to BSR/ASHRAE Standard 135-202x, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2016)

This addendum introduces the Concept of Color for BACnet; adds new Color object type, new Color Temperature object type, color-reference properties to LO and BLO object types, and high/low trim to LO object type; and makes aggregated changes to Clauses 21 and 25.

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)

520 N. Northwest Hwy., Park Ridge, IL 60068 p: (847) 768-3475 w: www.assp.org

Revision

BSR/ASSP A10.3-202x, Safety Requirements for Powder-Actuated Fastening Systems (revision and redesignation of ANSI/ASSE A10.3-2013)

This standard provides safety requirements for low-velocity powder-actuated fastening tools that propel studs, pins, fasteners or other objects for the purpose of affixing them, by penetration, to hard structural material (such as concrete, masonry or steel).

Single copy price: $110.00
Obtain an electronic copy from: LBauerschmidt@asse.org
Order from: Lauren Bauerschmidt (847) 768-3475 LBauerschmidt@assp.org
Send comments (with optional copy to psa@ansi.org) to: Same

HI (Hydraulic Institute)

300 Interpace Parkway, Bldg A – 3rd Floor, Parsippany, NJ 07054 p: (862) 242-5339 w: www.pumps.org

Revision

BSR/HI 9.1-9.5-202x, Pumps - General Guidelines (revision of ANSI/HI 9.1-9.5-2015)

This standard provides general guidelines for rotodynamic and positive-displacement pump-type classifications, materials of construction, airborne sound measurement, and procedures for decontamination of returned product. This standard applies to all industrial/commercial pumps of positive-displacement and rotodynamic types. This document covers pump type classifications, materials of construction, airborne sound measurement, and decontamination. Refer to ANSI/HI 14.1–14.2, Rotodynamic Pumps for Nomenclature and Definitions; ANSI/HI 3.1–3.5, Rotary Pumps for Nomenclature, Definitions, Application, and Operation; ANSI/HI 6.1–6.5, Reciprocating Power Pumps for Nomenclature, Definitions, Application, and Operation; ANSI/HI 7.1–7.5, Controlled-Volume Metering Pumps; and ANSI/HI 8.1–8.5, Direct Acting (Steam) Pumps for the pumps covered in the scope of this document.

Single copy price: $75.00 (non-members); $52.50 (HI membesr)
Obtain an electronic copy from: sdebel@pump.sorg
Send comments (with optional copy to psa@ansi.org) to: sdebel@pumps.org

Comment Deadline: November 9, 2020

HPS (ASC N43) (Health Physics Society)

1313 Dolley Madison Blvd #402, McLean, VA 22101 p: (703) 790-1745 w: www.hps.org

Revision

BSR N43.2-202x, Radiation Safety for X-Ray Diffraction and Fluorescence Analysis Equipment (revision of ANSI N43.2-2001 (R2010))

This standard provides guidelines specific to the radiation safety aspects of the design and operation of x-ray diffraction and fluorescence analysis equipment. It does not include electrical safety guidelines or other safety considerations outside the realm of radiation safety.

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NEMA (ASC W1) (National Electrical Manufacturers Association)

1300 North 17th Street, Rosslyn, VA 22209 p: (703) 841-3278 w: www.nema.org

New National Adoption

BSR/NEMA/IEC 60974-5-202X, Arc Welding Equipment - Part 5: Wire feeders (national adoption of with modifications and revision of ANSI/NEMA/IEC 60974-5-2008)

This part of IEC 60974 specifies safety and performance requirements for industrial and professional equipment used in arc welding and allied processes to feed filler wire. This document is applicable to wire feeders and to wire-feed controls that are stand-alone (separate from the welding equipment), housed together in a single enclosure, or housed in a single enclosure with other welding equipment. The wire feeder can be suitable for manually or mechanically guided torches. This document is not applicable to spool-on torches, which are covered by IEC 60974-7.

Single copy price: $162.00
Obtain an electronic copy from: KHALED.MASRI@NEMA.ORG
Order from: Communications@nema.org
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NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

NFPA FIRE PROTECTION STANDARDS DOCUMENTATION:
The National Fire Protection Association announces the availability of the NFPA First Draft Reports for concurrent review and comment by NFPA and ANSI. These First Draft Reports contain the disposition of public inputs that were received for standards in the Fall 2021 Revision Cycle. The First Draft Report is located on the document's information page under the next edition tab. The document's specific URL, www.nfpa.org/doc#next (for example ww.nfpa.org/101next), can easily access the document's information page. All Comments on standards in the Fall 2021 Revision Cycle must be submitted by November 19, 2020. The disposition of all comments received from the review of the First Draft Report will be published in the Second Draft Report, and will also be available on the document's information page under the next edition tab. For more information on the rules and up-to-date information on deadlines for processing NFPA standards, check the NFPA website (http://www.nfpa.org) or contact Standards Administration at NFPA. Those who submit comments to NFPA are invited to copy ANSI's Board of Standards Review.

Revision

BSR/NFPA 18A-202x, Standard on Water Additives for Fire Control and Vapor Mitigation (revision of ANSI/NFPA 18A-2017)

This standard provides the minimum requirements for water additives used for the control and/or suppression of Class A and Class B fires and the mitigation of flammable vapors.

Obtain an electronic copy from: www.nfpa.org/18aNext
Send comments (with optional copy to psa@ansi.org) to: Same

Comment Deadline: November 9, 2020

NFPA (National Fire Protection Association)

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NFPA FIRE PROTECTION STANDARDS DOCUMENTATION
The National Fire Protection Association announces the availability of the NFPA First Draft Reports for concurrent review and comment by NFPA and ANSI. These First Draft Reports contain the disposition of public inputs that were received for standards in the Fall 2021 Revision Cycle. The First Draft Report is located on the document's information page under the next edition tab. The document's specific URL, www.nfpa.org/doc#next (for example ww.nfpa.org/101next), can easily access the document's information page. All Comments on standards in the Fall 2021 Revision Cycle must be submitted by November 19, 2020. The disposition of all comments received from the review of the First Draft Report will be published in the Second Draft Report, and will also be available on the document's information page under the next edition tab. For more information on the rules and up-to-date information on deadlines for processing NFPA standards, check the NFPA website (http://www.nfpa.org) or contact Standards Administration at NFPA. Those who submit comments to NFPA are invited to copy ANSI's Board of Standards Review.

Revision

BSR/NFPA 288-202x, Standard Methods of Fire Tests of Horizontal Fire Door Assemblies Installed in Horizontal Fire Resistance-Rated Assemblies (revision of ANSI/NFPA 288-2017)

This standard shall apply to horizontal fire-door assemblies of various materials and types of construction that are installed in openings of fire-resistance–rated floor systems or roofs to retard the passage of fire. Tests made in conformity with this test method demonstrate the performance of horizontal fire-door assemblies during the test exposure; however, such tests shall not be construed as determining the suitability of horizontal fire-door assemblies for use after their exposure to fire.

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NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

Revision

BSR/NFPA 252-202x, Standard Methods of Fire Tests of Door Assemblies (revision of ANSI/NFPA 252-2017)

This standard prescribes standardized fire and hose stream test procedures that apply to fire door assemblies intended to be used to retard the spread of fire through door openings in fire-resistive walls.

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NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

Revision

BSR/NFPA 257-202x, Standard on Fire Test for Window and Glass Block Assemblies (revision of ANSI/NFPA 257-2017)

This standard prescribes standardized fire and hose stream test procedures that apply to the evaluation of fire window assemblies, including windows, glass block, and other light-transmitting assemblies intended to retard the spread of fire through openings in fire-resistance–rated walls. This standard is not to be construed as determining the suitability of fire window assemblies for continued use after fire exposure. This standard provides a standardized method for comparing the performance of fire window assemblies.

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Comment Deadline: November 9, 2020

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

Revision

BSR/NFPA 268-202x, Standard Test Method for Determining Ignitability of Exterior Wall Assemblies Using a Radiant Heat Energy Source (revision of ANSI/NFPA 268-2017)

This fire test response standard describes a method for determining the propensity of ignition of exterior wall assemblies from exposure to 12.5 kW/m2 (1.10 Btu/ft2-sec) radiant heat in the presence of a pilot ignition source. This test method evaluates the propensity of ignition of an exterior wall assembly where subjected to a minimum radiant heat flux of 12.5 kW/m2 (1.10 Btu/ft2-sec). This method determines whether ignition of an exterior wall assembly occurs when the wall is exposed to a specified radiant heat flux, in the presence of a pilot ignition source, during a 20-minute period. This test method utilizes a gas-fired radiant panel to apply a radiant heat flux of 12.5 kW/m2 (1.10 Btu/ft2-sec) to a representative sample of an exterior wall assembly while the test specimen is exposed simultaneously to a pilot ignition source. This test method applies to exterior wall assemblies having planar, or nearly planar, external surfaces. (1) This method shall not be used to evaluate the fire resistance of wall assemblies, nor shall it be used to evaluate the effect of fires originating within the building or within the exterior wall assemblies. (2) This method shall not ...

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NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

Revision

BSR/NFPA 269-202x, Standard Test Method for Developing Toxic Potency Data for Use in Fire Hazard Modeling (revision of ANSI/NFPA 269-2017)

The pyrolysis or combustion of every combustible material or product produces smoke that is toxic. A standard test method for the development of data for use in toxic hazard modeling is valuable. Such data include quantification of the toxicity of the smoke. It also is desirable to ascertain whether the observed toxicity can be attributed to the major common toxicants. This test method is intended to provide a means for assessing the lethal toxic potency of combustion products produced from a material or product ignited when exposed to a radiant flux. This test method has been designed to generate toxic potency data on materials and products (including composites) for use in fire hazard analysis. It is also permitted to be used to assist in the research and development of materials and products. Lethal Toxic Potency Values: (1) Lethal toxic potency values associated with 30-minute exposures are predicted using calculations that employ combustion atmospheric analytical data for carbon monoxide, carbon dioxide, oxygen (vitiation), and, if present, hydrogen cyanide, hydrogen chloride, and hydrogen bromide; (2) These predictive equations are therefore limited to those materials and products whose smoke toxicity can be attributed to these toxicants.

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NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

Revision

BSR/NFPA 275-202x, Standard Method of Fire Tests for the Evaluation of Thermal Barriers (revision of ANSI/NFPA 275-2017)

This method of fire tests for qualifying a thermal barrier for protecting foam plastic insulation or metal composite materials (MCM), referred to in this standard as a thermal barrier, is applicable to building construction materials, products, or assemblies intended to be used to protect foam plastic insulation or MCM from direct fire exposure. (A) Model building codes require foam plastic insulation and, in some installations, metal composite material (MCM), to be covered by a thermal barrier, or separated from the interior of the building by, a thermal barrier to reduce the possibility of ignition or delay its occurrence. The typical time specified is 15 minutes based on a fire exposure similar to that in ASTM E119 or ANSI/UL 263. The fire exposure conditions in these test methods are similar. The performance of the thermal barrier is evaluated by its ability to limit the temperature rise on its unexposed surface and by the ability of the thermal barrier to remain intact in order to provide protection from ignition of the foam plastic insulation or MCM during a standard fire exposure. This method of fire tests does not evaluate thermal barriers used in or on upholstered furniture or mattresses.

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NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

Revision

BSR/NFPA 285-202x, Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components (revision of ANSI/NFPA 285-2019)

This standard provides a test method for determining the fire propagation characteristics of exterior wall assemblies and panels used as components of curtain wall assemblies that are constructed using combustible materials or that incorporate combustible components. The fire propagation characteristics are determined for post-flashover fires of interior origin.

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NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 287-202x, Standard Test Methods for Measurement of Flammability of Materials in Cleanrooms Using a Fire Propagation Apparatus (FPA) (revision of ANSI/NFPA 287-2017)

This standard shall determine and quantify the flammability characteristics of materials containing polymers that are used in cleanroom applications. (1) The propensity of these materials to support fire propagation, as well as other flammability characteristics, are quantified by means of a fire propagation apparatus; (2) Measurements obtained include time to ignition (tign), chemical (Qchem), and convective (Qc) heat release rates, mass loss rates m, and smoke extinction coefficient (D). This standard includes the following separate test methods: (1) The ignition test, which shall be used for the determination of tign; (2) The combustion test, which shall be used for the determination of Qchem, Qc, m, and D; and (3) The fire propagation test, which shall be used for the determination of Qchem from burning of a vertical specimen.

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NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 350-202x, Guide for Safe Confined Space Entry and Work (revision of ANSI/NFPA 350-2019)

This guide provides information to protect workers from confined-space hazards. This guide supplements existing confined-space regulations, standards, and work practices by providing additional guidance for safe confined space entry and work. References are provided throughout the guide and annexes to direct the reader to other regulations and standards or other content that might be applicable. This guide provides information to identify, evaluate, assess, and then eliminate, mitigate, or control hazards that are present or that may occur during entry into or work in and around confined spaces. This guide provides information on how to understand confined-space safety and safeguard personnel from fire, explosion, and other health hazards that are uniquely associated with confined spaces.

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Comment Deadline: November 9, 2020

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

Revision

BSR/NFPA 385-202x, Standard for Tank Vehicles for Flammable and Combustible Liquids (revision of ANSI/NFPA 385-2017)

This standard shall apply to tank vehicles used for the transportation of asphalt and for the transportation of normally stable flammable and combustible liquids with flash points below 200°F (93°C). (A) Normally stable materials are those having the relative capacity to resist changes in their chemical composition that would produce violent reactions or detonations despite exposure to air, water, or heat, including the normal range of conditions encountered in handling, storage, or transportation. Unstable (reactive) flammable and combustible liquids are liquids that, in the pure state or as commercially produced or transported, will vigorously polymerize, decompose, condense, or become self-reactive under conditions of shock, pressure, or temperature. This standard shall also provide minimum requirements for the design and construction of cargo tanks and their appurtenances and shall set forth certain matters pertaining to tank vehicles. The provisions of this standard shall not preclude the use of additional safeguards for tank vehicles used for the transportation of flammable and combustible liquids having characteristics that introduce additional factors such as high rates of expansion, instability, corrosiveness, and toxicity. The provisions of this standard shall also apply to cutback asphalts that have flash points below...

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NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 408-202x, Standard for Aircraft Hand Portable Fire Extinguishers (revision of ANSI/NFPA 408-2017)

This standard specifies requirements for the type, capacity, rating, number, location, installation, and maintenance of aircraft hand-portable fire extinguishers to be provided for the use of flight crew members or other occupants of an aircraft for the control of incipient fires in the areas of aircraft that are accessible during flight. This standard also includes requirements for training flight crew members in the use of these extinguishers. This standard does not cover fire detection and fixed fire-extinguishing systems installed in an aircraft or fire detection and fire-extinguishing systems for the protection of ground maintenance operations. Specific protection for Class D fires and for fires in hazardous materials is beyond the scope of this standard.

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NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

Revision

BSR/NFPA 550-202x, Guide to the Fire Safety Concepts Tree (revision of ANSI/NFPA 550-2017)

This guide describes the structure, application, and limitations of the Fire Safety Concepts Tree.

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NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

Revision

BSR/NFPA 551-202x, Guide for the Evaluation of Fire Risk Assessments (revision of ANSI/NFPA 551-2019)

This guide is intended to provide assistance, primarily to authorities having jurisdiction (AHJs), in evaluating the appropriateness and execution of a fire risk assessment (FRA) for a given fire safety problem. While this guide primarily addresses regulatory officials, it also is intended for others who review FRAs, such as insurance company representatives and building owners.

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Comment Deadline: November 9, 2020

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

Revision

BSR/NFPA 900-202x, Building Energy Code (revision of ANSI/NFPA 900-2019)

These regulations shall control the minimum energy-efficient requirements for the following: (1) The design, construction, reconstruction, alteration, repair, demolition, removal, inspection, issuance, and revocation of permits or licenses; installation of equipment related to energy conservation in all buildings and structures and parts thereof; (2) The rehabilitation and maintenance of construction related to energy efficiency in existing buildings; (3) The standards or requirements for materials to be used in connection therewith.

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NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

Revision

BSR/NFPA 1150-202x, Standard on Foam Chemicals for Fires in Class A Fuels (revision of ANSI/NFPA 1150-2017)

This standard specifies requirements for Class A foam and the chemicals used to produce Class A foam that is used to control, suppress, or prevent fires in Class A fuels. Class A foam solutions are generally used at concentrations in the range of 0.1 percent to 1.0 percent, and testing over this range of concentrations is required by this standard. However, situations can occur when either lower- or higher-concentration solutions would be more effective. For example, Class A foam solutions lower than 0.1 percent concentration can, in some cases, be as effective as higher concentrations in wetting and penetrating into deep-seated fires. Also, concentrations higher than 1.0 percent can have benefits in some situations. See NFPA 1145, Guide for the Use of Class A Foams in Manual Structural Fire Fighting.

Obtain an electronic copy from: www.nfpa.org/1150Next
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SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 p: (800) 542-5040 w: www.scte.org

Revision

BSR/SCTE 213-202x, Edge and Core Facilities Energy Metrics (revision of ANSI/SCTE 213-2015)

This document provides a metric to help operators measure how changes in the service impact energy consumption at the critical facility, from both a high-level and functional work perspective.

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Obtain an electronic copy from: admin@standards.scte.org
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UL (Underwriters Laboratories)

12 Laboratory Drive, P.O. Box 13995, Research Triangle Park, NC 27709-3995 p: (919) 549-1391 w: https://ul.org/

New Standard

BSR/UL 62841-3-7-202x, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-7: Particular Requirements For Transportable Wall Saws (new standard)

This proposal for UL 62841-3-7 covers: Proposed adoption of the first edition of IEC 62841-3-7, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-7: Particular Requirements for Transportable Wall Saws, as the first edition of UL 62841-3-7.

Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
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Comment Deadline: November 9, 2020

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062 p: (847) 664-1292 w: https://ul.org/

Revision

BSR/UL 498-202x, Standard for Safety for Attachment Plugs and Receptacles (revision of ANSI/UL 498-2020)

This proposal for UL 498 covers: (1) Re-organization of receptacle markings Table (193.4) and (2) Revision of Figure 100.1 for improper insertion blades.

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UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-1851 w: https://ul.org/

Revision

BSR/UL 121203-202x, Recommended Practice for Portable/Personal Electronic Products Suitable for Use in Class I, Division 2, Class I, Zone 2, Class II, Division 2, Class III, Division 1, Class III, Division 2, Zone 21 and Zone 22 Hazardous (Classified) Locations (revision and redesignation of ANSI/UL 121203-2011 (R2015))

This proposal for UL 121203 provides revisions to the proposal document dated May 15, 2020 per comments received.

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WDMA (Window and Door Manufacturers Association)

2025 M Street NW, Suite 800, Washington, DC 20036-3309 p: (202) 367-1157 w: www.wdma.com

Revision

BSR/WDMA I.S.1A-202x, Industry Standard for Interior Architectural Wood Flush Doors (revision of ANSI/WDMA I.S. 1A -2013)

WDMA I.S.1A, Industry Standard for Interior Architectural Wood Flush Doors, defines the aesthetic grades and performance duty levels for interior architectural wood flush doors. The standard identifies the performance requirements and test methods that products complying with the standard are evaluated on an equal basis. The standard provides a logical system of references, keyed to a guide specification, to facilitate thorough, precise, and accurate architectural specifications.

Single copy price: Free
Obtain an electronic copy from: https://www.wdma.com/page/REVISION-WDMAIS1AInteriorArchitecturalWoodFlushDoorsSecondDraftBallot

Send comments (with optional copy to psa@ansi.org) to: Comments may be submitted electronically on the WDMA ballot page https://www.wdma.com/page/WDMAIS1A-20XXInteriorArchitecturalWoodFlushDoors or e-mailed to Steve Orlowski at sorlowski@wdma.com

Comment Deadline: November 9, 2020

WDMA (Window and Door Manufacturers Association)

2025 M Street NW, Suite 800, Washington, DC 20036-3309 p: (202) 367-1157 w: www.wdma.com

Revision

BSR/WDMA I.S.6A-202x, Industry Standard for interior Architectural Wood Stile and Rail Doors (revision of ANSI/WDMA I. S.6A-2013)

WDMA I.S.6A, Industry Standard for Interior Architectural Wood Stile and Rail Doors, defines the aesthetic grades and performance duty levels for interior architectural wood stile and rail doors. The standard identifies the performance requirements and test methods that products complying with the standard are evaluated on an equal basis. The standard provides a logical system of references, keyed to a guide specification, to facilitate thorough, precise and accurate architectural specifications.

Single copy price: Free
Obtain an electronic copy from: https://www.wdma.com/general/custom.asp?page=REVISION-WDMAIS6AInteriorArchitecturalWoodStileandRailDoorsFirstDraftBallot
Send comments (with optional copy to psa@ansi.org) to: Comments may be submitted electronically on the WDMA ballot page (https://www.wdma.com/general/custom.asp?page=REVISION-WDMAIS6AInteriorArchitecturalWoodStileandRailDoorsFirstDraftBallot) or e-mailed to Steve Orlowski at sorlowski@wdma.com

Comment Deadline: November 24, 2020

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 p: (212) 591-8489 w: www.asme.org

Reaffirmation

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

BSR/ASME B29.28-2015 (R202x), High-Strength Chains for Power Transmission and Tension Linkages (reaffirmation of ANSI/ASME B29.28-2015)

This Standard covers roller chains that are specifically designed to withstand occasional high shock loads or high starting loads that are encountered in certain construction equipment and other severe-duty applications.

Single copy price: $38.00
Obtain an electronic copy from: http://cstools.asme.org/publicreview
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Send comments (with optional copy to psa@ansi.org) to: Justin Cassamassino (212) 591-8404 cassasmassinoj@asme.org

Comment Deadline: November 24, 2020

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 p: (212) 591-8489 w: www.asme.org

Reaffirmation

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

BSR/ASME B29.300-2015 (R202x), Agricultural, Detachable, and Pintle Chains, Attachments, and Sprockets (reaffirmation of ANSI/ASME B29.300-2015)

AGRICULTURAL CHAINS: This Standard covers chains that are a series of alternately assembled roller links and pin links in which the pins articulate inside the bushings and the rollers are free to turn on the bushings. The pitch of the sidebars is derived from the pitch of B29.6 series chain contained in the B29.300 Standard. Pin link plates and roller link plates have identical contours.
DETACHABLE CHAINS: This Standard covers chains that are a series of successively assembled steel links in which the end bars articulate inside the hook. The chain is detached by flexing it and driving the end bar out of the adjoining hook. Sprockets for use with steel detachable chains covered by this Standard are only those with dimensions controlling the surfaces that must properly engage or clear the chain.
PINTLE CHAINS: This Standard covers chains that are a series of one-piece formed links, connected by pins, that articulate within the barrels of adjacent links. Each link has a barrel end and an open end. The pins are fixed against rotation by mechanical locks or interference fits at the open end of the link. The barrels are open, leaving the pins exposed on one side. Sprocket contact is made against the barrel or against the exposed pin.

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CSA (CSA America Standards Inc.)

8501 E. Pleasant Valley Road, Cleveland, OH 44131 p: (216) 524-4990 w: www.csagroup.org

New Standard

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

BSR/CSA NGV 4.7-202x, Automatically pressure operated valves for natural gas dispensing systems (new standard)

These requirements apply to automatic valves used in compressed natural gas dispensing systems. Types of automatic valves included in this document are Pneumatically actuated - ball, needle/globe valves, excess flow valves, diaphragm valves, dome load valves, and emergency shutdown (ESD) valves. Types of automatic valves which are not included in this document are electrically actuated valves, hydraulically actuated valves, pressure-relief valves, and pressure-regulating valves.

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New National Adoption

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

BSR/UL 80079-36-202x, Standard for Safety for Explosive Atmospheres - Part 36: Non-Electrical Equipment for Explosive Atmospheres - Basic Method and Requirements (national adoption with modifications of ISO/IEC 80079-36)

This proposal for UL 80079-36 specifies the basic method and requirements for design, construction, testing, and marking of non-electrical Ex equipment, Ex Components, protective systems, and devices and assemblies of these products that have their own potential ignition sources and are intended for use in explosive atmospheres. This US adoption will be based off of ISO/IEC 80079-36, Explosive Atmospheres - Part 36: Non-Electrical Equipment for Explosive Atmospheres - Basic Method and Requirements, (first edition, issued by ISO/IEC February 2016).

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: November 24, 2020

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-1851 w: https://ul.org/

New National Adoption

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

BSR/UL 80079-37-202x, Standard for Safety for Explosive Atmospheres - Part 37: Non-Electrical Equipment for Explosive Atmospheres - Non Electrical Type of Protection Constructional Safety c, Control of Ignition Source b, Liquid Immersion k (national adoption with modifications of ISO/IEC 80079-37)

This proposal for UL 80079-37 covers the requirements for the design and construction of non-electrical equipment, intended for use in explosive atmospheres, protected by the types of protection constructional safety “c”, control of ignition source “b” and liquid immersion “k”. This US adoption is based off of ISO/IEC 80079-37, Explosive Atmospheres - Part 37: Non-Electrical Equipment for Explosive Atmospheres - Non Electrical Type of Protection Constructional Safety “c”, Control of Ignition Source “b” Liquid Immersion “k”, (first edition, issued by ISO/IEC February 2016).

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

Project Withdrawn

In accordance with clause 4.2.1.3.3 Discontinuance of a standards project of the ANSI Essential Requirements, an accredited standards developer may abandon the processing of a proposed new or revised American National Standard or portion thereof if it has followed its accredited procedures. The following projects have been withdrawn accordingly:

DSI (Dental Standards Institute, Inc.)

109 Bushaway Road, Suite 100, Wayzata, MN 55391 p: (763) 290-0004 w: https://dentalstandardsinstitute.com/

BSR/DSI CNST1.1-202x, Visualization of the Digital Dental Patient Chart Notes (DCN) (new standard)

Inquiries may be directed to Bryan Laskin (763) 290-0004 bryan@operadds.com

Call for Members (ANS Consensus Bodies)

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

AAMI (Association for the Advancement of Medical Instrumentation)

Contact: Wil Vargas (703) 647-2779 wvargas@aami.org, 901 N. Glebe Road, Suite 300, Arlington, VA 22203

BSR/AAMI HIT1000-1-202x, Health IT Software and Systems - Part 1: Fundamental concepts and principles (new standard)

AARST (American Association of Radon Scientists and Technologists)

Contact: Gary Hodgden (202) 830-1110 StandardsAssist@gmail.com, 527 Justice Street, Hendersonville, NC 28739

BSR/AARST MALB-202x, Protocol for Conducting Measurements of Radon and Radon Decay Products in Schools and Large Buildings (revision of ANSI/AARST MALB-2014)

BSR/AARST MAMF-202x, Protocol for Conducting Measurements of Radon and Radon Decay Products in Multifamily Buildings (revision of ANSI/AARST MAMF-2017)

ABYC (American Boat and Yacht Council)

Contact: Sara Moulton (410) 990-4460 smoulton@abycinc.org, 613 Third Street, Suite 10, Annapolis, MD 21403

BSR/ABYC C-1-202x, Primer Bulbs (revision of ANSI/ABYC C-1-2016)

Looking for membership candidates from the following sectors: Insurance/Survey, Specialist Service, Consumer, Manufacturer - Boats, Trade Associations, Government.

AHRI (Air-Conditioning, Heating, and Refrigeration Institute)

Contact: Karl Best (703) 293-4887 kbest@ahrinet.org, 2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001

BSR/AHRI Standard 886 (SI)-202x, Procedure for Estimating Occupied Space Sound Levels in the Application of Air Terminals and Air Outlets (new standard)

ASA (ASC S3) (Acoustical Society of America)

Contact: Nancy Blair-DeLeon (516) 576-2341 standards@acousticalsociety.org, 1305 Walt Whitman Road, Suite 300,

BSR/ASA S3.2-202x, Method for Measuring the Intelligibility of Speech over Communication Systems (revision of ANSI/ASA S3.2-2009 (R2020))

ASME (American Society of Mechanical Engineers)

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

BSR/ASME PHM-01-202x, Guideline for When and Where PHM should be Integrated in Manufacturing Operations (new standard)

HI (Hydraulic Institute)

Contact: Susie deBel (862) 242-5339 sdebel@pumps.org, 300 Interpace Parkway, Bldg A – 3rd Floor, Parsippany, NJ 07054

BSR/HI 9.1-9.5-202x, Pumps - General Guidelines (revision of ANSI/HI 9.1-9.5-2015)

ICC (International Code Council)

Contact: Karl Aittaniemi (888) 422-7233 4205 kaittaniemi@iccsafe.org, 4051 Flossmoor Road, Country Club Hills, IL 60478

BSR/ICC 400-202x, Standard on the Design and Construction of Log Structures (revision of ANSI/ICC 400-2017)

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.

NSF (NSF International)

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

BSR/NSF 4-202x (i28r4), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2019)

BSR/NSF 169-202x (i10r1), Special Purpose Food Equipment and Devices (revision of ANSI/NSF 169 -2016)

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

BSR/NSF 245-202x (i19r3), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2019)

WDMA (Window and Door Manufacturers Association)

Contact: Steve Orlowski (202) 367-1157 sorlowski@wdma.com, 2025 M Street NW, Suite 800, Washington, DC 20036-3309

BSR/WDMA I.S.1A-202x, Industry Standard for Interior Architectural Wood Flush Doors (revision of ANSI/WDMA I.S. 1A-2013)

BSR/WDMA I.S.6A-202x, Industry Standard for interior Architectural Wood Stile and Rail Doors (revision of ANSI/WDMA I.S.6A-202x)

Call for Members (ANS Consensus Bodies)

AAMI (Association for the Advancement of Medical Instrumentation)

Pacemaker and ICD MRI Compatibility Working Group

AAMI is seeking user, regulatory, and general interest members to participate on the Pacemaker and ICD MRI Compatibility working group (see definitions below). That group is developing AAMI/PC76, *Active implantable medical devices – Requirements and test protocols for safety of patients with pacemakers and ICDs exposed to magnetic resonance imaging*. This document will provide requirements and test protocols for implantable pacemakers and ICDs exposed to magnetic resonance imaging (MRI). Physicians are increasingly using magnetic resonance imaging as tool for differential diagnostic and this document will help ensure patient safety during such procedures.

The AAMI Health IT working group is also seeking industry, general interest, and regulator members to participate in the development of AAMI HIT1000-1, *Health IT Software and Systems – Part 1: Fundamental concepts and principles*. This document identifies the fundamental concepts and principles needed to maintain safe, secure and effective health IT software and systems. It also identifies the roles, and defines the responsibilities, activities and best practices that are necessary for managing safety, security and effectiveness of health IT software and systems. It applies throughout the whole lifecycle of health IT software and systems and to all sizes and type of actors involved with that system.

> **User –** Individuals in this interest category include clinicians, employees or representatives of Healthcare Delivery Organizations, clinical consultants, patients, etc.
>
> **Regulatory –** This interest category includes those representing federal, state, local, foreign, or other government entities.
>
> **General Interest –** This interest category can include noncommercial academicians, noncommercial researchers, patient or consumer advocates, representatives of accrediting organizations, representatives of other organizations, etc.
>
> **Industry –** This interest category includes manufacturers, those involved in supply chains, employees of test labs or commercial labs, industry consultants, etc.

For information on joining either of these efforts, please email standards@aami.org.

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

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

- General Interest
- Government
- Producer
- User

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

Final Actions on American National Standards

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

AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 p: (719) 453-1036 w: www.aafs.org

New Standard

ANSI/ASB Std 035-2020, Standard for the Examination of Documents for Alterations (new standard): 9/18/2020

AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 p: (719) 453-1036 w: www.aafs.org

New Standard

ANSI/ASB Std 077-2020, Standard for the Developmental and Internal Validation of Forensic Serological Methods (new standard): 9/16/2020

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 p: (202) 330-9306 w: www.api.org

Revision

ANSI/API STANDARD 2350-2020, Overfill Prevention for Atmospheric Storage Tanks in Petroleum Facilities (revision of ANSI/API STANDARD 2350-2012): 9/16/2020

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 p: (212) 591-8489 w: www.asme.org

Revision

ANSI/ASME B31.8-2020, Gas Transmission and Distribution Piping Systems (revision of ANSI/ASME B31.8-2018): 9/18/2020

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 p: (212) 591-8489 w: www.asme.org

Revision

ANSI/ASME B31.9-2020, Building Services Piping (revision of ANSI/ASME B31.9-2017): 9/16/2020

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

ANSI/ASTM D2774-2020, Practice for Underground Installation of Thermoplastic Pressure Piping (revision of ANSI/ASTM D2774-2012): 9/15/2020

B11 (B11 Standards, Inc.)

P.O. Box 690905, Houston, TX 77269 p: (832) 446-6999 w: https://www.b11standards.org/

Revision

ANSI B11.13-2020, Safety Requirements for Single-Spindle or Multiple-Spindle Automatic Bar and Chucking Machines (revision of ANSI B11.13-1992 (R2020)): 9/18/2020

CSA (CSA America Standards Inc.)

8501 E. Pleasant Valley Road, Cleveland, OH 44131 p: (216) 524-4990 w: www.csagroup.org

Revision

ANSI/CSA NGV 4.6-2020, Manually operated valves for natural gas dispensing systems (revision and redesignation of ANSI/IAS NGV 4.6/CSA 12.56-1999 (R2019)): 9/14/2020

HL7 (Health Level Seven)

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 p: (313) 550-2073 104 w: www.hl7.org

Revision

ANSI/HL7 V2 Conformance, R1-2020, HL7 Version 2 Specification: Conformance, Release 1 (revision and partition of ANSI/HL7 V2.9-2019): 9/18/2020

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 p: (708) 995-3017 w: www.asse-plumbing.org

Revision

ANSI/ASSE 1055-2020, Performance Requirements for Chemical Dispensers with Integral Backflow Protection (revision of ANSI/ASSE 1055-2018): 9/17/2020

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 p: (708) 995-3015 w: www.asse-plumbing.org

Revision

ANSI/ASSE Series 15000-2020, Professional Qualifications Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems (revision of ANSI/ASSE Series 15000-2015): 9/15/2020

NEMA (ASC C37) (National Electrical Manufacturers Association)

13 North 17th Street, Suite 900, Rosslyn, VA 22209 p: (703) 841-3205 w: www.nema.org

Reaffirmation

ANSI C37.54-2003 (R2020), Standard for Alternating Current High-Voltage Circuit Breakers Applied in Metal-Enclosed Switchgear Conformance Test Procedures (reaffirmation of ANSI C37.54-2003 (R2010)): 9/17/2020

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 p: (703) 841-3288 w: www.nema.org

Reaffirmation

ANSI/NEMA OS 1-2014 (R2020), Sheet-Steel Outlet Boxes, Device Boxes, Covers, and Box Supports (reaffirmation of ANSI/NEMA OS 1-2014): 9/17/2020

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 p: (703) 841-3288 w: www.nema.org

Reaffirmation

ANSI/NEMA OS 2-2014 (R2020), Nonmetallic Outlet Boxes, Device Boxes, Covers, and Box Supports (reaffirmation of ANSI/NEMA OS 2-2014): 9/17/2020

NETA (InterNational Electrical Testing Association)

3050 Old Centre, Suite 101, Portage, MI 49024 p: (269) 488-6382 w: www.netaworld.org

Revision

ANSI/NETA ATS-2021-2020, NETA Standard for Acceptance Testing Specifications for Electrical Power Equipment & Systems (revision of ANSI/NETA ATS-2017): 9/18/2020

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-3817 w: www.nsf.org

Revision

ANSI/NSF 49-2020 (i154r2), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2019): 9/17/2020

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 418-6660 w: www.nsf.org

Revision

ANSI/NSF 350-2020 (i49r2), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2020): 9/15/2020

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201 p: (703) 907-7706 w: www.tiaonline.org

Revision

ANSI/TIA 455-244-A-2020, Methods for Measuring the Change in Transmittance of Optical Fibers in Expressed Buffer Tubes When Subjected to Temperature Cycling Revision (revision and redesignation of ANSI/TIA 455-244-2011): 9/18/2020

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 p: (510) 319-4259 w: https://ul.org/

Revision

ANSI/UL 296-2020, Standard for Safety for Oil Burners (revision of ANSI/UL 296-2017): 9/17/2020

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 (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)**

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

ANSI-Accredited Standards Developers Contact Information

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

AAFS
American Academy of Forensic Sciences
410 North 21st Street
Colorado Springs, CO 80904
p: (719) 453-1036
www.aafs.org

AAMI
Association for the Advancement of Medical Instrumentation
901 N. Glebe Road
Suite 300
Arlington, VA 22203
p: (703) 647-2779
www.aami.org

AARST
American Association of Radon Scientists and Technologists
527 Justice Street
Hendersonville, NC 28739
p: (202) 830-1110
www.aarst.org

ABYC
American Boat and Yacht Council
613 Third Street
Suite 10
Annapolis, MD 21403
p: (410) 990-4460
www.abycinc.org

AHRI
Air-Conditioning, Heating, and Refrigeration Institute
2311 Wilson Boulevard
Suite 400
Arlington, VA 22201-3001
p: (703) 293-4887
www.ahrinet.org

API
American Petroleum Institute
200 Massachusetts Avenue NW
Washington, DC 20001
p: (202) 330-9306
www.api.org

ASA (ASC S3)
Acoustical Society of America
1305 Walt Whitman Road
Suite 300
Melville, NY 11747
p: (516) 576-2341
www.acousticalsociety.org

ASHRAE
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
1791 Tullie Circle, NE
Atlanta, GA 30329
p: (404) 636-8400
www.ashrae.org

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

ASSP (ASC A10)
American Society of Safety Professionals
520 N. Northwest Hwy.
Park Ridge, IL 60068
p: (847) 768-3475
www.assp.org

ASTM
ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428 -2959
p: (610) 832-9744
www.astm.org

AWS
American Welding Society
8669 NW 36th Street
Suite 130
Miami, FL 33166-6672
p: (305) 443-9353 334
www.aws.org

B11
B11 Standards, Inc.
P.O. Box 690905
Houston, TX 77269
p: (832) 446-6999
https://www.b11standards.org/

CSA
CSA America Standards Inc.
8501 E. Pleasant Valley Road
Cleveland, OH 44131
p: (216) 524-4990
www.csagroup.org

HI
Hydraulic Institute
300 Interpace Parkway
Bldg A – 3rd Floor
Parsippany, NJ 07054
p: (862) 242-5339
www.pumps.org

HL7
Health Level Seven
3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104
p: (313) 550-2073 104
www.hl7.org

HPS (ASC N43)
Health Physics Society
1313 Dolley Madison Blvd #402
McLean, VA 22101
p: (703) 790-1745
www.hps.org

IAPMO (ASSE Chapter)
ASSE International Chapter of IAPMO
18927 Hickory Creek Drive
Suite 220
Mokena, IL 60448
p: (909) 519-0740
www.asse-plumbing.org

IAPMO (Z)
International Association of Plumbing & Mechanical Officials
5001 East Philadelphia Street
Ontario, CA 91761
p: (909) 230-5534
https://www.iapmostandards.org

ICC
International Code Council
4051 Flossmoor Road
Country Club Hills, IL 60478
p: (888) 422-7233 4205
www.iccsafe.org

IIAR
International Institute of Ammonia Refrigeration
1001 North Fairfax Street
Alexandria, VA 22314
p: (703) 312-4200
www.iiar.org

MHI (ASC MHC)
Material Handling Industry
8720 Red Oak Boulevard
Suite 201
Charlotte, NC 28217
p: (704) 714-8755
www.mhi.org

NEMA (ASC C37)
National Electrical Manufacturers Association
13 North 17th Street
Suite 900
Rosslyn, VA 22209
p: (703) 841-3205
www.nema.org

NEMA (ASC C8)
National Electrical Manufacturers Association
1300 North 17th Street
Rosslyn, VA 22209
p: (703) 841-3278
www.nema.org

NEMA (ASC W1)
National Electrical Manufacturers Association
1300 North 17th Street
Rosslyn, VA 22209
p: (703) 841-3278
www.nema.org

NEMA (Canvass)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 900
Arlington, VA 22209
p: (703) 841-3288
www.nema.org

NETA
InterNational Electrical Testing Association
3050 Old Centre
Suite 101
Portage, MI 49024
p: (269) 488-6382
www.netaworld.org

NFPA
National Fire Protection Association
One Batterymarch Park
Quincy, MA 02269-9101
p: (617) 984-7248
www.nfpa.org

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

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

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

UL
Underwriters Laboratories
333 Pfingsten Road
Northbrook, IL 60062-2096
p: (847) 664-2850
https://ul.org/

WDMA
Window and Door Manufacturers Association
2025 M Street NW, Suite 800
Washington, DC 20036-3309
p: (202) 367-1157
www.wdma.com

ISO & IEC Draft International Standards

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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 22753, Molecular biomarker analysis - Method for the statistical evaluation of analytical results obtained in testing sub-sampled groups of genetically modified seeds and grains - General requirements and definitions - 12/10/2020, $88.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO/DIS 12239, Fire protection equipment - Self-contained smoke alarms - 11/5/2012, $134.00

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

ISO 19111/DAmd1, Geographic information - Referencing by coordinates - Amendment 1 - 12/10/2020, $29.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 8600-8, Endoscopes - Medical endoscopes and endotherapy devices - Part 8: Particular requirements for capsule endoscopes - 12/10/2020, $40.00

SOLID MINERAL FUELS (TC 27)

ISO/DIS 18283, Coal and coke - Manual sampling - 12/7/2020, $134.00

IEC Standards

1/2445/FDIS, IEC 60050-195 ED2: International Electrotechnical Vocabulary (IEV) - Part 195: Earthing and protection against electric shock, 10/23/2020

1/2446/FDIS, IEC 60050-195 ED2: International Electrotechnical Vocabulary (IEV) - Part 195: Earthing and protection against electric shock, 10/23/2020

2/2015/CDV, IEC 60034-18-1 ED3: Rotating electrical machines - Part 18-1: Functional evaluation of insulation systems - General guidelines, 12/04/2020

2/2016/CDV, IEC 60034-18-32 ED2: Rotating electrical machines - Part 18-32: Functional evaluation of insulation systems - Electrical endurance qualification procedures for form-wound windings, 12/04/2020

8/1558/CD, IEC TS 63222 ED1: Guidelines for network management - Power quality management, 12/04/2020

9/2626/Q, Proposed technical corrigendum to IEC 63076 Ed. 1.0 (2019-09-13): Railway applications - Rolling stock - Electrical equipment in trolley buses - Safety requirements and current collection systems, 10/23/2020

14/1060/CD, IEC 60076-4 ED2: Power transformers - Part 4: Guide to the lightning impulse and switching impulse testing - Power transformers and reactors, 12/04/2020

23B/1326/FDIS, IEC 60669-2-1 ED5: Switches for household and similar fixed electrical installations - Part 2-1: Particular requirements - Electronic control devices, 10/23/2020

40/2765/CDV, IEC 60286-1/AMD1 ED3: Amendment 1 - Packaging of components for automatic handling - Part 1: Tape packaging of components with axial leads on continuous tapes, 12/04/2020

40/2766/CDV, IEC 60384-1 ED6: Fixed capacitors for use in electronic equipment - Part 1: Generic specification, 12/04/2020

45/904(F)/FDIS, IEC 63048 ED1: Mobile remotely controlled systems for nuclear and radiological applications - General requirements, 10/02/2020

46F/519/CD, IEC 61169-68 ED1: Radio-frequency connectors - Part 68: Sectional specification for series TRK bayonet coupling triaxial connectors, 12/04/2020

46F/520/CD, IEC 61169-1-6 ED1: Radio-frequency connectors - Part 1-6: Electrical test methods - RF power, 12/04/2020

47/2656/CD, IEC 62951-9 ED1: Semiconductor devices - Flexible and stretchable semiconductor devices - Part 9: Performance testing methods of one transistor and one resistor (1T1R) resistive memory cells, 12/04/2020

47E/718/NP, PNW 47E-718 ED1: Semiconductor devices - Part 18-4: Semiconductor bio sensors - Evaluation method of noise characteristics of lens-free CMOS photonic array sensors, 12/04/2020

47E/719/NP, PNW 47E-719 ED1: Semiconductor devices - Part 18-5: Semiconductor bio sensors - Evaluation method for light responsivity characteristics of lens-free CMOS photonic array sensor package modules by incident angle of light, 12/04/2020

47F/363/CDV, IEC 62047-38 ED1: Semiconductor devices - Micro-electromechanical devices - Part 38: Test method for adhesion strength of metal powder paste in MEMS interconnection, 12/04/2020

48B/2844/CD, IEC 60512-27-200 ED1: Connectors for electrical and electronic equipment - Tests and measurements - Part 27-200: Additional specifications for signal integrity tests up to 2 000 MHz on IEC 60603-7 series connectors - Tests 27a to 27g, 12/04/2020

61J/735/CDV, IEC 60335-2-67 ED5: Household and similar electrical appliances - Safety - Part 2-67: Particular requirements for floor treatment machines, for commercial use, 12/04/2020

61J/736/CDV, IEC 60335-2-68 ED5: Household and similar electrical appliances - Safety - Part 2-68: Particular requirements for spray extraction machines, for commercial use, 12/04/2020

61J/737/CDV, IEC 60335-2-69 ED6: Household and similar electrical appliances - Safety - Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for commercial use, 12/04/2020

61J/738/CDV, IEC 60335-2-72 ED5: Household and similar electrical appliances - Safety - Part 2-72: Particular requirements for floor treatment machines with or without traction drive, for commercial use, 12/04/2020

61J/739/CDV, IEC 60335-2-79 ED5: Household and similar electrical appliances - Safety - Part 2-79: Particular requirements for high pressure cleaners and steam cleaners, 12/04/2020

65/835(F)/FDIS, IEC 61010-2-202 ED2: Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-202: Particular requirements for electrically operated valve actuators, 10/09/2020

65C/1059/CD, IEC 61784-5-22 ED1: Industrial communication networks - Profiles - Part 5-22: Installation of fieldbuses - Installation profiles for CPF 22, 12/04/2020

65C/1060/CD, IEC 61784-5-8 ED3: Industrial communication networks - Profiles - Part 5-8: Installation of fieldbuses - Installation profiles for CPF 8, 12/04/2020

68/665/CDV, IEC 60404-11 ED2: Magnetic materials - Part 11: Methods of measurement of the surface insulation resistance of electrical steel strip and sheet, 12/04/2020

76/661/DTR, IEC TR 60825-14 ED2: Safety of laser products - Part 14: A user's guide, 11/06/2020

76/662/DTR, IEC TR 60825-3 ED3: Safety of laser products - Part 3: Guidance for laser displays and shows, 11/06/2020

86A/2035/CDV, IEC 60794-1-403 ED1: Optical Fibre Cables - Basic optical cable test procedures - Part 403: Electrical test methods - Electrical continuity test of cable metallic elements, Method H3, 12/04/2020

86A/2046/NP, PNW 86A-2046 ED1: Optical fibre cables - Part 2-23: Indoor optical fibre cables - Detailed specification for multi-fibre cables for use in MPO connector terminated cable assemblies, 12/04/2020

86A/2047/NP, PNW 86A-2047 ED1: Optical fibre cables - Part 2-24: Indoor optical fibre cables - Detailed specification for multiple multi-fibre unit cables for use in MPO connector terminated breakout cable assemblies, 12/04/2020

86A/2048/NP, PNW 86A-2048 ED1: Optical fibre cables - Basic optical cable test procedures - Part 1-221: Environmental test methods - Fungus resistance, 12/04/2020

86C/1684/CDV, IEC 62148-21 ED2: Fibre optic active components and devices - Package and interface standards - Part 21: Design guide of electrical interface of PIC packages using silicon fine-pitch ball grid array (S-FBGA) and silicon fine-pitch land grid array (S-FLGA), 12/04/2020

88/784/NP, PNW TS 88-784 ED1: Wind Turbine - Siting Risk Assessment, 12/04/2020

91/1661/CDV, IEC 61189-2-501 ED1: Test methods for electrical materials, printed board and other interconnection structures and assemblies - Part 2-501: Test methods for materials for interconnection structures - Measurement of Resilience strength and Resilience strength Retention Factor of Flexible Dielectric Materials, 12/04/2020

91/1663/CDV, IEC 62878-2-602 ED1: Device Embedding assembly technology - Part 2-602: Guideline for stacked electronic module - Evaluation method of inter-module electrical connectivity, 12/04/2020

103/196/CD, IEC 63098-2 ED1: Transmitting equipment for radiocommunication - Radio-over-fibre technologies and their performance standard - Part 2: Radio over fibre based fronthaul network for railway communication system, 12/04/2020

121A/382A/NP, Revised PNW 121A-382 ED1: Electrical accessories - Residual current monitors (RCMs) - Part 2: RCMs for industrial applications up to 1000 V AC, 11/27/2020

121A/384/FDIS, IEC 60947-6-2 ED3: Low-voltage switchgear and controlgear - Part 6-2: Multiple function equipment - Control and protective switching devices (or equipment) (CPS), 10/23/2020

CIS/B/748/DC, Draft of CISPR 37 - Industrial, scientific and medical equipment - Limits and methods of in situ measurements and measurements of large size/high power equipment, 11/27/2020

Newly Published ISO & IEC Standards

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

ISO Standards

ISO/IEC JTC 1 Technical Reports

ISO/IEC TR 19075-9:2020, Information technology database languages - Guidance for the use of database language SQL - Part 9: Online analytic processing (OLAP) capabilities, $185.00

BIOLOGICAL EVALUATION OF MEDICAL AND DENTAL MATERIALS AND DEVICES (TC 194)

ISO 22442-1:2020, Medical devices utilizing animal tissues and their derivatives - Part 1: Application of risk management, $138.00

ISO 22442-2:2020, Medical devices utilizing animal tissues and their derivatives - Part 2: Controls on sourcing, collection and handling, $103.00

FERTILIZERS AND SOIL CONDITIONERS (TC 134)

ISO 23381:2020, Determination of salt out (crystallization) temperature of liquid fertilizers, $68.00

GRAPHIC TECHNOLOGY (TC 130)

ISO 23498:2020, Graphic technology - Visual opacity of printed white ink, $68.00

JEWELLERY (TC 174)

ISO 24016:2020, Jewellery and precious metals - Grading polished diamonds - Terminology, classification and test methods, $209.00

LEARNING SERVICES FOR NON-FORMAL EDUCATION AND TRAINING (TC 232)

ISO 29991:2020, Language-learning services - Requirements, $103.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO 16079-2:2020, Condition monitoring and diagnostics of wind turbines - Part 2: Monitoring the drivetrain, $185.00

NON-DESTRUCTIVE TESTING (TC 135)

ISO 22232-2:2020, Non-destructive testing - Characterization and verification of ultrasonic test equipment - Part 2: Probes, $209.00

NUCLEAR ENERGY (TC 85)

ISO 11929-4:2020, Determination of the characteristic limits (decision threshold, detection limit and limits of the coverage interval) for measurements of ionizing radiation - Fundamentals and application - Part 4: Guidelines to applications, $232.00

PAINTS AND VARNISHES (TC 35)

ISO 2810:2020, Paints and varnishes - Natural weathering of coatings - Exposure and assessment, $103.00

PAPER, BOARD AND PULPS (TC 6)

ISO 9198:2020, Paper, board and pulp - Determination of water-soluble sulfates, $45.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 3104:2020, Petroleum products - Transparent and opaque liquids - Determination of kinematic viscosity and calculation of dynamic viscosity, $138.00

PLASTICS (TC 61)

ISO 20329:2020, Plastics - Determination of abrasive wear by reciprocating linear sliding motion, $103.00

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

ISO 6259-2:2020, 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), $68.00

ISO 16486-3:2020, Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 3: Fittings, $138.00

PROSTHETICS AND ORTHOTICS (TC 168)

ISO 8549-1:2020, Prosthetics and orthotics - Vocabulary - Part 1: General terms for external limb prostheses and external orthoses, $45.00

ISO 8549-2:2020, Prosthetics and orthotics - Vocabulary - Part 2: Terms relating to external limb prostheses and wearers of these prostheses, $45.00

ISO 8549-3:2020, Prosthetics and orthotics - Vocabulary - Part 3: Terms relating to orthoses, $45.00

ROAD VEHICLES (TC 22)

ISO 20176:2020, Road vehicles - H-point machine (HPM-II) - Specifications and procedure for H-point determination, $209.00

ISO 21806-1:2020, Road vehicles - Media Oriented Systems Transport (MOST) - Part 1: General information and definitions, $138.00

ISO 21806-2:2020, Road vehicles - Media Oriented Systems Transport (MOST) - Part 2: Application layer, $232.00

ISO 21806-4:2020, Road vehicles - Media Oriented Systems Transport (MOST) - Part 4: Transport layer and network layer, $209.00

ISO 21806-5:2020, Road vehicles - Media Oriented Systems Transport (MOST) - Part 5: Transport layer and network layer conformance test plan, $162.00

ISO 21806-6:2020, Road vehicles - Media Oriented Systems Transport (MOST) - Part 6: Data link layer, $209.00

ISO 21806-7:2020, Road vehicles - Media Oriented Systems Transport (MOST) - Part 7: Data link layer conformance test plan, $138.00

ISO 15500-14:2020, Road vehicles - Compressed natural gas (CNG) fuel system components - Part 14: Excess flow valve, $45.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 3303-1:2020, Rubber- or plastics-coated fabrics - Determination of bursting strength - Part 1: Steel-ball method, $45.00

SAFETY DEVICES FOR PROTECTION AGAINST EXCESSIVE PRESSURE (TC 185)

ISO 4126-3:2020, Safety devices for protection against excessive pressure - Part 3: Safety valves and bursting disc safety devices in combination, $68.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 21963:2020, Ships and marine technology - Marine environment protection - Tanks and piping systems for facilitating 5 ppm oil-water separation, $138.00

ISO 21072-3:2020, Ships and marine technology - Marine environment protection: Performance testing of oil skimmers - Part 3: High viscosity oil, $68.00

TYRES, RIMS AND VALVES (TC 31)

ISO 4250-3:2020, Earth-mover tyres and rims - Part 3: Rims, $103.00

ISO Technical Reports

ERGONOMICS (TC 159)

ISO/TR 11064-10:2020, Ergonomic design of control centres - Part 10: Introduction to the control room design series of standards, $68.00

INFORMATION AND DOCUMENTATION (TC 46)

ISO/TR 22428-1:2020, Managing records in cloud computing environments - Part 1: Issues and concerns, $138.00

NUCLEAR ENERGY (TC 85)

ISO/TR 4450:2020, Quality management systems - Guidance for the application of ISO 19443:2018, $209.00

ISO Technical Specifications

IMPLANTS FOR SURGERY (TC 150)

ISO/TS 20721:2020, Implants for surgery - General guidelines and requirements for assessment of absorbable metallic implants, $103.00

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

ISO/TS 21387:2020, Sterilization of medical devices - Guidance on the requirements for the validation and routine processing of ethylene oxide sterilization processes using parametric release, $103.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/TS 21176:2020, Cooperative intelligent transport systems (C-ITS) - Position, velocity and time functionality in the ITS station, $162.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 19989-3:2020, Information security - Criteria and methodology for security evaluation of biometric systems - Part 3: Presentation attack detection, $103.00

ISO/IEC 27035-3:2020, Information technology - Information security incident management - Part 3: Guidelines for ICT incident response operations, $162.00

IEC Standards

(TC 100)

IEC 61937-3 Amd.1 Ed. 3.0 en:2020, Amendment 1 - Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 3: Non-linear PCM bitstreams according to the AC -3 and enhanced AC-3 formats, $12.00

IEC 61937-3 Ed. 3.1 en:2020, Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 3: Non-linear PCM bitstreams according to the AC-3 and enhanced AC-3 formats, $123.00

(TC 47)

IEC 62433-6 Ed. 1.0 b:2020, EMC IC modelling - Part 6: Models of integrated circuits for pulse immunity behavioural simulation - Conducted pulse immunity modelling (ICIM-CPI), $317.00

(TC 86)

IEC 61753-071-02 Ed. 1.0 b:2020, Fibre optic interconnecting devices and passive components - Performance standard - Part 071-02: Non-connectorized single-mode fibre optic 1 × 2 and 2 × 2 spatial switches for category C - Controlled environments, $82.00

TERMINOLOGY (TC 1)

IEC 60050-103 Amd.3 Ed. 1.0 b:2020, Amendment 3 - International Electrotechnical Vocabulary (IEV) - Part 103: Mathematics - Functions, $12.00

IEC Technical Reports

POWER SYSTEMS MANAGEMENT AND ASSOCIATED INFORMATION EXCHANGE (TC 57)

IEC/TR 61850-90-9 Ed. 1.0 en:2020, Communication networks and systems for power utility automation - Part 90-9: Use of IEC 61850 for Electrical Energy Storage Systems, $387.00

IEC/TR 61850-90-11 Ed. 1.0 en:2020, Communication networks and systems for power utility automation - Part 90-11: Methodologies for modelling of logics for IEC 61850 based applications, $375.00

WIND ENERGY GENERATION SYSTEMS (TC 88)

IEC/TR 61400-12-4 Ed. 1.0 en:2020, Wind energy generation systems - Part 12-4: Numerical site calibration for power performance testing of wind turbines, $199.00

IEC Technical Specifications

MARINE ENERGY - WAVE, TIDAL AND OTHER WATER CURRENT CONVERTERS (TC 114)

IEC/TS 62600-4 Ed. 1.0 en:2020, Marine energy - Wave, tidal and other water current converters - Part 4: Specification for establishing qualification of new technology, $164.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI Accredited Standards Developers

Withdrawal of ASD Accreditation

International Light Transportation Vehicle Association (ILTVA)

The accreditation of the International Light Transportation Vehicle Association (ILTVA) as a developer of American National Standards (ANS) has been formally withdrawn, as the organization is no longer operating as a legal entity. ILTVA currently maintains no American National Standards.

This action is taken effective September 18, 2020. For additional information, please contact psa@ansi.org.

U.S. Technical Advisory Groups

Approval of TAG Accreditation and Appointment of TAG Administrator

U.S. Technical Advisory Group to ISO PC 308 – Chain of Custody – General Terminology and Models

ANSI's Executive Standards Council (ExSC) has formally approved the accreditation of the U.S. Technical Advisory Group to ISO PC 308, Chain of custody – General terminology and models and the appointment of Underwriters Laboratories (UL) as TAG Administrator, effective September 21, 2020. The TAG will operate under the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures. For additional information, please contact: Ms. Sonya Bird, Director of International Standards, Underwriters Laboratories, 12 Laboratory Drive, Research Triangle Park, NC 27709; phone: 919.549.1685; e-mail: Sonya.M.Bird@ul.org.

Meeting Notices

US/TAG Meeting

US/TAG for ISO/TC 214 Elevating work platforms

November 18, 2020

12:00pm - 2:00pm CST

Please contact Jeff Jurgens for agenda and other details: jjurgens@aem.org

Information Concerning

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 96/SC 8 – Jib Cranes

Comment Deadline: September 25, 2020

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 96/SC 8 – *Jib cranes*. ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 96/SC 8 to the National Commission for the Certification of Crane Operators (NCCCO). NCCCO has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 96/SC 8 operates under the following scope:

> *Standardization of terminology, load rating, testing, safety, and general design principles of equipment and components used in the construction, maintenance, inspection and safe operation of jib cranes.*

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 96/SC 8. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

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

If no U.S. organization steps forward to assume the ISO/TC 96/SC 8 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by September 25, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

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

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.

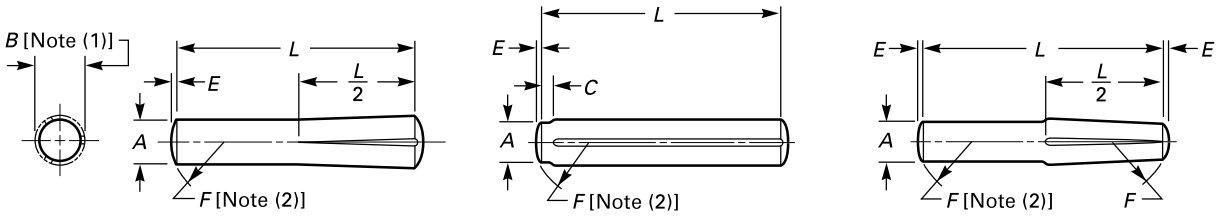
If you are interested in purchasing an American National Standard, please visit https://webstore.ansi.org/

ASME B18.8.2 Draft_Rev 2020-07
[Revision of ASME B18.8.2 – 2020]

B18.8.2
TAPER PINS, DOWEL PINS, STRAIGHT PINS, GROOVED PINS, AND SPRING PINS (INCH SERIES)

NONMANDATORY APPENDIX C
TYPE B, C, and D GROOVED PIN DIMENSIONS

Table C-1 Dimensions of Grooved Pins



Type B | Type C | Type D

Nominal Size or Basic Pin Diameter [Note (2)]	Pin Diameter, *A*		Reference Pilot Length, *C*	~~Minimum Chamfer Length, *D* [Note (1)]~~	Crown Height, *E* [Note (1)]		Crown Radius, *F* [Note (1)]		~~Neck Width, *G*~~		~~Shoulder Length, *H*~~		Reference Neck Radius, *J*	~~Neck Diameter, *K*~~	
	Max.	Min.			Max.	Min.	Max.	Min.	~~Max.~~	~~Min.~~	~~Max.~~	~~Min.~~	~~Reference~~	~~Max.~~	~~Min.~~
1/32 0.0312	0.0312	0.0302	0.015	~~...~~	...	...	...	...	~~...~~	~~...~~	~~...~~	~~...~~	~~...~~	~~...~~	~~...~~
3/64 0.0469	0.0469	0.0459	0.031	~~...~~	...	...	...	...	~~...~~	~~...~~	~~...~~	~~...~~	~~...~~	~~...~~	~~...~~
1/16 0.0625	0.0625	0.0615	0.031	~~0.016~~	0.0115	0.0015	0.088	0.068	~~...~~	~~...~~	~~...~~	~~...~~	~~...~~	~~...~~	~~...~~
5/64 0.0781	0.0781	0.0771	0.031	~~0.016~~	0.0137	0.0037	0.104	0.084	~~...~~	~~...~~	~~...~~	~~...~~	~~...~~	~~...~~	~~...~~
3/32 0.0938	0.0938	0.0928	0.031	~~0.016~~	0.0141	0.0041	0.135	0.115	~~0.038~~	~~0.028~~	~~0.041~~	~~0.031~~	~~0.016~~	~~0.067~~	~~0.057~~
7/64 0.1094	0.1094	0.1074	0.031	~~0.016~~	0.0160	0.0060	0.150	0.130	~~0.038~~	~~0.028~~	~~0.041~~	~~0.031~~	~~0.016~~	~~0.082~~	~~0.072~~
1/8 0.1250	0.1250	0.1230	0.031	~~0.016~~	0.0180	0.0080	0.166	0.146	~~0.069~~	~~0.059~~	~~0.041~~	~~0.031~~	~~0.031~~	~~0.088~~	~~0.078~~
5/32 0.1563	0.1563	0.1543	0.062	~~0.031~~	0.0220	0.0120	0.198	0.178	~~0.069~~	~~0.059~~	~~0.057~~	~~0.047~~	~~0.031~~	~~0.109~~	~~0.099~~
3/16 0.1875	0.1875	0.1855	0.062	~~0.031~~	0.0230	0.0130	0.260	0.240	~~0.069~~	~~0.059~~	~~0.,057~~	~~0.047~~	~~0.031~~	~~0.130~~	~~0.120~~
7/32 0.2188	0.2188	0.2168	0.062	~~0.031~~	0.0270	0.0170	0.291	0.271	~~0.101~~	~~0.091~~	~~0.072~~	~~0.062~~	~~0.047~~	~~0.151~~	~~0.141~~
1/4 0.2500	0.2500	0.2480	0.062	~~0.031~~	0.0310	0.0210	0.322	0.302	~~0.101~~	~~0.091~~	~~0.072~~	~~0.062~~	~~0.047~~	~~0.172~~	~~0.162~~
5/16 0.3125	0.3125	0.3105	0.094	~~0.047~~	0.0390	0.0290	0.385	0.365	~~0.132~~	~~0.122~~	~~0.104~~	~~0.094~~	~~0.062~~	~~0.214~~	~~0.204~~
3/8 0.3750	0.3750	0.3730	0.094	~~0.047~~	0.0440	0.0340	0.479	0.459	~~0.132~~	~~0.122~~	~~0.135~~	~~0.125~~	~~0.062~~	~~0.255~~	~~0.245~~
7/16 0.4375	0.4375	0.4355	0.094	~~0.047~~	0.0520	0.0420	0.541	0.521	~~0.195~~	~~0.185~~	~~0.135~~	~~0.125~~	~~0.094~~	~~0.298~~	~~0.288~~
1/2 0.5000	0.5000	0.4980	0.094	~~0.047~~	0.0570	0.0470	0.635	0.615	~~0.195~~	~~0.185~~	~~0.135~~	~~0.125~~	~~0.094~~	~~0.317~~	~~0.307~~

GENERAL NOTES:

(a) For Types B and D grooved pins having groove lengths equal to 0.125 in. or shorter, the grooves shall be parallel instead of tapered or oval as depicted in the illustrations.

(b) For additional requirements and recommended hole sizes see General Data for Grooved Pins, also Grooved Drive Studs and Grooved T-Head Cotter Pins on pages 23 - 25.

(c) For expanded diameters applicable to pins made from corrosion resistant steel or monel, see Table 8.2.2-2; and for pins made from other materials, see Table 8.2.2-1.

NOTES:

(1) Pins in 1/32 in. and 3/64 in. sizes for any length and all sizes 1/4 in. nominal length, or shorter, are not crowned or chamfered. See para. 8.4 of General Data. Alloy steel pins of all types shall have chamfered ends conforming with Type F pins, included within the pin length.

(2) Where specifying nominal size in decimals, zeros preceding decimal and in the fourth decimal place shall be omitted.

BSR/IIAR 4-202X

Installation of Closed-Circuit Ammonia Refrigeration Systems

IIAR 4 Public Review #3 Draft

Following are supplementary instructions for submitting comments:

1) Provide all of the commenter's contact information [e.g. name, phone number(s), and e-mail].

2) Identify the specific Section (i.e. by its Chapter and Section number) that is the subject of each comment(s). Only sections with changes resulting from Public Review #1 comments (and enough content for understanding) are in this draft. Only ~~striked-through~~ or underlined items can be commented on.

3) Provide specific wording changes or action that would resolve the commenter's concern(s). Additions should be shown by underlining and deletions by strikethrough (i.e. Addition: include this, Deletion: ~~remove this~~), unless clearly shown in another method.

4) Provide a brief substantiation statement that presents the rationale, justification, and supporting documentation; as well as any technical data and backup. Provide an abstract for lengthy substantiations. If supplementary documents are provided to support your comment(s), electronic files in word processed (MS Word preferred) or scanned form are preferred. Indicate whether attachments have been provided. Highlighting pens should not be used since highlighted text will not reproduce.

5) If you do not understand the material, proceed with doing the necessary homework to gain understanding of the material and/or call the IIAR to discuss before commenting. Do not submit comments as opinions or questions.

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Part 2 Installation Requirements

Chapter 4. General Requirements

4.2 Installer Qualifications

4.2.2 Contractors and employees who are in training may participate in the installation provided they are working under the direct supervision of those meeting the requirement of Section 4.2.1.

4.3 Safety Training

4.3.1 All individuals participating in the installation shall be ~~trained in~~ provided with an orientation on safety procedures provided by the owner and installer prior to participating in the installation. Individuals performing installation shall follow the safety rules of the facility, including the required safe work practices.

4.5 Welding of Pressure Containing Components

4.5.2 ~~Contractor(s) shall provide to the owner the verification of non-expiration of the Welder and Welding Performance Qualification Records (WPQRs) for WPQRs the past six (6) months of the initial qualification for each welder.~~

Welder Performance Qualification (WPQ) records shall be provided to the owner for each welder.

4.6 Welding of Structural Supports

4.6.2 ~~Contractor(s) shall provide to the owner the verification of non-expiration of the Welder and Welding Performance Qualification Records (WPQRs) for WPQRs the past six (6) months of the initial qualification for each welder.~~

Welder Performance Qualification (WPQ) records shall be provided to the owner for each welder.

4.7 Materials

4.7.1 **General.** All materials used in the pressure containing envelope that will be exposed to ammonia ~~during normal operation~~ shall be suitable for ammonia refrigerant at the coincident temperature and pressure to which the component shall be subjected. No materials in the pressure containing envelope shall be used that will deteriorate in the presence of ammonia refrigerant, lubricating oil, or a combination of both.

4.8.5.1 Rigging devices shall be rated for the intended load and inspected for defects, such as ~~k~~nicks, frays, kinks, cuts, or abrasions. Rigging devices that are identified with indications of defects shall not be used and retired.

Chapter 7. Components and Controls Installation

This section applies to components and controls ~~applied~~ for use in closed-circuit ammonia refrigeration systems.

Appendix A. (Informative) Explanatory Material

A.6.1.4 For pressure testing, see ASME B31.5. When utilized, hot tapping procedures can be provided by the hot tap equipment manufacturer. Verifying the integrity of a closure weld can be in accordance with ASME B31.5 or see ANSI/IIAR 5-2019, which provides an NDE option. Also ~~and as usual~~, site specific work practices should be implemented where applicable.

BSR/IIAR 8-202X

Decommissioning of Closed-Circuit Ammonia Refrigeration Systems

IIAR 8 Public Review #3 Draft

Following are supplementary instructions for submitting comments:

1) Provide all of the commenter's contact information [e.g. name, phone number(s), and e-mail].

2) Identify the specific Section (i.e. by its Chapter and Section number) that is the subject of each comment(s). Only sections with changes resulting from Public Review #1 comments (and enough content for understanding) are in this draft. Only striked-through or underlined items can be commented on. A highlighted "NOTE:" is included for information only.

3) Provide specific wording changes or action that would resolve the commenter's concern(s). Additions should be shown by underlining and deletions by strikethrough (i.e. Addition: include this, Deletion: ~~remove this~~), unless clearly shown in another method.

4) Provide a brief substantiation statement that presents the rationale, justification, and supporting documentation; as well as any technical data and backup. Provide an abstract for lengthy substantiations. If supplementary documents are provided to support your comment(s), electronic files in word processed (MS Word preferred) or scanned form are preferred. Indicate whether attachments have been provided. Highlighting pens should not be used since highlighted text will not reproduce.

5) If you do not understand the material, proceed with doing the necessary homework to gain understanding of the material and/or call the IIAR to discuss before commenting. Do not submit comments as opinions or questions.

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Chapter 4. Preparation

4.12.2 **Training Records**. Records shall be kept documenting the training provided, including:

4.12.2.3 *A sign-off sheet indicating that the employees and/or contractors received and understood the training.

Note: Section A.4.12.2.3 was added to (Informative) Appendix A (see below).

Chapter 5. Decommissioning Activities

5.2.3.3.2 Portable tools having open flames are permitted to be used to assist the migration of liquid refrigerant within the closed-circuit system. Such tools shall not be capable of cutting or reducing mechanical integrity of portions of the systems to which they are applied.

~~5.2.3.3.2.1 The portable tool's open flame shall not have the characteristics' that can cut or reduce the mechanical integrity of the surfaces where the heat is applied to assist the migration of liquid refrigerant.~~

5.2.3.3.3 Equipment that is isolated shall not be heated ~~with a flame~~.

5.2.3.6 ~~*Ensure that ammonia vapors flushed~~ discharged ~~from the refrigeration system are not inadvertently discharged directly to the atmosphere~~ pursuant to and in ~~compliance with applicable permit requirements and regulations.~~

Ensure that discharge of ammonia vapors from the refrigeration system is in accordance with local ordinances, codes, and standards.

5.2.3.7 Ensure that all chemicals removed from the system, including ammonia/water solutions, are disposed of in ~~compliance~~ accordance with applicable codes, standards, and regulations.

Appendix A. (Informative) Explanatory Material

A.4.12.2.3 Examples of methods for confirming individuals understood the training include written tests, oral tests (e.g., questioning), and demonstrations.

Appendix D. (Informative) Potential Impacts on Safety and Health

1. **Applying Heat.**

~~2) Low-pressure steam - Where the steam pressure is less than 15 psig.~~

Hot ammonia vapor passing over the surface of liquid ammonia is ineffective for vaporizing liquid ammonia. However, depending on the geometry of the equipment, components, or piping, ammonia vapor can effectively displace liquid ammonia.

During heat application, temperatures above 180°F should not be applied to valves or piping of the closed-circuit refrigeration system to avoid damaging materials ~~becoming brittle~~.

4.2933 **voltage, open circuit (OCV):** The voltage of a battery when no external current is flowing.

5 Requirements for safety

5.1 Design

5.1.1 General

Cells and batteries shall be so designed that they do not present a safety hazard under conditions of normal (intended) use. When charged, discharged or at rest during a performance test in accordance with ANSI C18.2M, Part 1 there shall be no evidence of leakage, venting, fire, or explosion.

Compliance is verified by performing the test required in this document and meeting the stated requirements.

5.1.2 Venting

All cells shall incorporate a pressure relief mechanism or shall be so constructed that they will relieve excessive internal pressure at a value and rate which will preclude explosion or self-ignition. If encapsulation is necessary to support cells within an outer case, the type of encapsulant and the method of encapsulation shall not cause the battery to overheat during normal operation nor inhibit pressure relief.

The battery case material and/or its final assembly shall be so designed that, in the event of one or more cells venting, the battery case does not present a hazard in its own right.

5.1.3 Temperature/current/voltage management

The design of the batteries shall be such that:

a) For multi-cell nickel batteries, conditions of abnormal temperature rise shall be prevented through the use of thermal limitation features. These features may allow re-use of the battery after activation.

3
cb) Protection shall be provided to limit the current and voltage, as appropriate, during charge and discharge to design levels. Agreed to remove? Do comments indicate this technical change?

5.1.4 Terminals

The size and shape of the terminal contacts shall be such that they accommodate the maximum anticipated current requirements. The external terminal contact surfaces shall be formed from conductive materials which demonstrate good mechanical strength and corrosion resistance. The arrangements of terminal contacts shall be such that inadvertent shorting is minimized.

5.1.5 Assembly of cells

Cells used in the assembly of batteries shall be of the same chemistry, size, design, and closely matched capacities, from the same source of manufacture, and have approximately the same age.

Cell manufacturers shall provide recommendations about current, voltage and temperature limits for the safe use of their cells so that the battery manufacturer/designer can ensure that these limits are maintained by the design of the battery.

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Revision to NSF/ANSI 4 – 2019
Issue 28, Revision 4 (September 2020)

[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 *red italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI International Standard
for Food Equipment —

Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transport Equipment

5 Design and construction

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5.40 Cappuccino machines with milk ~~reservoirs~~ systems

5.40.1 Except as noted in 5.40.2, milk reservoirs and all milk-conveying components on cappuccino machines shall conform to the temperature performance criteria of NSF/ANSI 18.

5.40.2 ~~The requirements in 5.40.1 shall not apply to~~ If ~~T~~tubing is used to convey milk from a reservoir to a dispensing port or outlet and that tubing is located outside of active temperature control, the tubing is not subject to the temperature performance criteria of NSF/ANSI 18, provided that the tubing is:

- designed so that it is completely gravity self-drained of milk between dispenses and is designed to be completely and automatically flushed to waste with potable water or fresh temperature-controlled milk at intervals not exceeding 4 h;
- transparent enough to verify that it is void of milk and has an exposed portion visible to the operator; and
- no greater than 18 in (46 cm) in length when tubing is only gravity self-drained without being flushed.

5.40.3 Milk reservoirs and all milk conveying components, including tubing, shall conform to 5.1.3.

***Rationale**: This proposed language clarifies the requirements for cappuccino machines that drain and flush/rinse milk conveyance tubing at controlled time intervals.*

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Tracking number 169i10r1
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Revision to NSF/ANSI 169-2016
Issue 10 Revision 1 (September 2020)

[Note – the recommended changes to the standards 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 *red italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF International Standard /
American National Standard –

Special Purpose Food Equipment and Devices

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5 Design and construction

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5.1.3 Food zones shall be readily accessible and easily cleanable or shall be designed for ~~in-place cleaning~~ CIP when a readily accessible design is not feasible.

5.1.4 Food zones for which ~~in-place cleaning~~ CIP is intended shall be designed and manufactured so that cleaning and sanitizing solutions may be circulated or passed throughout the fixed system. The design shall ensure that cleaning and sanitizing solutions contact all food contact surfaces. The system shall be self-draining or capable of being completely evacuated. Equipment and appurtenances designed for ~~in-place cleaning~~ CIP shall have a section of the cleaned area accessible for inspection or shall provide for other acceptable inspection methods. The manufacturer shall provide written instructions for the cleaning and sanitizing of all food zone surfaces for which ~~in-place cleaning~~ CIP is intended. The type and concentration of sanitizing agent recommended in the instructions by the manufacturer shall comply with 40 CFR §180.940[3].

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Rationale: *The Conference for Food Protection has requested considerations be made for modifying NSF/ANSI Standards cleaning terminology to align with the terminology used in the FDA Food Code. The term in-place cleaning currently used in the NSF Standards is requested to be replaced with the term CIP used in the FDA Food Code. The concept of CIP as defined in the Food Code is currently being applied in the NSF/ANSI Standards under the different term in-place cleaning. The alignment of terminology will provide consistency in the industry.*

Tracking #245i19r3
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Revision to NSF/ANSI 245-2019
Issue 19, Revision 3 (September 2020)

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

NSF/ANSI Standard
For Wastewater Technology –

Residential Wastewater Treatment Systems – Nitrogen Reduction

8 Performance testing and evaluation

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8.2 Testing conditions, hydraulic loading and schedules

8.2.1 Influent wastewater characteristics

Except as required by NSF/ANSI 40 for systems seeking concurrent NSF/ANSI 40 and nitrogen reduction certification, the average wastewater characteristics delivered to the system over the course of the testing shall fall within:

- BOD_5: 100 to 300 mg/L;
- TSS: 100 to 350 mg/L;
- TKN: 35 to 70 mg/L (as N);
- Alkalinity : ~~> 175 mg/L~~ ratio of no less than 5:1 alkalinity (as $CaCO_3$):TKN (alkalinity ~~may~~ shall be adjusted if inadequate);
- temperature: 10 to 30 ºC (50 to 86 ºF); and
- pH: 6.5 to 9 SU.

Unless requested by the manufacturer, the raw influent shall be supplemented with sodium bicarbonate if the wastewater is found to be deficient in alkalinity. In addition, the influent shall be supplemented with urea to meet the required influent TKN concentration. The influent may also be supplemented with methanol to maintain a carbon:nitrogen ratio of no less than 5:1. Adjustments shall be made based on the 30-day rolling averages of TKN, BOD, and alkalinity.

NOTE — For this testing, minimum alkalinity may be calculated as described in Annex I-1.

If the influent temperature drops below 10 ºC (50 ºF), impacting the nitrification process, sample collection may be suspended until the influent temperature returns to 10 ºC (50 ºF).

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Informative Annex 1

Information about nitrogen process

The information contained in this Annex is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. Therefore, this Annex may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the Standard.

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I-1.3 Calculation example

Assuming that the minimum TKN (35 mg/L as N) is all in the ammonium-N form, the wastewater will contain 35 mg/L of ammonium-N. The US EPA *Nitrogen Control* manual (page 92), states that the theoretical alkalinity destruction ratio is 7.1 mg of alkalinity destroyed per mg of ammonium-N oxidized. An ammonium concentration of 35 mg/L would result in the destruction of 248 mg of alkalinity.

The denitrification process adds alkalinity, as described on page 103 of the *Nitrogen Control* manual, with the theoretical alkalinity production of 3.57 mg per mg of NO_3 nitrogen. If it is assumed that all of the ammonium-N is converted to NO_3 nitrogen (which is a generous assumption), the production of alkalinity for denitrification of 35 mg/L of NO_3 will be 125 mg/L.

For this example, the amount of alkalinity needed in the influent would be around 123 mg/L (248 mg/L – 125 mg/L) just to cover the process. In actuality, excess alkalinity is needed because if the alkalinity goes close to zero, wide pH swings could occur that will kill the bacteria. Allowing 50 mg/L of excess alkalinity, 173 mg/L (123 mg/L + 50 mg/L) of alkalinity will be required if the average influent TKN is 35 mg/L, the lowest allowable influent TKN. (175 mg/L Alkalinity : 35 mg/L TKN = 5 : 1)

UL 61800-5-1, Standard for Safety for Standard for Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal and Energy

1. Typo Corrections in Table 4.3.5.3.1DV.3

Table 4.3.5.3.1DV.3 - Bonding conductor short-circuit test capacity

Controller rating			
hp	**(kW output)**	**V**	**Circuit capacity, A**
1/2	(0,373)	0 - 250	200
1/2	(0,373)	251 - 600	1 000
over 1/2 to 1	(0,374 - 0,746)	0 - 600	1 000
1 to 3	(0,747 - 2,24)	0 - 250	2 000
over 3 to 7-1/2	(2,25 - 5,59)	0 - 250	3 500
over 7-1/2 to ~~10~~ 50	(5,60 - 7,46)	0 - 250	5 000
over ~~10~~ 1 to 50	(~~7,47~~ 0,747 - 37,3)	251 - 600	5 000
over 50 to 200	(37,4 - 149)	0 - 600	10 000
over 200	(over 150)	0 - 600	a
[a] See Table 4.3.9DV.1.			

UL 61800-5-2, Standard for Safety for Standard for Safety for Adjustable Speed Electrical Power Drive Systems – Part 5-2: Safety Requirements – Functional

1. Removal of Reference to UL 508C

1DV.3 D1 ***Modification to scope by adding the following:***

1DV.3.1 Requirements with respect to electrical, thermal and energy safety considerations are covered in the Standard for Adjustable Speed Electrical Power Drive Systems – Part 5-1: Safety Requirements – Electrical, Thermal and Energy, UL 61800-5-1 ~~or the Standard for Power Conversion Equipment, UL 508C~~.

101.DVB D2 ***Addition:***

In the U.S., the following IEC normative reference are replaced by the indicated U.S. Standard.

(remainder of Table truncated for clarity)

IEC Standard Name	IEC Standard No.	U.S. Standard No.	U.S. Standard Title
Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy	61800-5-1	UL 61800-5-1 ~~or UL 508C~~	Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy, or Power Conversion Equipment

BSR/UL 79, Standard for Safety for Power-Operated Pumps for Petroleum Dispensing Products

1. Revision to Endurance Test

45.2 This test is to be conducted on a sample previously subjected to the Deformation Test, Section 42, and the Leakage Test, Section 43. The test pump is to be connected to an electric motor sized to operate the pump under the following conditions without causing the motor to overheat, or to an air inlet liquid source at the maximum inlet pressure and flow capacity to enable operation of the pump under the following conditions. The pump is to be operated ~~continuously~~ for 300 hours; 250 hours at a pressure differential of 20 percent of the maximum discharge pressure developed by the pump and 50 hours at the maximum discharge pressure developed by the pump. Serviceable components of the pump, except seals, may be replaced at defined intervals and are defined as rotors, vanes, and shaft key.

BSR/UL 296, Standard for Safety for Oil Burners

1. Flexible Connector Piping for Fuels

18.11 Flexible ~~metallic hose~~ connector pipes shall not be used as a substitute for rigid piping or tubing as ordinarily employed. Its use shall be confined to applications where rigid piping or tubing is impractical and where flexible connections cannot be avoided. It shall not be subjected to torsional, tensile, or bending stresses or to abrasion. It shall not be used in conjunction with safety devices or where bending is caused by automatic operation. Flexible ~~metallic hose~~ connector pipes shall comply with the ~~Standard for Flexible Metallic Hose, UL 536~~ Standard for Flexible Connector Piping for Fuels, UL 2039.

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

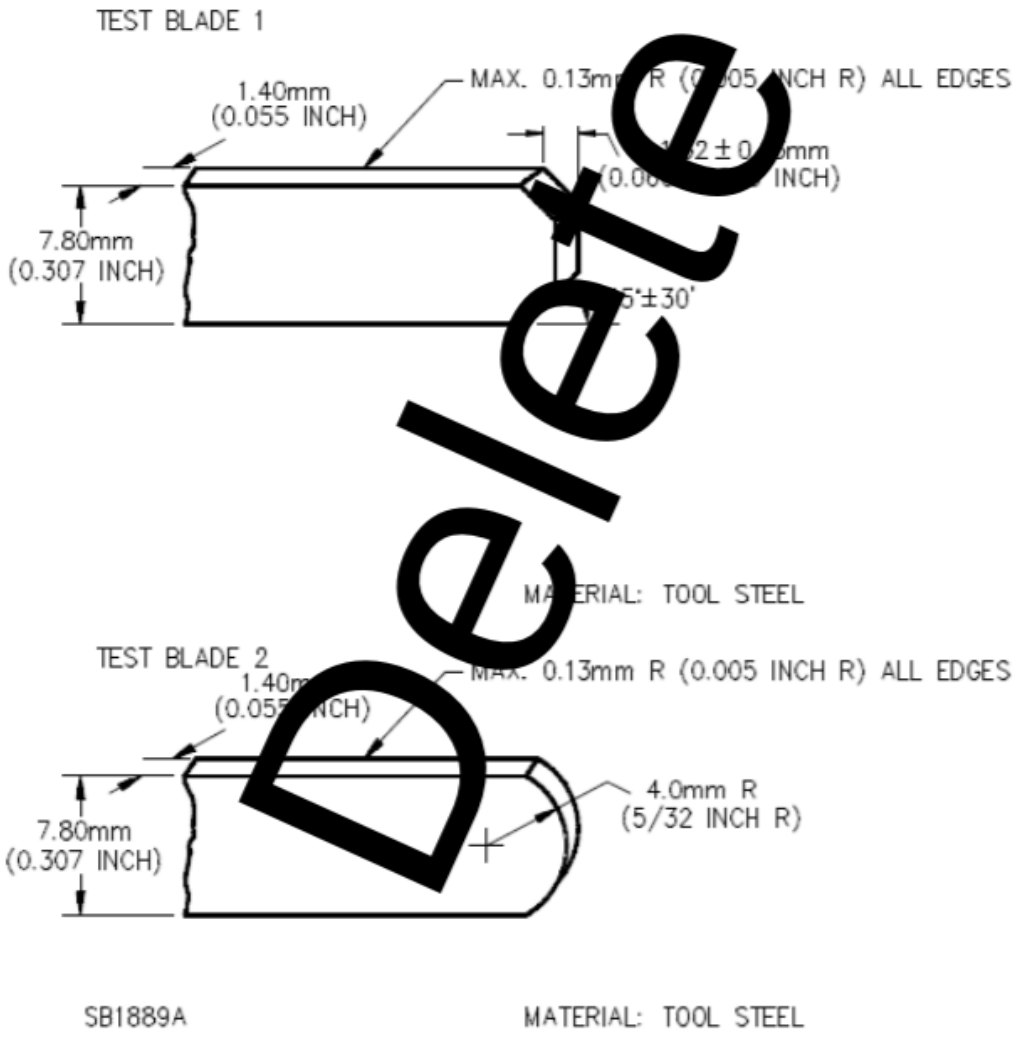
1. Revision of Figure 35.1 for Improper Insertion Blades

35.1 To determine compliance with 15.3.3 and 15.3.4, a device shall obstruct the attempted insertion of the test blades illustrated in Figure 35.1, when tested as described in 35.2 and 35.3.

(DELETED)

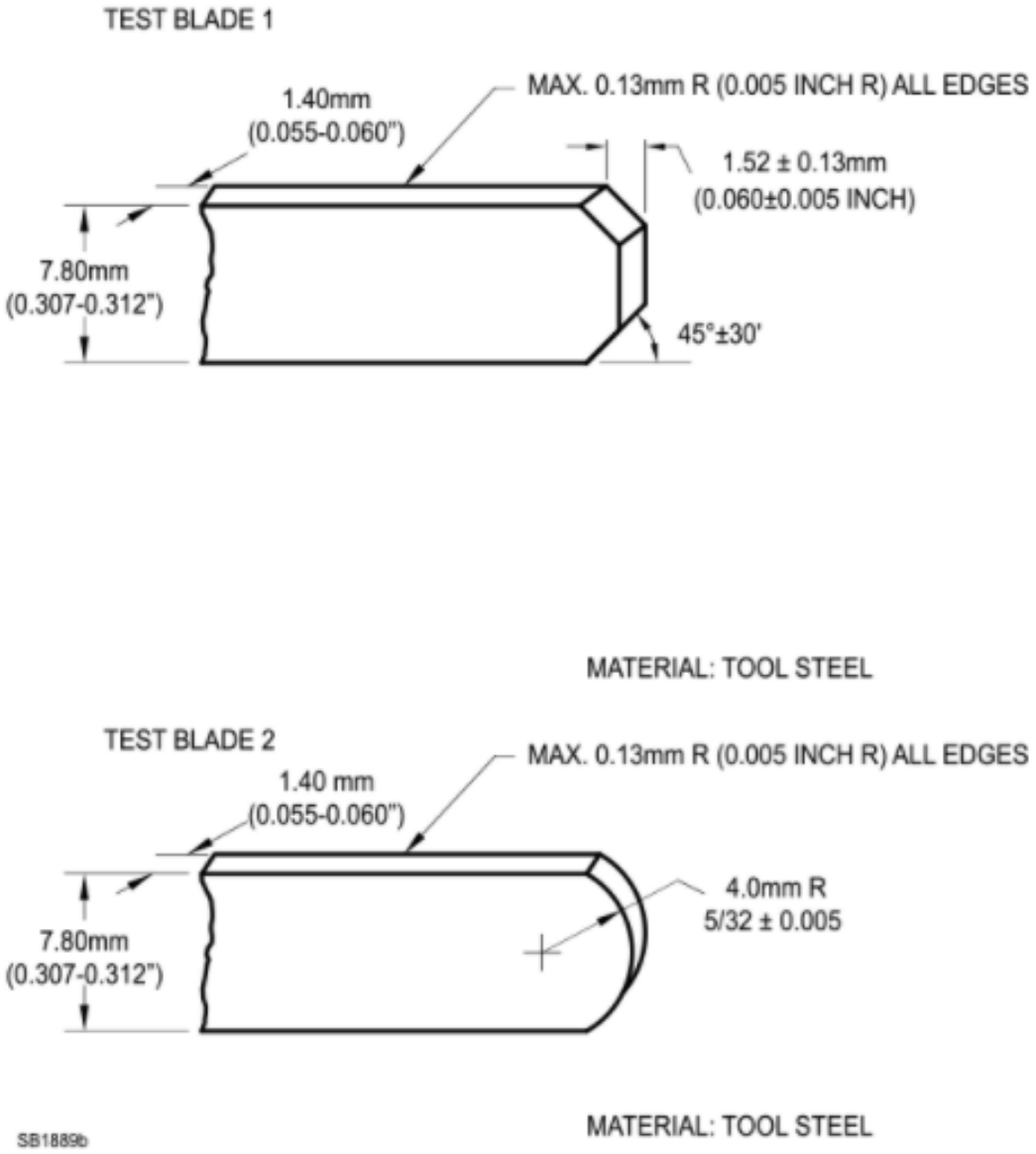
Figure 35.1

Improper insertion test blades



(NEW)

Figure 35.1
Improper insertion test blades



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

5 Glossary

5.2 Definitions common to burglar and fire alarm systems

5.2.1A AUTHORIZED PROVIDER - A business which has developed or is provided to provide licensed computer or software-based services or sales to customers.

5.2.46A REGIONAL/NATIONAL BUSINESS DISRUPTION -- A national, state, or regional declaration, which creates a business disruption event that inhibits the operation of a Central-Station.

51 Operation During a Regional/National Disruption

51.1 When the following conditions are met, a distributed, off-site Central-Station monitoring operation shall be permitted during a regional/national disruption event:

a. The declaration of situation that creates a regional/national disruption event must be issued publicly by a national, state or regional official in which the Central-Station operates.

b. The declaration precludes the operation of a Redundant Site as described in Section 17.6.4 or Temporary Operating Center as defined by Section 49.

c. The Central-Station must document its intent to enact this provision in writing stating the facts as to why the operation cannot be maintained at the existing site(s).

51.2 The Central-Station shall resume normal operations as soon as possible but in no case more than 30 days after any such declaration and/or any associated health and/or safety guidelines covering the area in which the Central-Station is located expires.

51.3 Operation within the central-station

51.3.1 Efforts shall be made and documented to maintain an operationally minimum/safe number of employees within the Central-Station.

51.3.2 Unless otherwise prohibited by governmental health or safety directives, the Central-Station shall not be unstaffed at any time.

51.3.2.1 Staffing shall be by Central-Station employees trained to perform on-premises tasks in the manner and timeframes required by this Standard.

51.4 Operators Working Remotely (From Home)

51.4.1 Bandwidth and Connectivity

51.4.1.1 The data and voice communication technology connections required for remote operators to perform their job functions shall be made to the Central-Station network

through a secure, remote access technology (e.g. virtual private network (VPN), virtual desktop infrastructure (VDI) and remote desktop protocol (RPD)) that uses a minimum of 256 bit AES encryption to connect directly from the remote workstation to the network at the monitoring station or automation system host.

51.4.1.2 The remote access technology specified in 51.4.1.1 shall be deployed in a manner such that the remote employee is required to use some form of multi-factor authentication (MFA) in order to gain access to the Central-Station's network and or automation systems.

51.4.1.3 Communication between a remote operator workstation and the central-station shall comply with one of the following:

a There shall be primary and backup communication connections between the remote operator workstation and the Central-Station; or,

b There shall be sufficient operators on-duty and logged into the automation system, so that loss of communication between a remote operator workstation and the Central-Station will not result in the loss of any signals or failure to process signals in the manner and timeframes required by this Standard.

51.4.2 Remote Operator Workstation

51.4.2.1 Remote operator workstation equipment shall comply with the requirements of the Standard applicable to the type of equipment and shall be configured and controlled by the Central-Station in compliance with 51.4.2.1.1 through to 51.4.2.1.3, or 51.4.2.1.4 through to 51.4.2.1.5.

51.4.2.1.1 When the ~~The~~ workstation equipment is ~~shall be~~ owned by the Central-Station and shall be configured and maintained by enrollment in the Central-Station's processes.

51.4.2.1.2 Remote operator workstations shall not be utilized for personal use.

51.4.2.1.3 If the automation system operation stores data on the remote operator workstation, then the workstation shall be protected with whole disk encryption, with provision for a system administrator level master password to minimize risk of complete lockout.

51.4.2.1.4 Where the workstation equipment is not owned by the Central-Station during the connection to the Central-Station Automation System, the following conditions shall be met:

a. The non-owned equipment shall have antivirus/antimalware installed, enabled and functioning;

b. A firewall shall be enabled and configured;

c. Windows or other operating system security patches and updates shall be applied;

d. The user shall be prevented from Copy, Cut, Paste and screenshot functions from the virtual desktop to the local operating system;

e. The user shall be prevented access to local resources such as hard disk drives, removable storage of any kind, USB devices, and any printers from the virtual desktop.

51.4.2.1.5 Software to achieve the above requirements shall be provided by the authorized provider.

51.4.3 Workplace Environment

51.4.3.1 Remote operators shall maintain a work area that:

a. Prevents unauthorized viewing of monitoring screen;

b. Prevents unauthorized eavesdropping of voice communications; and,

c. Provides a distraction-free environment.

51.4.3.2 Remote operators shall perform job duties from a location approved and documented by central-station management.

51.4.3.3 The Central-Station shall employ a means by which the Central-Station managers can communicate with and supervise (audio, visual or otherwise) ~~of~~ the remote employees as required to fulfill monitoring responsibilities.

51.4.3.4 The Central-Station shall document the security architecture of the implemented remote operator solution.

51.4.3.4.1 The security architecture documentation shall be made part of the central-station's business continuity plans described in Table 17.6 item v, Sections 19.2, 28.2 and/or 43.2.

BSR/UL 2353, Standard for Safety for Single- and Multi-Layer Insulated Winding Wire

1. Additional clarification to dimension requirements, in paragraphs 4.1.1 and 4.1.3, regarding solvent based enamel coatings (Magnet wire, Litz wire)

4.1.1 When determining the conductor dimensions, tin or any other metal on the conductor is allowed to remain on the conductor and included in the measurement. For film insulated Magnet Wire, the s~~S~~olvent based enamels are to be removed prior to any measurements. Measurements of the diameter of a solid conductor are to be made ~~over such coating~~ by means of a machinist's micrometer caliper having flat surfaces both on the anvil and on the end of the spindle and calibrated to read directly to at least 0.01 mm or 0.001 in, with each division of a width that facilitates estimation of each measurement to 0.001 mm or 0.0001 in. The maximum and minimum diameters at a given point on the conductor are each to be recorded to the nearest 0.001 mm or 0.0001 in, added together, and divided by 2 without any rounding of the sum or resulting average.

4.1.3 The total cross sectional area of the conductors in a stranded wire shall be at least equivalent to the minimum cross sectional area of the equivalent solid wire as noted in Table 4.1 for customary US AWG trade sizes, or calculated using the tolerances specified in Table 4.2 for wires constructed to the customary metric trade sizes and any other non-customary size. The unrounded average of two micrometer readings taken on at least five strands shall be used to calculate the total cross sectional area and compared directly with the minimum in the table for the purpose of determining whether the stranded wire does or does not comply with the requirement. For a stranded conductor made up of film insulated Magnet Wire using solvent based enamel coatings, the enamel coating shall be removed prior to measuring conductor diameters to determine cross sectional area.

BSR/UL 6703, Standard for Safety for Connectors for Use in Photovoltaic Systems

1. Additional Requirements to Address the Field Assembly of PV Connectors onto Cables.

12.2.1 The instructions shall include the following in addition to any other information required by this standard:

a) The manufacturer's name, contact information, the catalog number of the connector being addressed.

b) A list containing the date of the first edition of these instructions and the dates of any and all subsequent revisions, amendments, and tech notes related to these instructions.

c) The following statements:

1) "The connector is considered to be in compliance with UL 6703 only when assembled in the manner specified by these assembly instructions", and

2) "This connector is suitable for use only with Class B and C stranded copper conductors (See NFPA NEC 70 Chapter 9, Table 10)". If the connector is found to be suitable for use with other stranding classes, the connector shall be marked with those class conductors. See the Standard for Wire Connectors, UL 486A-486B.

d) The following technical information:

1) The minimum and maximum outer wire insulation diameter;

2) The minimum and maximum number of conductor strands;

3) The minimum and maximum wire size or wire range;

4) Conductor strip length for each allowable conductor size;

5) For a compression type connector, the specific tool(s) or specific removable tool part(s) (pressing die), where required for assembly, identified by:

i) Manufacturer, Catalog or type designation;

ii) Color coding;

iii) Die index number; or

iv) Other equivalent means.

6) For a mechanical type connector, the torque requirements for the setscrew;

7) For factory or other assembly using a press, a table showing tool pressure and crimp height for each conductor size;

8) For locking type connectors, the appropriate tool and it's disconnect operation, see 4.6, and

9) If the PV connector is intended to be field assembled and terminated to the cable in the field, additional procedures and requirements shall be provided as follows:

i) ~~Torques, including any tightening torque for sealing and strain relief means. If different torque values are required for different temperatures, an equation or a table/chart for this adjustment shall be provided;~~ For electrical connections between connector parts and conductor cables, detailed cable end preparation shall be provided.

NOTE: Dedicated tools are recommended.

ii) ~~Suitable ambient temperature range for field assembly;~~ For polymer material sealing and strain relief, if a specific torque value is required for proper assembly, proper tightening torque values shall be provided through one of following means:

1) If special tools are used, especially plastics tools, the proper temperature range or temperature limitations for the use of the tool shall be provided; or

2) If a generic torque tool is permitted, the tool calibration requirement shall be specified, and the torque adjustment for different temperatures shall be provided by equations, tables, or charts;

iii) Application means of adhesive or sealant, if it is provided as part of the connector;

iv) A statement ~~requiring special precautions if assembly occurs in abnormal environmental conditions, such as in rain or snow, extremely hot or cold ambient, or in an area where there is excessive dust, and~~ outlining additional assembly instructions or procedures if assembly occurs in adverse environmental conditions. Examples of adverse environmental conditions include, but are not limited to, extreme rain or snowfall, extremely hot or cold ambient temperatures, or in an area where there is excessive dust; and

v) A statement requiring special precautions if assembly occurs at a time without the other mating connector, such that a connector's contacts are left unmated and exposed. The statement should specify necessary precautions to prevent occurrences including, but not limited to, corrosion, contamination, icing, etc. that may compromise the integrity of the connector in its final use.