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.

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 www.aami.org
Contact: Amanda Benedict; abenedict@aami.org

New National Adoption

BSR/AAMI/ISO 17664-1-202x, Processing of health care products - Information to be provided by the medical device manufacturer for the processing of medical devices - Part 1: Critical and semi-critical medical devices (identical national adoption of ISO 17664-1 and revision of ANSI/AAMI/ISO 17664-2017)

Stakeholders: Medical device manufacturers, regulators, healthcare sterile processing professionals, testing laboratories.
Project Need: ISO/TC 198 is revising ISO 17664 into ISO 17664-1; the national adoption must therefore also be revised.
Scope: Specifies requirements for the information to be provided by the medical device manufacturer for the processing of a medical device that requires sterilization or disinfection to ensure that the device is safe and effective for its intended use. This includes information for processing prior to use or reuse of the medical device. Applicable for medical devices that are intended for invasive or other direct patient contact or that otherwise present the risk of transmission of infectious agents. Processing instructions are not defined in this standard. Rather, this International Standard specifies requirements to assist manufacturers of medical devices in providing detailed instructions for processing that consists of the following activities where applicable: pre-treatment at the point of use; preparation, cleaning, disinfection; drying; inspection, maintenance and testing; packaging; sterilization; storage; transportation.

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 www.aami.org
Contact: Amanda Benedict; abenedict@aami.org

New National Adoption

BSR/AAMI/ISO 17664-2-202x, Processing of health care products - Information to be provided by the medical device manufacturer for the processing of medical devices - Part 2: Non-critical medical devices (identical national adoption of ISO 17664-2 and revision of ANSI/AAMI/ISO 17664-2017)

Stakeholders: Medical device manufacturers, regulators, healthcare sterile processing professionals, testing laboratories.
Project Need: No current national standard that specifies information to be provided by the medical device manufacturer for the processing of medical devices not intended for direct patient contact.
Scope: Specifies requirements for the information to be provided by the medical device manufacturer for the processing of medical devices not intended for direct patient contact. This includes information for processing prior to use or reuse of the medical device.

ASA (ASC S12) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 www.acousticalsociety.org
Contact: Nancy Blair-DeLeon; standards@acousticalsociety.org

New Standard

BSR/ASA S12.3-202x/Part 1, Declaration and Verification of Noise Emission Values of Machinery, Equipment, and Products - Part 1: Declaration (new standard)

Stakeholders: Manufacturers of noise-making products and purchasers thereof, and associated industry groups and trade associations. Also, NGOs and other groups concerned about noise.
Project Need: Current ANSI S12.3 is over 35 years old and much of what is in there has been included in the recent publication of ANSI S12.61-2020. However, there is still a need for a "general, statistical" standard dealing with the declaration and verification of product noise levels. The need for the "declaration" requirements are more urgent, and this will be covered by this project. At the moment S12.3-1985 also remains applicable.
Scope: This Standard gives general requirements and guidelines for how to properly and uniformly provide product noise level information to the public. It specifies the noise emission values to be declared for a batch of machines, equipment, or products; the method for determining the mean A-weighted sound power level; and the method for determining various applicable standard deviations; This standard is applicable to commercially available products that emit noise.

ASME (American Society of Mechanical Engineers)

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

New Standard

BSR/ASME PDS 2-202x, Dimensioning, Tolerancing, Surface Texture, and Metrology Standards - Supplemental Dimensioning and Tolerancing Specification (new standard)

Stakeholders: Automotive, aerospace, medical, etc. Any industry involved with product definition, design and manufacturing.
Project Need: It is recognized that requirements of geometric tolerancing are made more functionally accurate when they are specifically defined in a way that reflects the functional needs of a product or workpiece.
Scope: Establish new methods to specify geometric tolerancing requirements needed for function. Provide a set of symbols, definitions, requirements, and recommended practices to supplement the design specification controls of ASME Y14.5.

ASSP (Safety) (American Society of Safety Professionals)

520 N. Northwest Highway, Park Ridge, IL 60068 www.assp.org
Contact: Lauren Bauerschmidt; LBauerschmidt@assp.org

New Standard

BSR Z359.9-202x, Personal Equipment for Protection against Falls Descent Controllers (new standard)

Stakeholders: OSH professionals.
Project Need: Based upon the consensus of the Z359 committee and the leadership of ASSP.
Scope: This standard establishes requirements for the design, performance, testing, test methods, marking, instruction, maintenance, and removal from service of descent controllers for users within the capacity range of 130 to 310 pounds (59 to 140 kg).

BHMA (Builders Hardware Manufacturers Association)

17 Faulkner Drive, Niantic, CT 06357 www.buildershardware.com
Contact: Michael Tierney; mtierney@kellencompany.com

Revision

BSR/BHMA A156.23-202x, Standard for Electromagnetic Locks (revision of ANSI/BHMA A156.23-2017)

Stakeholders: Manufacturers, specifiers, architects, builders, building owners, code officials.
Project Need: Periodic update.
Scope: This Standard establishes requirements for electromagne c locks and includes cyclical, dynamic, operaonaàl, strength, and finish tests. This product is used for access control.

BHMA (Builders Hardware Manufacturers Association)

17 Faulkner Drive, Niantic, CT 06357 www.buildershardware.com
Contact: Michael Tierney; mtierney@kellencompany.com

Revision

BSR/BHMA A156.29-202x, Standard for Exit Locks, Exit Alarms, Alarms for Exit Devices (revision of ANSI/BHMA A156.29-2017)

Stakeholders: Builders, manufacturers, specifiers, architects, building owners, building officials.
Project Need: Periodic update.
Scope: ANSI/BHMA A156.29 establishes requirements for Exit Locks, Exit Alarms and Alarms for Exit Devices and includes opera. onal and finish tests. Alarms for Exit Devices include operaĀonal tests only.

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

5001 East Philadelphia Street, Ontario, CA 91761 https://www.iapmostandards.org
Contact: Kyle Thompson; standards@iapmostandards.org

New Standard

BSR Z1299-202x, Ring Gaskets for Water Closet and Urinal Outlets (new standard)

Stakeholders: Manufacturers, users, inspectors, distributors designers, and contractors.
Project Need: Needed for testing and certification purposes.
Scope: This Standard covers ring gaskets intended to seal the joints between water closets and urinals and sanitary drainage systems and specifies requirements for materials, physical characteristics, performance testing, and markings. Ring gaskets covered by this Standard are made of petroleum wax or elastomers.

IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854-4141 www.ieee.org
Contact: Lisa Weisser; l.weisser@ieee.org

Revision

BSR/IEEE C37.20.1-202x, Standard for Metal-Enclosed Low-Voltage (1000 Vac and below, 3200 Vdc and below) Power Circuit Breaker Switchgear (revision of ANSI/IEEE C37.20.1-2015)

Stakeholders: Users, specifiers, manufacturers, owners, and operators of metal-enclosed low voltage (1000 Vac and below, 3200 Vdc and below) power circuit breaker switchgear.
Project Need: This is a general technical revision of the document to incorporate C37.20.1a-2020 and industry-accepted changes into the standard.
Scope: This standard covers metal-enclosed low-voltage power circuit breaker switchgear assemblies containing, but not limited to, such devices as low-voltage power circuit breakers (fused or unfused); other interrupting devices; switches, control, instrumentation, and metering; and protective and regulating equipment. This standard is concerned with enclosed, rather than open, indoor and outdoor switchgear assemblies. It includes types of equipment that are part of secondary unit substations. It does not apply to equipment covered by industrial control standards, communication switchboards, communication switching equipment, switchboards for use on board ships, or dead-front distribution switchboards. In this standard, metal-enclosed low-voltage power circuit breaker switchgear shall be called LV switchgear. For LV ac switchgear, the nominal system voltage shall be 1000 Vac or below; for LV dc switchgear, the rated maximum voltage shall be 3200 Vdc or below.

IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854-4141 www.ieee.org
Contact: Lisa Weisser; l.weisser@ieee.org

New Standard

BSR/IEEE C37.20.7-202x, Guide for Testing Switchgear Rated Up to 52 kV for Internal Arcing Faults (new standard)

Stakeholders: The stakeholders for this project are manufacturers of metal-enclosed switchgear, users of such equipment (including facilities for manufacturing, petrochemical production, refineries, utility generation or distribution, and other faciilties that consume large quantities of electricity), and general interest organizations (such as consulting engineers, maintenance organizations, test agencies, third-party certification organizations).
Project Need: This project is intended to revise the document with lessons learned during testing and technology development. Add Corrigendum and additional information in Annex L. Guide expires 2027, revising to keep document active.
Scope: This guide establishes methods by which equipment may be tested for resistance to the effects of arcing due to an internal fault. Equipment types covered in this guide include metal-enclosed switchgear as defined by IEEE Std C37.20.1™, IEEE Std C37.20.2™, IEEE Std C37.20.3™, and IEEE Std C37.20.9™; metal-enclosed bus as defined by IEEE Std C37.23™; medium-voltage ac controllers as defined by UL 347; motor control centers as defined by UL 845; switchboards as defined by UL 891; and metal-enclosed medium-voltage air-insulated circuit breakers for outdoor application defined by IEEE Std C37.04™ (see note). This guide applies only to equipment utilizing air or other insulating gas as the primary insulation medium and rated 52 kV ac or below. It applies to both indoor and outdoor equipment; however, special consideration should be given to the building size and construction for indoor applications (not fully addressed by this document). The tests and assessments described in this guide are only applicable to arcing faults occurring entirely in air within the enclosure when doors and covers are properly secured in accordance with the rated accessibility type. This guide does not apply to arcing faults that occur within components of the equipment, such as instrument transformers, sealed interrupting devices, fuses, and so on. Designs that meet the requirements of this guide will be referred to as arc-resistant. NOTE—These circuit breakers are sometimes referred to as dead-tank circuit breakers.

IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854-4141 www.ieee.org
Contact: Lisa Weisser; l.weisser@ieee.org

New Standard

BSR/IEEE C37.20.7-2017/Cor 1-202x, Guide for Testing Switchgear Rated Up to 52 kV for Internal Arcing Faults - Corrigendum 1: IEEE Guide for Testing Switchgear Rated Up to 52 kV for Internal Arcing Faults - Corrigendum 1 (new standard)

Stakeholders: The stakeholders for this project are manufacturers of metal-enclosed switchgear, users of such equipment (including facilities for manufacturing, petrochemical production, refineries, utility generation or distribution, and other faciilties that consume large quantities of electricity), and general interest organizations (such as consulting engineers, maintenance organizations, test agencies, third-party certification organizations).
Project Need: This project is necessary to provide test current calibration information that was inadvertently omitted from the 2017 document and is required to perform testing for the equipment covered in Annex L and the conditions of 5.4.3, Case 3.
Scope: This guide establishes methods by which equipment may be tested for resistance to the effects of arcing due to an internal fault. Equipment types covered in this guide include metal-enclosed switchgear as defined by IEEE Std C37.20.1(TM), IEEE Std C37.20.2(TM), IEEE Std C37.20.3(TM), and IEEE Std C37.20.9(TM); metal-enclosed bus as defined by IEEE Std C37.23(TM); medium-voltage ac controllers as defined by UL 347; motor control centers as defined by UL 845; switchboards as defined by UL 891; and metal-enclosed medium-voltage air-insulated circuit breakers for outdoor application defined by IEEE Std C37.04(TM). This guide applies only to equipment utilizing air or other insulating gas as the primary insulation medium and rated 52 kV ac or below. It applies to both indoor and outdoor equipment; however, special consideration should be given to the building size and construction for indoor applications (not fully addressed by this document). Designs that meet the requirements of this guide will be referred to as arc-resistant. This Corrigendum provides test current calibration information specific to testing faults initiated as a two-phase event as instructed in Case 3 of 5.4.3, Arc-initiating wire placement.

IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854-4141 www.ieee.org
Contact: Lisa Weisser; l.weisser@ieee.org

Revision

BSR/IEEE C37.23-202x, Standard for Metal-Enclosed Bus (revision of ANSI/IEEE C37.23-2015)

Stakeholders: Manufacturers, specifiers, and users of metal-enclosed bus.
Project Need: Need to update the operating voltage to 52 kV to align with updates to corresponding equipment, i.e., C37.121, C37.20.9, C37.20.2, and C37.20.3. Need to exclude assemblies that use gas other than air or use any pressure system to achieve dielectric performance.
Scope: This standard covers assemblies of metal-enclosed (ME) conductors along with associated interconnections, enclosures, and supporting structures. The types of assemblies covered are nonsegregated-phase bus, segregated-phase bus, isolated-phase bus, and cable bus. When switches and disconnecting links are included, they shall conform to this standard. This standard encompasses the performance characteristics of indoor and outdoor conductor assemblies with rated maximum operating voltages through 52 kV. This standard does not pertain to assemblies that use gas other than air or use any pressure system to achieve dielectric performance. This standard also does not pertain to UL 857 [B22] type busways and associated fittings. Service conditions, ratings, temperature limitations, and classification of insulating materials, insulation (dielectric) withstand voltage requirements, test procedures, and applications are established. A guide for calculating losses in isolated-phase bus is included.

ISA (International Society of Automation)

67 Alexander Drive, Research Triangle Park, NC 27709 www.isa.org
Contact: Charles Robinson; crobinson@isa.org

Revision

BSR/ISA 18.2-202x, Management of Alarm Systems for the Process Industries (revision of ANSI/ISA 18.2-2016)

Stakeholders: Users of processing equipment and systems in the process industries, including chemical, petroleum, pharmaceutical, and power generation.
Project Need: Improve safety procedures in industrial processing operations.
Scope: Covers the development, design, installation, and management of alarm systems for use in the process industries. Alarm system management includes multiple work processes throughout the alarm system lifecycle.

NSAA (ASC B77) (National Ski Areas Association)

133 S Van Gordon Street, Suite 300, Lakewood, CO 80228
Contact: Michael Lane; mlane@nsaa.org

Revision

BSR B77.1-202x, Passenger Ropeways - Aerial Tramways, Aerial Lifts, Surface Lifts, Tows and Conveyors Standard (revision of ANSI B77.1-2017)

Stakeholders: Manufacturers, operators, Authorities Having Jurisdiction of passenger ropeways.
Project Need: Prepare revisions to the full standard - 5-year revision. Updates wording, provides technical information, and makes editorial corrections on the 5-year cycle.
Scope: This document establishes a standard for the design, manufacture, construction, maintenance, and operation of passenger ropeways. The document deals with passenger transportation systems that use cables, ropes, or flexible elements for power transmission in the system. These systems include aerial tramways, detachable and fixed grip aerial lifts, surface lifts, tows, and conveyors.

PRCA (Professional Ropes Course Association)

6260 East Riverside Boulevard #104, Rockford, IL 61114 www.prcainfo.org
Contact: Michael Barker; climb1guide@gmail.com

Reaffirmation

BSR/PRCA 1.0-3-2014 (R202x), Safety Standards for Challenge Courses, Adventure Parks, Canopy Tours and Zip Lines: Design, Performance, Inspection, Installation, Equipment, Operations, Training and Certifications (reaffirmation of ANSI/PRCA 1.0-.3-2014)

Stakeholders: Same as the original stakeholders. Industry-related equipment manufacturers, designers, engineers, builders, facilitators, operators, course owners, camps, and users.
Project Need: These safety standards have proven invaluable to the industry as a whole, being used in design, building, equipment manufacturing, operations, legislation, OSHA citations, and courts.
Scope: The safety standards cover: Design, Performance, Inspection, Installation, Equipment, Operations, Training and Certification standards for the ropes course/challenge course, aerial adventure park, canopy tour, and zip line industry, including designers, builders, operators, and users.

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 www.scte.org
Contact: Kim Cooney; kcooney@scte.org

Revision

BSR/SCTE 34-202x, Test Method for Cored Depth Verification (revision of ANSI/SCTE 34-2016)

Stakeholders: Cable Telecommunications industry.
Project Need: Update current technology.
Scope: The purpose of this test method is to determine the cored depth of Trunk, Feeder, and Distribution Coaxial cable. The core depth is the internal measured distance between the dielectric foam and the square-cut end of the outer sheath. This test method will define the suggested method for core depth measurement.

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 www.scte.org
Contact: Kim Cooney; kcooney@scte.org

Revision

BSR/SCTE 60-202x, Test Method for Interface Moisture Migration Double Ended (revision of ANSI/SCTE 60-2015)

Stakeholders: Cable Telecommunications industry.
Project Need: Update current technology.
Scope: The purpose of this document is to provide a test method for detecting moisture penetration into the coaxial connector/cable and or the connector/port interface.

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 www.scte.org
Contact: Kim Cooney; kcooney@scte.org

Revision

BSR/SCTE 144-202x, Test Procedure for Measuring Transmission and Reflection (revision of ANSI/SCTE 144-2017)

Stakeholders: Cable Telecommunications industry.
Project Need: Update current technology.
Scope: The purpose of this test procedure is to determine the reflection at any port, or the transmission between any two ports of a properly terminated device, as measured across a frequency range of interest. Depending on the use of the data, return loss, insertion gain or loss, isolation, response variation, or bandwidth can be derived. This specification is applicable to the testing of 75-Ω devices.

TCATA (Textile Care Allied Trades Association)

PO Box 690905, Houston, TX 77269-0905 www.tcata.org
Contact: Chris Felinski; cfelinski@b11standards.org

Revision

BSR Z8.1-202x, Safety Requirements for Commercial Laundry Equipment and Operations (revision of ANSI Z8.1-2016)

Stakeholders: Manufacturers, users, and producers.
Project Need: Update current standard with technical elements in order to align with other relevant standards.
Scope: This standard applies to the safety design and safe operation of equipment and some system(s) used in commercial and institutional laundries and drycleaning plants. It does not apply to coin-operated or ticket-operated laundries or any drycleaning establishments (except for Garment Finishing and Pressing Equipment used in plants which primarily process laundered goods).

VC (ASC Z80) (The Vision Council)

225 Reinekers Lane, Suite 700, Alexandria, VA 22314 www.z80asc.com
Contact: Michele Stolberg; ascz80@thevisioncouncil.org

Revision

BSR Z80.31-202x, Ophthalmic Optics - Specifications for Ready-to-Wear Near-Vision Spectacles (revision of ANSI Z80.31-2017)

Stakeholders: Manufacturers of over-the-counter ready-to-wear near-vision spectacles, eye care professionals (e.g., ophthalmologists, optometrists, opticians) who recommend such eye wear to their patients, and consumers.
Project Need: This item requires updating in order to maintain compliance with ANSI's 5-year review requirement.
Scope: This standard specifies the minimum requirements for complete ready-to-wear near-vision spectacles with positive power available directly to the public without the prescription of a licensed professional.

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 www.vita.com
Contact: Jing Kwok; jing.kwok@vita.com

Revision

BSR/VITA 48.4-202xx, Liquid Flow-Thru VPX Plug-In Module Standard (revision of ANSI/VITA 48.4-2018)

Stakeholders: Manufacturers, system integrators, end users of critical embedded systems.
Project Need: Develop standard implementation for liquid-flow-through for critical embedded modules.
Scope: This standard establishes the mechanical design interface control, outline and mounting requirements for a liquid-flow-through cooled Plug-In Module to ensure the mechanical intermateability of 6U VPX liquid-flow-through cooled Plug-In Module within associated sub-racks. The connector layout remains common with VITA 46. This Plug-In Module uses liquid flowing through an integral heatsink of the module for cooling the electronic components and circuit boards. The quick disconnect coupling assemblies allow fluidic coupling to the chassis coolant manifold. This revision expands the supplier list for COTS components, corrects errors in depicted dimensions, adds additional conformance, and improves elements to expand the supplier base.

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 www.vita.com
Contact: Jing Kwok; jing.kwok@vita.com

Revision

BSR/VITA 67.3-202xx, Coaxial Interconnect on VPX, Spring-Loaded Contact on Backplane (revision of ANSI/VITA 67.3 -2020)

Stakeholders: Manufacturers, suppliers, and users of modular embedded computers.
Project Need: Create a spring loaded contact coaxial connector for VPX modules.
Scope: This document describes an open standard for configuration and interconnect within the structure of VITA 67.0 enabling an interface compatible with VITA 46 containing multi-position blind-mate analog connectors with coaxial contacts, having fixed contacts on the Plug-In Module and spring action on the backplane. This revision opens backplane cutout tolerances to improve manufacturability, improves consistency of VSWR terminology, updates connector module figures and adds connector module frame dimensions for NanoRF.

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: April 25, 2021

NSF (NSF International)

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

Revision

BSR/NSF 37-202x (i9r1), Air Curtain for Entranceways for Food and Food Service Establishments (revision of ANSI/NSF 37 -2017)

Equipment covered by this Standard includes, but is not limited to, air curtains for entranceways in food and food service establishments (e.g., service and customer entries, service windows, cooler, and cold storage entries). Housing, air moving equipment, air directional regulating devices, and other appurtenances to the air curtain are included.

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) 827-5643 w: www.nsf.org

Revision

BSR/NSF 42-202x (i112r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2020)

It is the purpose of this Standard to establish minimum requirements for materials, design and construction, and performance of drinking water treatment systems that are designed to reduce specific aesthetic-related (non-health effects) contaminants in public or private water supplies. This Standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners as well as the minimum service-related obligations that the manufacturer shall extend to system owners.

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

Comment Deadline: April 25, 2021

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-5643 w: www.nsf.org

Revision

BSR/NSF 55-202x (i55r1), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2019)

The purpose of this Standard is to establish minimum requirements for the reduction of microorganisms using ultraviolet radiation (UV). UV water treatment systems covered by this Standard are intended for water that may be either microbiologically safe or microbiologically unsafe. This Standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners, as well as the minimum service-related obligations that the manufacturer shall extend to system owners.

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

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-6866 w: www.nsf.org

Revision

BSR/NSF 456-202x (i2r1), Vaccine Storage (revision of ANSI/NSF 456-2021)

Equipment covered by this Standard includes, but is not limited to, refrigerators, freezers, and combination units that are comprised of separate refrigerator and freezer sections.

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

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-6866 w: www.nsf.org

Revision

BSR/NSF 456-202x (i3r1), Vaccine Storage (revision of ANSI/NSF 456-2021)

Equipment covered by this Standard includes, but is not limited to, refrigerators, freezers, and combination units that are comprised of separate refrigerator and freezer sections.

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

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-6866 w: www.nsf.org

Revision

BSR/NSF 456-202x (i4r1), Vaccine Storage (revision of ANSI/NSF 456-2021)

Equipment covered by this Standard includes, but is not limited to, refrigerators, freezers, and combination units that are comprised of separate refrigerator and freezer sections.

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

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-6866 w: www.nsf.org

Revision

BSR/NSF 456-202x (i5r1), Vaccine Storage (revision of ANSI/NSF 456-2021)

Equipment covered by this Standard includes, but is not limited to, refrigerators, freezers, and combination units that are comprised of separate refrigerator and freezer sections.

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

Comment Deadline: April 25, 2021

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-6866 w: www.nsf.org

Revision

BSR/NSF 456-202x (i6r1), Vaccine Storage (revision of ANSI/NSF 456-2021)

Equipment covered by this Standard includes, but is not limited to, refrigerators, freezers, and combination units that are comprised of separate refrigerator and freezer sections.

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

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 p: (847) 664-3416 w: https://ul.org/

Revision

BSR/UL 180-202x, Standard for Safety for Combustible Liquid Tank Accessories (revision of ANSI/UL 180-2019)

The following is being re-circulated: (1) Revision to the Manufacturing and Production Leakage Test; (2) Clarification of B100 rating option; and (3) Clarification of sample exposures to applicable test liquids and 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)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-0973 w: https://ul.org/

Revision

BSR/UL 1180-202X, Standard for Fully Inflatable Recreational Personal Flotation Devices (revision of ANSI/UL 1180-2020)

UL proposes the removal of low mark requirements for Type III Inflatables in UL 1180.

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: May 10, 2021

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 p: (703) 253-8289 w: www.aami.org

New Standard

BSR/AAMI SW96-202x, Standard for medical device security - Security risk management for device manufacturers (new standard)

This standard provides requirements and guidance when addressing design, production, and post-production security risk management within the risk management framework defined by ANSI/AAMI/ISO 14971. While it is based on the ANSI/AAMI/ISO 14971 framework for medical device risk management, most concepts are applicable to any healthcare product, including digital health, that requires the management of security.

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

Comment Deadline: May 10, 2021

AAMI (Association for the Advancement of Medical Instrumentation)

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

Reaffirmation

BSR/AAMI ST15883-1-2009 (R202x), Washer-disinfectors, Part 1: General requirements, terms and definitions and tests (reaffirm a national adoption ANSI/AAMI ST15883-1-2009 (R2014), ANSI/AAMI ST15883-1-2009/A1-2014, ANSI/AAMI ST15883 -1-2009/A2-2012)

Specifies general performance requirements for washer-disinfectors (WD) and their accessories that are intended to be used for cleaning and disinfection of re-usable medical devices and other articles used in the context of medical, dental, pharmaceutical, and veterinary practice. It specifies performance requirements for cleaning and disinfection as well as for the accessories which can be required to achieve the necessary performance. The methods and instrumentation required for validation, routine control and monitoring, and re-validation, periodically and after essential repairs, are also specified.

Single copy price: $160.00 (AAMI members)/$282.00 (list)
Obtain an electronic copy from: https://store.aami.org/s/store#/store/browse/detail/a152E000006j61pQAA
Send comments (with optional copy to psa@ansi.org) to: abenedict@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

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

Reaffirmation

BSR/AAMI ST15883-2-2013 (ISO 15883-2-2006 MOD)-2013 (R202x), Washer-disinfectors - Part 2: Requirements and tests for washer-disinfectors employing thermal disinfection for surgical instruments, anesthetic equipment, bowls, dishes, receivers, utensils, glassware, etc. (reaffirm a national adoption ANSI/AAMI ST15883-2-2013 (ISO 15883-2-2006 MOD)-2013 (R2015))

This standard specifies particular requirements for washer disinfectors (WD) that are intended for use for the cleaning and thermal disinfection, in a single operating cycle, of re-usable medical devices such as surgical instruments; anaesthetic equipment; bowls; dishes; and receivers, utensils, and glassware.

Single copy price: $74.00 (AAMI members)/$131.00 (list)
Obtain an electronic copy from: https://store.aami.org/s/store#/store/browse/detail/a152E000006j61qQAA
Send comments (with optional copy to psa@ansi.org) to: abenedict@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

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

Reaffirmation

BSR/AAMI ST15883-3-2012 (ISO 15883-3-2006) MOD-2012 (R202x), Washer-disinfectors - Part 3: Requirements and tests for washer-disinfectors employing thermal disinfection for human waste containers (reaffirm a national adoption ANSI/AAMI ST15883-3-2012 (ISO 15883-3-2006) MOD-2012 (R2015))

This standard specifies particular requirements for washer-disinfectors (WD) that are intended to be used for emptying, flushing, cleaning and thermal disinfection of containers used to hold human waste for disposal by one operating cycle.

Single copy price: $74.00 (AAMI members)/$131.00 (list)
Obtain an electronic copy from: https://store.aami.org/s/store#/store/browse/detail/a152E000006j61rQAA
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AAMI (Association for the Advancement of Medical Instrumentation)

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

Reaffirmation

BSR/AAMI/ISO 11140-3-2012 (R202x), Sterilization of health care products - Chemical indicators - Part 3: Class 2 indicator systems for use in the Bowie and Dick-type steam penetration test (reaffirm a national adoption ANSI/AAMI/ISO 11140-3-2012 (R2015))

This standard specifies the requirements for chemical indicators to be used in the steam penetration test for steam sterilizers for wrapped goods, e.g., instruments and porous materials. The indicator for this purpose is a Class 2 indicator as described in ISO 11140-1.

Single copy price: $93.00 (AAMI members)/$162.00 (list)
Obtain an electronic copy from: https://store.aami.org/s/store#/store/browse/detail/a152E000006j5v7QAA
Send comments (with optional copy to psa@ansi.org) to: abenedict@aami.org

Comment Deadline: May 10, 2021

AAMI (Association for the Advancement of Medical Instrumentation)

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

Reaffirmation

BSR/AAMI/ISO 11140-4-2012 (R202x), Sterilization of health care products - Chemical indicators - Part 4: Class 2 indicators as an alternative to Bowie and Dick test for detection of steam penetration (reaffirm a national adoption ANSI/AAMI/ISO 11140-4 -2012 (R2015))

This standard specifies performance for a Class 2 indicator to be used as an alternative to the Bowie and Dick test for steam sterilizers for wrapped health care goods (e.g., instruments and porous loads).

Single copy price: $114.00 (AAMI members)/$200.00 (list)
Obtain an electronic copy from: https://store.aami.org/s/store#/store/browse/detail/a152E000006j5v8QAA
Send comments (with optional copy to psa@ansi.org) to: abenedict@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

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

Reaffirmation

BSR/AAMI/ISO 11140-5-2012 (R202x), Sterilization of health care products - Chemical indicators - Part 5: Class 2 indicators for Bowie and Dick-type air removal tests (reaffirm a national adoption ANSI/AAMI/ISO 11140-5-2012 (R2015))

This standard specifies the requirements for an indicator and alternative test system used to evaluate the effectiveness of air removal during the pre-vacuum phase of pre-vacuum steam sterilization cycles.

Single copy price: $93.00 (AAMI members)/$162.00 (list)
Obtain an electronic copy from: https://store.aami.org/s/store#/store/browse/detail/a152E000006j5v9QAA
Send comments (with optional copy to psa@ansi.org) to: abenedict@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

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

Reaffirmation

BSR/AAMI/ISO 20857-2010 (R202x), Sterilization of health care products - Dry heat: Requirements for the development, validation and routine control of a sterilization process for medical devices (reaffirm a national adoption ANSI/AAMI/ISO 20857-2010 (R2015))

This standard specifies requirements for the development, validation and routine control of a dry-heat sterilization process for medical devices. Also specifies requirements and provides guidance in relation to depyrogenation processes using dry heat.

Single copy price: $137.00 (AAMI members)/$243.00 (list)
Obtain an electronic copy from: https://store.aami.org/s/store#/store/browse/detail/a152E000006j5s9QAA
Send comments (with optional copy to psa@ansi.org) to: abenedict@aami.org

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 p: (312) 587-4129 w: www.ada.org

Withdrawal

ANSI/ADA Standard No. 46-2016, Dental Patient Chair (withdrawal of ANSI/ADA Standard No. 46-2016)

This standard is applicable to all patient chairs, regardless of their construction, and regardless of whether they are operated manually, electrically, or by other means, or as a combination of these.

Single copy price: $65.00
Obtain an electronic copy from: standards@ada.org
Order from: Paul Bralower; bralowerp@ada.org
Send comments (with optional copy to psa@ansi.org) to: Same

Comment Deadline: May 10, 2021

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 B30.5-202x, Mobile and Locomotive Cranes (revision of ANSI/ASME B30.5-2018)

Within the general scope defined in Section I of the B30 Standard Introduction, standard B30.5 applies to crawler cranes, locomotive cranes, wheel-mounted cranes, and any variations thereof that retain the same fundamental characteristics. The scope includes only cranes of the above types that are basically powered by internal combustion engines or electric motors.

Single copy price: Free
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (with optional copy to psa@ansi.org) to: Kathleen Peterson, petersonk@asme.org

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 B30.7-202x, Winches (revision of ANSI/ASME B30.7-2016)

The B30.7 Volume includes provisions that apply to the construction, installation, operation, inspection, testing, and maintenance of winches arranged for mounting on a foundation or other supporting structure for moving loads. Winches addressed in this Volume are those typically used in industrial, construction, and maritime applications. The requirements included in this Volume apply to winches that are powered by internal combustion engines, electric motors, compressed air, or hydraulics, and that utilize drums and rope.

Single copy price: Free
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (with optional copy to psa@ansi.org) to: Kathleen Peterson, petersonk@asme.org

CSA (CSA America Standards Inc.)

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

Reaffirmation

BSR Z83.18-2016 (R202x), Recirculating direct gas-fired heating and forced ventilation appliances for commercial and industrial applications (reaffirmation of ANSI Z83.18-2016)

Details test and examination criteria for recirculating direct gas-fired industrial air heaters for use with natural, manufactured, and mixed gases; LP gases; and LP gas-air mixtures. Its purpose is to offset building heat loss. Ventilation air to the heater is ducted directly from outdoors and the products of combustion generated by the heater are released into the air stream being heated. Inside air may be introduced before or after the combustion zone.

Single copy price: Free
Obtain an electronic copy from: ansi.contact@csagroup.org
Send comments (with optional copy to psa@ansi.org) to: ansi.contact@csagroup.org

CSA (CSA America Standards Inc.)

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

Reaffirmation

BSR Z83.25 (CSA3.19)-2016 (R202x), Direct gas-fired process air heaters (same as CSA 3.19) (reaffirmation of ANSI Z83.25 (CSA3.19)-2016)

Details test and examination criteria for direct gas-fired process air heaters of the recirculating or non-recirculating type, whose primary purpose is to provide process heating to non-occupied spaces within commercial and industrial buildings and may also include operation as a non-recirculating ventilation air heater if operated during periods when the space is occupied.

Single copy price: Free
Obtain an electronic copy from: ansi.contact@csagroup.org
Send comments (with optional copy to psa@ansi.org) to: ansi.contact@csagroup.org

Comment Deadline: May 10, 2021

GBI (Green Building Initiative)

7805 S.W. 40th #80010, Portland, OR 97280 p: (503) 274-0448 103 w: www.thegbi.org

Revision

BSR/GBI 01-202X, Green Globes Assessment Protocol for Commercial Buildings (revision of ANSI/GBI 01-2019)

The Standard includes criteria and practices for resource-efficient, healthy, resilient, and environmentally preferable construction of commercial buildings. Six areas of green building design will be included: environmental/project management, site, energy, water efficiency, materials, and indoor environment.

Single copy price: $25.00 USD (Paper); Free (Online)
Obtain an electronic copy from: https://thegbi.org/ansi
Order from: Emily Marx; marx@thegbi.org
Send comments (with optional copy to psa@ansi.org) to: Same

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 p: (909) 519-0740 w: www.asse-plumbing.org

New Standard

BSR/ASSE 1099/WSC-PST-202x, Performance Requirements for Pressurized Water Storage Tanks (new standard)

This standard prescribes minimum performance and construction requirements for pressurized storage tanks for service in water well systems with a maximum factory pre-charge pressure of 40 psig (276 kPa).

Single copy price: Free
Obtain an electronic copy from: terry.burger@asse-plumbing.org
Send comments (with optional copy to psa@ansi.org) to: terry.burger@asse-plumbing.org

ISEA (ASC Z87) (International Safety Equipment Association)

1901 North Moore Street, Suite 808, Arlington, VA 22209 p: (703) 525-1695 w: www.safetyequipment.org

New Standard

BSR ISEA Z87.62-202x, Occupational and Educational Eye and Face Protection Devices for Preventing Exposures Caused by Sprays or Spurts of Blood or Body Fluids (new standard)

This standard sets forth criteria related to the general requirements, testing, permanent marking, selection, care, and use of protectors to minimize or prevent exposure to the wearer's eyes and/or face caused by biological hazards including, but not limited to, blood, body fluids, or other potentially infectious materials (OPIMs) or microorganisms, viruses, or toxins from a biological source that can affect human health. This standard is not intended to address hazards related to transmission of an infectious agent by particles, dust, or droplet nuclei that are suspended in the air, and which may require other additional forms of protection.

Single copy price: $50.00
Obtain an electronic copy from: https://safetyequipment.org/resources/shop/
Send comments (with optional copy to psa@ansi.org) to: cfargo@safetyequipment.org

Comment Deadline: May 10, 2021

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 p: (770) 209-7278 w: www.tappi.org

New Standard

BSR/TAPPI T 258 om-202x, Basic density and moisture content of pulpwood (new standard)

This method describes the measurement of the basic density (bone-dry weight per unit of maximum volume) of pulpwood in the form of chips or disks from the cross-section of logs. The method also gives procedures for determining the moisture content of wood in either form. For moisture content of wood in the form of sawdust, see TAPPI T 264, Preparation of Wood for Chemical Analysis (Including Procedures for Removal of Extractives and Determination of Moisture Content). Moisture content is determined by the difference in weight as received and after drying at 105 ± 3°C. Volume is determined by the amount of water displaced by the test specimen of wood. Because wood swells or shrinks, respectively, with absorption or loss of water, it is necessary to express the density at a specified moisture content and corresponding volume. The usual conditions are the minimum (oven-dry or moisture-free) weight and the maximum (green) or the minimum (oven-dry or moisture-free) volume. For most purposes, the maximum volume basis is sufficient. In the present method, the specimen is considered to have swollen to its maximum volume when its moisture content exceeds the “fiber-saturation point,” which lies between 18 and 26% by weight (wet basis) for most species. Procedures for obtaining the volume, both green and oven-dry, are described in this method. NOTE 1: Many wood technologists consider the density of wood is best expressed only on the basis of oven-dry weight and maximum volume, because at moisture contents above the fiber-saturation point the maximum volume is essentially constant.

Single copy price: Free
Obtain an electronic copy from: standards@tappi.org
Order from: standards@tappi.org
Send comments (with optional copy to psa@ansi.org) to: Deborah Dodson, standards@tappi.org

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 p: (770) 209-7278 w: www.tappi.org

New Standard

BSR/TAPPI T 414 om-202x, Internal tearing resistance of paper (Elmendorf-type method) (new standard)

This method measures the force perpendicular to the plane of the paper required to tear multiple plies through a specified distance after the tear has been started using an Elmendorf-type tearing tester. It does not measure edge-tear resistance. The measured results may be used to calculate the approximate tearing resistance of a single sheet. It is not suitable for single-ply tear testing. For highly directional boards and papers, prepare specimens according to T 496, Specimen Preparation for Cross Directional Internal Tearing Resistance for Paper, Paperboard and Related Materials. See section 8.5. Caution is recommended in interpreting results from weakly bonded sheets, especially those containing lightly refined long-fibered chemical pulps. The low rate of tear when multiple plies are torn simultaneously may produce erroneously high results.

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TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 p: (770) 209-7278 w: www.tappi.org

New Standard

BSR/TAPPI T 537 om-202x, Dirt count in paper and paperboard (optical character recognition - OCR) (new standard)

This method is suited for the numerical estimation of cleanliness for optical character recognition (OCR) purposes of paper and paperboard in terms of the frequency of dirt, specks, or marks. For other dirt count methods, see TAPPI T 437, Dirt in Paper and Paperboard; TAPPI T 213, Dirt in Pulp; and TAPPI T 563, Equivalent Black Area (EBA) and Count of Visible Dirt in Pulp, Paper and Paperboard by Image Analysis. This method may be used in applications where the number of specks per unit area rather than the equivalent black area is required. In this method, each dirt speck is counted individually regardless of size, shape, or color. This differs from TAPPI T 437 where the dirt is expressed in terms of equivalent black area and is a function of its color, contrast with the background, and shape...

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TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 p: (770) 209-7278 w: www.tappi.org

New Standard

BSR/TAPPI T 556 om-202x, Bending resistance of paper and paperboard by single-point bending methods (new standard)

This procedure is used to measure the bending resistance of paper and paperboard in the machine and cross-machine directions, by determining the bending resistance in mN of a 38 mm (1.5 in.) wide vertically clamped sample, at 15° or 7.5° deflection. For this method, the standard bending angle is 15 ± 0.1°. For specimens that break or are otherwise unsuitable at 15°, a bending angle of 7.5 ± 0.1° shall be used.

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Send comments (with optional copy to psa@ansi.org) to: Deborah Dodson, standards@tappi.org

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 p: (770) 209-7278 w: www.tappi.org

New Standard

BSR/TAPPI T 560 om-202x, CIE whiteness and tint of paper and paperboard (d/0 geometry, C/2 illuminant/observer) (new standard)

This method is to be used to determine the CIE whiteness and tint indices of white or near-white specimens with or without optical brighteners. Whiteness differs fundamentally from paper brightness in that whiteness includes the entire visible spectrum in its assessment whereas brightness includes only the blue portion of the spectrum.

Single copy price: Free
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TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 p: (770) 209-7278 w: www.tappi.org

New Standard

BSR/TAPPI T 562 om-202x, CIE whiteness and tint of paper and paperboard (45/0 geometry, C/2 illuminant/observer) (new standard)

This method is to be used to determine the CIE whiteness and tint indices of white or near-white specimens with or without optical brighteners. Whiteness differs fundamentally from paper brightness in that whiteness includes the entire visible spectrum in its assessment whereas brightness includes only the blue portion of the spectrum.

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TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 p: (770) 209-7278 w: www.tappi.org

New Standard

BSR/TAPPI T 829 om-202x, Score quality test (new standard)

This method describes a qualitative method for evaluating the relative quality of scores in corrugated containers.

Single copy price: Free
Obtain an electronic copy from: standards@tappi.org
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Send comments (with optional copy to psa@ansi.org) to: Deborah Dodson, standards@tappi.org

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TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 p: (770) 209-7278 w: www.tappi.org

Reaffirmation

BSR/TAPPI T 257 sp-2014 (R202x), Sampling and preparing wood for analysis (reaffirmation of ANSI/TAPPI T 257 sp-2014)

This practice is applicable to the sampling of wood for all chemical tests. The procedures describe the sampling of wood in all forms, i.e., logs, chips, or sawdust. Two sampling plans are described: A probability sampling plan which provides test units from which some property of the wood may be determined within known and controlled limits at a minimum total cost; an economic or engineered sampling plan which minimizes errors due to variations in the raw material or the quality of the lot.

Single copy price: Free
Obtain an electronic copy from: standards@tappi.org
Order from: standards@tappi.org
Send comments (with optional copy to psa@ansi.org) to: Deborah Dodson, standards@tappi.org

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 p: (770) 209-7278 w: www.tappi.org

Reaffirmation

BSR/TAPPI T 437 om-2012 (R202x), Dirt in paper and paperboard (reaffirmation of ANSI/TAPPI T 437 om-2012)

This method (1-3) is suited for the visual estimation of dirt in paper or paperboard in terms of equivalent black area. For dirt in pulp, see TAPPI T 213, Dirt in Pulp. This method is a visual inspection method for the evaluation of the Equivalent Black Area (EBA) measurement of dirt in paper and paperboard. An equivalent instrumental method using image analysis for the measurement of dirt in pulp, paper, and paperboard in units of parts per million is given in TAPPI T 563, Equivalent Black Area (EBA) and count of visible dirt in paper and paperboard by image analysis. T 537, Dirt count in paper and paperboard (optical character recognition - OCR) reports the number of specks of 0.02 mm2 or larger per square meter ...

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TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 p: (770) 209-7278 w: www.tappi.org

Reaffirmation

BSR/TAPPI T 454 om-2015 (R202x), Turpentine test for voids in glassine and greaseproof papers (reaffirmation of ANSI/TAPPI T 454 om-2015)

This method gives an accelerated comparison of the relative rates at which oils or greases, such as commonly found in foodstuffs, may be expected to penetrate papers such as greaseproof, glassine, and vegetable parchment. In addition, it may be used to select and predict the performance of these grades of papers for an intended end use. The selection should be used as preliminary to, and not a substitute for, tests with prototype end products containing the oils or greases of interest. It may not be applicable to grades of paper or paperboard that are given grease or oil resistance by means of a coating or internal treatment.

Single copy price: Free
Obtain an electronic copy from: standards@tappi.org
Order from: standards@tappi.org
Send comments (with optional copy to psa@ansi.org) to: Deborah Dodson, standards@tappi.org

Comment Deadline: May 10, 2021

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 p: (770) 209-7278 w: www.tappi.org

Reaffirmation

BSR/TAPPI T 512 sp-2012 (R202x), Creasing of flexible packaging material paper specimens for testing (reaffirmation of ANSI/TAPPI T 512 sp-2012)

This standard practice describes a creasing procedure for tests requiring creased specimens of flexible packaging materials made of paper or paper-based materials. In most instances, it is advantageous to compare the results of the creased specimens with those of uncreased specimens. This standard practice is not applicable to board grades (those exceeding 0.25 mm [0.01 in.] in thickness).

Single copy price: Free
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Order from: standards@tappi.org
Send comments (with optional copy to psa@ansi.org) to: Deborah Dodson, standards@tappi.org

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 p: (770) 209-7278 w: www.tappi.org

Reaffirmation

BSR/TAPPI T 529 om-2014 (R202x), Surface pH measurement of paper (reaffirmation of ANSI/TAPPI T 529 om-2014)

This non-destructive test may be used to measure the hydrogen ion concentration (pH) on the surface of the paper in books and documents that constitute the collections of libraries and government archives. This method serves as an alternative to TAPPI T 509, Hydrogen Ion Concentration (pH) of Paper Extracts - Cold Extraction Method, and TAPPI T 435, Hydrogen Ion Concentration (pH) of Paper Extracts - Hot Extraction Method, because it avoids the destruction of printed material in the determination of the permanence expected for paper (see also 11.2). pH values obtained through the application of this method to sized materials such as writing and printing, and industrial papers reflect only the pH of the surface of these materials and should not be construed as pH values which may be determined by the cold water extraction method of the same material.

Single copy price: Free
Obtain an electronic copy from: standards@tappi.org
Order from: standards@tappi.org
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TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 p: (770) 209-7278 w: www.tappi.org

Reaffirmation

BSR/TAPPI T 563 om-2015 (R202x), Equivalent black area (EBA) and count of visible dirt in pulp, paper and paperboard by image analysis (reaffirmation of ANSI/TAPPI T 563 om-2015)

The level of visible dirt present in pulp, paper, or paperboard can impact its usefulness in a specific end-use application. In such cases, the presence of visible dirt specks which are high in number, easily noticed in visual examination, or both, may detract more from the apparent usefulness of the paper material than does a lower number of specks, or specks which are less easily noticed by the eye. Both the number of dirt specks and their visual impact may be important. For someone controlling or monitoring the paper-making process, the absolute physical area of dirt, or the number of dirt specks present in an inspection area may be of greatest importance. For the end-user of the paper material, the overall visual impression may be the critical parameter.

Single copy price: Free
Obtain an electronic copy from: Standards@tappi.org
Order from: standards@tappi.org
Send comments (with optional copy to psa@ansi.org) to: Deborah Dodson, standards@tappi.org

Comment Deadline: May 10, 2021

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 p: (770) 209-7278 w: www.tappi.org

Revision

BSR/TAPPI T 272 sp-202x, Forming handsheets for reflectance testing of pulp (sheet machine procedure) (revision of ANSI/TAPPI T 272 sp-2012)

This practice describes the procedure using the TAPPI sheet machine for preparing reflectance-testing specimen sheets of bleached or unbleached pulp whose fibers are readily dispersed in water. This practice permits the preparation of sheets having a smooth and reproducible surface for reflectance measurements with a minimum of washing or contamination of the sample. The pulp sample slurry is adjusted to a pH of 6.5 ± 0.5. TAPPI Standard Practice T 218 describes a procedure for using the Büchner funnel for making handsheets for the same application. The purpose for having two practices is discussed in sections 4.3 and 4.4. See Appendix for consideration of recycled pulps.

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TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 p: (770) 209-7278 w: www.tappi.org

Revision

BSR/TAPPI T 402 sp-202x, Standard conditioning and testing atmospheres for paper, board, pulp handsheets, and related products (revision of ANSI/TAPPI T 402 sp-2013)

This standard practice defines the standard atmospheres for normal preconditioning, conditioning, and testing of paper and paper products, paperboard, fiberboard, and containers made from them. It also specifies procedures for handling these materials in order that they may reach equilibrium with the respective atmosphere. This standard practice is also applicable to standard pulp test handsheets, except that the preconditioning procedure is omitted, that is, the sheets are not dried to conditions below those obtained by exposure to the standard conditioning and testing atmospheres. (See TAPPI T 205, Forming Handsheets for Physical Tests of Pulp.) This standard practice does not include special conditioning and testing atmospheres, such as those that attempt to simulate tropical or arctic environments.

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TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 p: (770) 209-7278 w: www.tappi.org

Revision

BSR/TAPPI T 657 sp-202x, Sampling of fillers and pigments (revision of ANSI/TAPPI T 657 sp-2012)

This document describes procedures for sampling shipments of fillers, pigments, and other materials in finely divided form for the purpose of securing a sample for analysis. Procedures are given for sampling dry bulk and bagged shipments, as well as high-solids slurries.

Single copy price: Free
Obtain an electronic copy from: Standards@tappi.org
Order from: standards@tappi.org
Send comments (with optional copy to psa@ansi.org) to: Deborah Dodson, Standards@tappi.org

Comment Deadline: May 10, 2021

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 p: (770) 209-7278 w: www.tappi.org

Revision

BSR/TAPPI T 826 om-202x, Short span compressive strength of containerboard (revision of ANSI/TAPPI T 826 om-2013)

This method describes a procedure for determining the compressive resistance of containerboard. This method is intended for containerboard having a span-to-thickness ratio of 5 or less. This is equivalent to a grammage of between approximately 100 g/m^2 (20 $lb/1000\ ft^2$) and 440 g/m^2 (90 $lb/1000\ ft^2$).

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TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 p: (770) 209-7278 w: www.tappi.org

Revision

BSR/TAPPI T 831 om-202x, Water absorption of corrugating medium: water drop penetration test (revision of ANSI/TAPPI T 831 om-2014)

The water absorptivity of corrugating medium is measured by dropping a drop of water on the surface of a specimen and determining the time in seconds for the drop to penetrate through the sheet and wet the lower surface. This method is applicable to corrugating medium as it is commercially produced by all processes. It is generally applicable to relatively unsized (water leaf) containerboards but may not be applicable to more highly sized boards or to grades produced in different grammage (basis weight) than those normally used in corrugating medium. Alternative methods which can be performed in the same general time period with equal repeatability do not give the same numerical results, but, in general, will rank the materials in the same order as this method (see Section 9.2).

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Obtain an electronic copy from: standards@tappi.org
Order from: standards@tappi.org
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TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092 p: (770) 209-7278 w: www.tappi.org

Revision

BSR/TAPPI T 1215 sp-202x, The determination of instrumental color differences (revision of ANSI/TAPPI T 1215 sp-2012)

This standard practice provides a general introduction to the use of color differences and a list of the most widely used equations to obtain them. Color differences can be used (1) as a guide to establishing color tolerances in the production of pulp, paper, and paperboard; (2) for the determination of buying and selling tolerances of color; (3) to provide a method of determining the adequacy of color matches.

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Obtain an electronic copy from: standards@tappi.org
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Send comments (with optional copy to psa@ansi.org) to: Deborah Dodson, standards@tappi.org

Comment Deadline: May 10, 2021

TIA (Telecommunications Industry Association)

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

New National Adoption

BSR/TIA 526-28-202x, Fibre-optic Communication Subsystem Test Procedures - Part 4-5: Installed Cabling Plant - Attenuation measurement of MPO Terminated Fibre-optic Cabling Plant Using Test Equipment with MPO Interfaces (identical national adoption of IEC 61280-4-5)

Adopt IEC 61280-4-5: 2020 as a new ANSI/TIA 526 document.

Single copy price: $146.00
Obtain an electronic copy from: TIA (standards-process@tiaonline.org)
Order from: TIA (standards-process@tiaonline.org)
Send comments (with optional copy to psa@ansi.org) to: standards-process@tiaonline.org

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-0956 w: https://ul.org/

Reaffirmation

BSR/UL 2518-2016 (R202x), Standard for Air Dispersion Systems (reaffirmation of ANSI/UL 2518-2016)

(1) Reaffirmation and continuance of the first edition of the Standard for Air Dispersion Systems, UL 2518, as a standard.

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: May 25, 2021

ASME (American Society of Mechanical Engineers)

Two Park Avenue, 6th Floor, 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 A112.19.19-2016 (R202x), Vitreous China Nonwater Urinals (reaffirmation of ANSI/ASME A112.19.19-2016)

This Standard establishes requirements and test methods pertaining to materials, significant dimensions, and functional performance for vitreous china nonwater urinals, including those with an optional drain-cleansing feature as defined in this Standard.

Single copy price: $35.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (with optional copy to psa@ansi.org) to: Angel L. Guzman Rodriguez, guzman@asme.org

ASME (American Society of Mechanical Engineers)

Two Park Avenue, 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 PTC 30-1991 (R202x), Air Cooled Heat Exchangers (reaffirmation of ANSI/ASME PTC 30-1991 (R2016))

The scope of this Code covers, but is not limited to, the testing of mechanical draft heat exchangers, of both the forced draft and induced draft types; natural draft heat exchangers; and fan-assisted natural draft heat exchangers. This Code provides uniform methods and procedures for testing the thermodynamic and fluid mechanical performance of air-cooled heat exchangers.

Single copy price: $120.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (with optional copy to psa@ansi.org) to: Donnie Alonzo, dalonzo@asme.org

Comment Deadline: May 25, 2021

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

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

BSR/ASME B107.300-202x, Torque Instruments (revision of ANSI/ASME B107.300-2010 (R2016))

This Standard provides performance and safety requirements for manually operated torque instruments, commonly used for measurement of torque to control the tightness of threaded fasteners.

Single copy price: Free
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (with optional copy to psa@ansi.org) to: Daniel Papert, papertd@asme.org

CAAS (Commission on Accreditation of Ambulance Services)

1926 Waukegan Road, Suite 300, Glenview, IL 60025 p: (847) 657-6828 3016 w: www.caas.org

New Standard

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

BSR/CAAS v4.0-202x, CAAS Standards Version 4.0 (new standard)

CAAS Standards Version 4.0 is designed to provide administrative and operational guidelines for the entire Emergency Medical Services (EMS)/ground ambulance transportation industry. It establishes standardized administrative and operational requirements in the areas of organizational management, inter-agency relations, general management, financial management, community relations, public affairs, human resources, clinical standards, safe operations, managing risk, equipment, vehicles, facilities and communications centers, specialty care transports, and special response programs.

Single copy price: Free
Obtain an electronic copy from: http://www.caas.org/caas-v4-0-accreditation-standards-first-draft/
Send comments (with optional copy to psa@ansi.org) to: http://www.caas.org/caas-v4-0-accreditation-standards-first-draft/

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

New National Adoption

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

INCITS/ISO/IEC 7812-1:2017 [202x], Identification Cards - Identification of Issuers - Part 1: Numbering System (identical national adoption of ISO/IEC 7812-1:2017 and revision of INCITS/ISO/IEC 7812-1:2015 [2016])

Specifies a numbering system for the identification of the card issuers, the format of the issuer identification number (IIN) and the primary account number (PAN).

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New National Adoption

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

INCITS/ISO/IEC 7816-4:2020 [202x], Identification Cards - Integrated Circuit Cards - Part 4: Organization, Security and Commands for Interchange (identical national adoption of ISO/IEC 7816-4:2020 and revision of INCITS/ISO/IEC 7816-4:2013 [2016])

Is intended to be used in any sector of activity. It specifies: (a) contents of command-response pairs exchanged at the interface, (b) means of retrieval of data elements and data objects in the card, (c) structures and contents of historical bytes to describe operating characteristics of the card, (d) structures for applications and data in the card, as seen at the interface when processing commands, (e) access methods to files and data in the card, (f) a security architecture defining access rights to files and data in the card, (g) means and mechanisms for identifying and addressing applications in the card, (h) methods for secure messaging, and (i) access methods to the algorithms processed by the card. It does not describe these algorithms.

Single copy price: $232.00
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New National Adoption

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

INCITS/ISO/IEC 10373-6:2020 [202x], Cards and security devices for personal identification - Test methods - Part 6: Contactless proximity objects (identical national adoption of ISO/IEC 10373-6:2020 and revision of INCITS/ISO/IEC 10373-6:2016 [2016])

Defines test methods for characteristics of identification cards according to the definition given in ISO/IEC 7810. Each test method is cross-referenced to one or more base standards, which can be ISO/IEC 7810 or one or more of the supplementary standards that define the information storage technologies employed in identification card applications.

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New National Adoption

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

INCITS/ISO/IEC 11695-3:2017 [202x], Identification Cards - Optical Memory Cards - Holographic Recording Method - Part 3: Optical Properties and Characteristics (identical national adoption of ISO/IEC 11695-3:2017 and revision of INCITS/ISO/IEC 11695-3:2008 [R2016])

Specifies the optical properties and characteristics of optical memory cards using the holographic recording method.

Single copy price: $45.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
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Comment Deadline: May 25, 2021

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New National Adoption

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INCITS/ISO/IEC 14443-2:2020 [202x], Cards and security devices for personal identification - Contactless proximity objects - Part 2: Radio frequency power and signal interface (identical national adoption of ISO/IEC 14443-2:2020 and revision of INCITS/ISO/IEC 14443-2:2016 [2016])

Specifies the characteristics of the fields to be provided for power and bi-directional communication between proximity coupling devices (PCDs) and proximity cards or objects (PICCs). This document does not specify the means of generating coupling fields, nor the means of compliance with electromagnetic radiation and human exposure regulations, which can vary depending on the country.

Single copy price: $185.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
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New National Adoption

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

INCITS/ISO/IEC 18013-2:2020 [202x], Personal identification - ISO-compliant driving licence - Part 2: Machine-readable technologies (identical national adoption of ISO/IEC 18013-2:2020 and revision of INCITS/ISO/IEC 18013-2:2008 [R2016])

The purpose of storing IDL data on machine-readable media on the IDL is to: increase productivity (of data and IDL use), facilitate electronic data exchange, and assist in authenticity and integrity validation. This document thus specifies the following: mandatory and optional machine-readable data; the logical data structure; encoding rules for the machine-readable technologies currently supported.

Single copy price: $209.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
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New National Adoption

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

INCITS/ISO/IEC 19763-3:2020 [202x], Information Technology - Metamodel Framework for Interoperability (MFI) - Part 3: Metamodel for Ontology Registration (identical national adoption of ISO/IEC 19763-3:2020 and revision of INCITS/ISO/IEC 19763-3:2010 [R2016])

Specifies the metamodel that provides a facility to register administrative and evolution information related to ontologies. The metamodel is intended to promote interoperability among application systems, by providing administrative and evolution information related to ontologies, accompanied with standardized ontology repositories that register ontologies themselves in specific languages. This document does not specify the metamodels of ontologies expressed in specific languages and the mappings among them.

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New National Adoption

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

INCITS/ISO/IEC 23000-6:2012 [202x], Information technology - Multimedia application format (MPEG-A) - Part 6: Professional archival application format (identical national adoption of ISO/IEC 23000-6:2012 and revision of INCITS/ISO/IEC 23000-6:2009 [R2016])

The purpose of the PA-AF is to provide a standardized packaging format for digital files. This packaging format can also serve as an implementation of the information package specified by the Reference Model of Open Archival Information System (OAIS). The OAIS Reference Model is a framework for understanding and applying concepts necessary for long-term digital information preservation (where "long-term" is long enough to be concerned about changing technologies). In addition, PA-AF can also be used as an intermediate or exchange packaging format for any kind of multimedia content.

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Order from: http://webstore.ansi.org/
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New National Adoption

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

INCITS/ISO/IEC 23000-10:2012 [202x], Information technology - Multimedia application format (MPEG-A) - Part 10: Surveillance application format (identical national adoption of ISO/IEC 23000-10:2012 and revision of INCITS/ISO/IEC 23000 -10:2009 [R2016])

Specifies a file format designed to store data in and exchange data between surveillance systems. The file format provides an overall structure for media content and associated metadata. Media data coverage includes image, video and audio data. Specific features to support application of the format in surveillance systems include dedicated time information in a separate track as well as segmentation and segment linking provisions for media data.

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Order from: http://webstore.ansi.org/
Send comments (with optional copy to psa@ansi.org) to: comments@standards.incits.org

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:

ASTM (ASTM International)

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

BSR/ASTM WK70176-202x, New Test Method for Womens Lacrosse Stick Pocket Performance (new standard)

Inquiries may be directed to Laura Klineburger; accreditation@astm.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

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

BICSI (Building Industry Consulting Service International)

8610 Hidden River Parkway, Tampa, FL 33637 p: (813) 903-4712 w: www.bicsi.org

ANSI/BICSI 005-2016, Electronic Safety and Security (ESS) System Design and Implementation Best Practices

Questions may be directed to: Jeff Silveira; jsilveira@bicsi.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.

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 932-7015 w: https://www.asabe.org/

Reaffirmation

ANSI/ASABE/ISO 14269-1-2006 (R2021), Tractors and self-propelled machines for agriculture and forestry - Operator enclosure environment - Part 1: Vocabulary (reaffirm a national adoption ANSI/ASABE/ISO 14269-1 -2006 (R2017)) Final Action Date: 3/22/2021

Reaffirmation

ANSI/ASABE/ISO 14269-4-2006 (R2021), Tractors and self-propelled machines for agriculture and forestry - Operator enclosure environment - Part 4: Air filter element test method (reaffirm a national adoption ANSI/ASABE/ISO 14269-4-2006 (R2017)) Final Action Date: 3/16/2021

Reaffirmation

ANSI/ASABE/ISO 14269-5-2006 (R2021), Tractors and self-propelled machines for agriculture and forestry - Operator enclosure environment - Part 5: Pressurization system test method (reaffirm a national adoption ANSI/ASABE/ISO 14269-5-2006 (R2017)) Final Action Date: 3/16/2021

Revision

ANSI/ASABE EP585.1-MON2021, Animal Mortality Composting (revision and redesignation of ANSI/ASABE EP585-2015 (R2019)) Final Action Date: 3/16/2021

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 BPVC Section I-2021, Rules for Construction of Power Boilers (revision of ANSI/ASME BPVC Section I-2019) Final Action Date: 3/17/2021

Revision

ANSI/ASME BPVC Section III-2021, Rules for Construction of Nuclear Facility Components (revision of ANSI/ASME BPVC Section III-2019) Final Action Date: 3/15/2021

Revision

ANSI/ASME BPVC Section IV-2021, Rules for Construction of Heating Boilers (revision of ANSI/ASME BPVC Section IV-2019) Final Action Date: 3/16/2021

Revision

ANSI/ASME BPVC Section IX-2021, Welding, Brazing and Fusing Qualifications (revision of ANSI/ASME BPVC Section IX-2019) Final Action Date: 3/17/2021

Revision

ANSI/ASME BPVC Section V-2021, Nondestructive Examination (revision of ANSI/ASME BPVC Section V-2019) Final Action Date: 3/16/2021

Revision

ANSI/ASME BPVC Section X-2021, Fiber-Reinforced Plastic Pressure Vessels (revision of ANSI/ASME BPVC Section X-2019) Final Action Date: 3/15/2021

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 BPVC Section XI-2021, Section XI Rules for Inservice Inspection of Nuclear Power Plant Components (revision of ANSI/ASME BPVC Section XI-2019) Final Action Date: 3/18/2021

ASSP (Safety) (American Society of Safety Professionals)

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

New Standard

ANSI/ASSP Z9.9-2021, Portable Ventilation Systems (new standard) Final Action Date: 3/17/2021

Reaffirmation

ANSI/ASSP Z9.4-2011 (R2021), Abrasive-Blasting Operations - Ventilation and Safe Practices for Fixed Location Enclosures (reaffirmation and redesignation of ANSI/AIHA Z9.4-2011) Final Action Date: 3/16/2021

Revision

ANSI/ASSP Z359.11-2021, Safety Requirements for Full Body Harnesses (revision and redesignation of ANSI/ASSE Z359.11-2014) Final Action Date: 3/18/2021

ASTM (ASTM International)

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

Reaffirmation

ANSI/ASTM D2859-2016 (R2021), Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials (reaffirmation of ANSI/ASTM D2859-2016) Final Action Date: 3/15/2021

Revision

ANSI/ASTM D6792-2020, Practice for Quality Management Systems in Petroleum Products, Liquid Fuels, and Lubricants Testing Laboratories (revision of ANSI/ASTM D6792-2017) Final Action Date: 9/22/2020

Revision

ANSI/ASTM F493-2020, Specification For Solvent Cements For Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe and Fittings (revision of ANSI/ASTM F493-2017) Final Action Date: 12/22/2020

Revision

ANSI/ASTM F1495-2020, Specification for Combination Oven Electric or Gas Fired (revision of ANSI/ASTM F1495-2014A) Final Action Date: 9/22/2020

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 p: (305) 443-9353 301 w: www.aws.org

New National Adoption

ANSI/AWS A5.32M/A5.32-2021 (ISO 14175-2008 MOD), Welding Consumables - Gases and Gas Mixtures for Fusion Welding and Allied Processes (national adoption of ISO 14175:2008 with modifications and revision of ANSI/AWS A5.32/A5.32M:2011 (ISO 14175:2008)) Final Action Date: 3/22/2021

CSA (CSA America Standards Inc.)

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

Addenda

ANSI/CSA PRD 1-2021, Pressure relief devices for natural gas vehicle (NGV) fuel containers (addenda to ANSI/PRD 1-2020) Final Action Date: 3/16/2021

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

Revision
ANSI/CSA HPRD 1-2021, Thermally activated pressure relief devices for compressed hydrogen vehicle fuel containers (revision of ANSI/CSA HPRD 1-2013 (R2018)) Final Action Date: 3/16/2021

ECIA (Electronic Components Industry Association)
13873 Park Center Road, Suite 315, Herndon, VA 20171 p: (571) 323-0294 w: www.ecianow.org

Reaffirmation
ANSI/EIA 970-2013 (R2021), Test Procedure for High Frequency Characterization of Low Inductance Multilayer Ceramic Chip Capacitors (reaffirmation of ANSI/EIA 970-2013) Final Action Date: 3/22/2021

ITSDF (Industrial Truck Standards Development Foundation, Inc.)
1750 K Street NW, Suite 460, Washington, DC 20006 p: (202) 296-9880 w: www.indtrk.org

Revision
ANSI/ITSDF B56.6-2021, Safety Standard for Rough Terrain Forklift Trucks (revision of ANSI/ITSDF B56.6 -2016) Final Action Date: 3/22/2021

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

Revision
ANSI/NFPA 550-2022, Guide to the Fire Safety Concepts Tree (revision of ANSI/NFPA 550-2017) Final Action Date: 3/16/2021

Revision
ANSI/NFPA 551-2022, Guide for the Evaluation of Fire Risk Assessments (revision of ANSI/NFPA 551-2019) Final Action Date: 3/16/2021

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

Revision
ANSI/NSF 6-2021 (i15r1), Dispensing Freezers (revision of ANSI/NSF 6-2018) Final Action Date: 3/16/2021

Revision
ANSI/NSF 25-2021 (i12r1), Vending Machines for Food and Beverages (revision of ANSI/NSF 25-2017) Final Action Date: 3/16/2021

Revision
ANSI/NSF 455-2-2021 (i10r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2020) Final Action Date: 3/14/2021

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

Revision
ANSI/SCTE 210-2020, Performance Metrics for Energy Efficiency and Functional Density of Cable Data Generation, Storage, Routing, and Transport Equipment (revision of ANSI/SCTE 210-2015) Final Action Date: 3/18/2021

SCTE (Society of Cable Telecommunications Engineers)

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

Revision

ANSI/SCTE 215-1-1-2020b, HEVC Video Constraints for Cable Television - Part 1-1: HDR (revision of ANSI/SCTE 215-1-1-2020) Final Action Date: 3/19/2021

SPRI (Single Ply Roofing Industry)

465 Waverley Oaks Road, Suite 421, Waltham, MA 02452 p: (781) 647-7026 w: www.spri.org

New Standard

ANSI/SPRI/FM BPT-1-2021, Test Standard for Comparative Pull-Through Strengths of Insulation Fastening Systems and Substrate Board Materials Used with Low Slope Roofing Systems (new standard) Final Action Date: 3/16/2021

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 p: (510) 319-4297 w: https://ul.org/

Revision

ANSI/UL 4-2021, Standard for Safety for Armored Cable (revision of ANSI/UL 4-2018) Final Action Date: 3/17/2021

Revision

ANSI/UL 982-2021, Standard for Safety for Motor-Operated Household Food Preparing Machines (revision of ANSI/UL 982-2020) Final Action Date: 3/19/2021

Revision

ANSI/UL 1004-9-2021, Standard for Safety for Form Wound and Medium Voltage Rotating Electrical Machines (revision of ANSI/UL 1004-9-2016) Final Action Date: 3/18/2021

Revision

ANSI/UL 1026-2021a, Standard for Safety for Motor-Operated Household Food Preparing Machines (revision of ANSI/UL 1026-2019) Final Action Date: 3/19/2021

Revision

ANSI/UL 1691-2021, Standard for Safety for Single-Pole Locking-Type Separable Connectors (revision of ANSI/UL 1691-2018) Final Action Date: 3/18/2021

Revision

ANSI/UL 1963-2021, Standard for Safety for Refrigerant Recovery/Recycling Equipment (revision of ANSI/UL 1963-2013) Final Action Date: 3/17/2021

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)
901 N. Glebe Road, Suite 300, Arlington, VA 22203 p: (703) 253-8284 w: www.aami.org
Amanda Benedict; abenedict@aami.org

BSR/AAMI ST15883-1-2009 (R202x), Washer-disinfectors - Part 1: General requirements, terms and definitions and tests (reaffirm a national adoption ANSI/AAMI ST15883-1-2009 (R2014), ANSI/AAMI ST15883-1-2009/A1-2014, ANSI/AAMI ST15883-1-2009/A2-2012)

BSR/AAMI ST15883-2-2013 (ISO 15883-2-2006 MOD)-2013 (R202x), Washer-disinfectors - Part 2: Requirements and tests for washer-disinfectors employing thermal disinfection for surgical instruments anesthetic equipment, bowls, dishes, receivers, utensils, glassware, etc. (reaffirm a national adoption ANSI/AAMI ST15883-2-2013 (ISO 15883-2-2006 MOD)-2013 (R2015))

BSR/AAMI ST15883-3-2012 (ISO 15883-3-2006) MOD-2012 (R202x), Washer-disinfectors - Part 3: Requirements and tests for washer-disinfectors employing thermal disinfection for human waste containers (reaffirm a national adoption ANSI/AAMI ST15883-3-2012 (ISO 15883-3-2006) MOD-2012 (R2015))

BSR/AAMI/ISO 11140-3-2012 (R202x), Sterilization of health care products - Chemical indicators - Part 3: Class 2 indicator systems for use in the Bowie and Dick-type steam penetration test (reaffirm a national adoption ANSI/AAMI/ISO 11140-3-2012 (R2015))

BSR/AAMI/ISO 11140-4-2012 (R202x), Sterilization of health care products - Chemical indicators - Part 4: Class 2 indicators as an alternative to Bowie and Dick test for detection of steam penetration (reaffirm a national adoption ANSI/AAMI/ISO 11140-4-2012 (R2015))

BSR/AAMI/ISO 11140-5-2012 (R202x), Sterilization of health care products - Chemical indicators - Part 5: Class 2 indicators for Bowie and Dick-type air removal tests (reaffirm a national adoption ANSI/AAMI/ISO 11140-5-2012 (R2015))

BSR/AAMI/ISO 17664-1-202x, Processing of health care products - Information to be provided by the medical device manufacturer for the processing of medical devices - Part 1: Critical and semi-critical medical devices (identical national adoption of ISO 17664-1 and revision of ANSI/AAMI/ISO 17664 -2017)

BSR/AAMI/ISO 17664-2-202x, Processing of health care products - Information to be provided by the medical device manufacturer for the processing of medical devices - Part 2: Non-critical medical devices (identical national adoption of ISO 17664-2 and revision of ANSI/AAMI/ISO 17664-2017)

BSR/AAMI/ISO 20857-2010 (R202x), Sterilization of health care products - Dry heat: Requirements for the development, validation and routine control of a sterilization process for medical devices (reaffirm a national adoption ANSI/AAMI/ISO 20857-2010 (R2015))

AAMI (Association for the Advancement of Medical Instrumentation)
901 N. Glebe Road, Suite 300, Arlington, VA 22203 p: (703) 253-8289 w: www.aami.org
Ovidiu Munteanu; OMunteanu@aami.org

BSR/AAMI SW96-202x, Standard for medical device security - Security risk management for device manufacturers (new standard)

ASA (ASC S12) (Acoustical Society of America)
1305 Walt Whitman Road, Suite 300, Melville, NY 11747 p: (516) 576-2341 w: www.acousticalsociety.org
Nancy Blair-DeLeon; standards@acousticalsociety.org

BSR/ASA S12.3-202x/Part 1, Declaration and Verification of Noise Emission Values of Machinery, Equipment, and Products - Part 1: Declaration (new standard)

ASME (American Society of Mechanical Engineers)
Two Park Avenue, New York, NY 10016-5990 p: (212) 591-8489 w: www.asme.org
April Angell-McAteer; ansibox@asme.org

BSR/ASME PTC 30-1991 (R202x), Air Cooled Heat Exchangers (reaffirmation of ANSI/ASME PTC 30-1991 (R2016))

BHMA (Builders Hardware Manufacturers Association)
17 Faulkner Drive, Nianc,` CT 06357 p: (860) 944-4264 w: www.buildershardware.com
Michael Tierney; mtierney@kellencompany.com

BSR/BHMA A156.23-202x, Standard for Electromagnetic Locks (revision of ANSI/BHMA A156.23-2017)

BSR/BHMA A156.29-202x, Standard for Exit Locks, Exit Alarms, Alarms for Exit Devices (revision of ANSI/BHMA A156.29-2017)

ISA (International Society of Automation)
67 Alexander Drive, Research Triangle Park, NC 27709 p: (919) 990-9213 w: www.isa.org
Charles Robinson; crobinson@isa.org

BSR/ISA 18.2-202x, Management of Alarm Systems for the Process Industries (revision of ANSI/ISA 18.2 -2016)

ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org
Deborah Spittle; comments@standards.incits.org

INCITS/ISO/IEC 7812-1:2017 [202x], Identification Cards - Identification of Issuers - Part 1: Numbering System (identical national adoption of ISO/IEC 7812-1:2017 and revision of INCITS/ISO/IEC 7812-1:2015 [2016])

INCITS/ISO/IEC 7816-4:2020 [202x], Identification Cards - Integrated Circuit Cards - Part 4: Organization, Security and Commands for Interchange (identical national adoption of ISO/IEC 7816-4:2020 and revision of INCITS/ISO/IEC 7816-4:2013 [2016])

INCITS/ISO/IEC 10373-6:2020 [202x], Cards and security devices for personal identification - Test methods - Part 6: Contactless proximity objects (identical national adoption of ISO/IEC 10373-6:2020 and revision of INCITS/ISO/IEC 10373-6:2016 [2016])

INCITS/ISO/IEC 11695-3:2017 [202x], Identification Cards - Optical Memory Cards - Holographic Recording Method - Part 3: Optical Properties and Characteristics (identical national adoption of ISO/IEC 11695-3:2017 and revision of INCITS/ISO/IEC 11695-3:2008 [R2016])

INCITS/ISO/IEC 14443-2:2020 [202x], Cards and security devices for personal identification - Contactless proximity objects - Part 2: Radio frequency power and signal interface (identical national adoption of ISO/IEC 14443-2:2020 and revision of INCITS/ISO/IEC 14443-2:2016 [2016])

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

INCITS/ISO/IEC 18013-2:2020 [202x], Personal identification - ISO-compliant driving licence - Part 2: Machine-readable technologies (identical national adoption of ISO/IEC 18013-2:2020 and revision of INCITS/ISO/IEC 18013-2:2008 [R2016])

INCITS/ISO/IEC 19763-3:2020 [202x], Information Technology - Metamodel Framework for Interoperability (MFI) - Part 3: Metamodel for Ontology Registration (identical national adoption of ISO/IEC 19763-3:2020 and revision of INCITS/ISO/IEC 19763-3:2010 [R2016])

INCITS/ISO/IEC 23000-6:2012 [202x], Information technology - Multimedia application format (MPEG-A) - Part 6: Professional archival application format (identical national adoption of ISO/IEC 23000 -6:2012 and revision of INCITS/ISO/IEC 23000-6:2009 [R2016])

INCITS/ISO/IEC 23000-10:2012 [202x], Information technology - Multimedia application format (MPEG-A) - Part 10: Surveillance application format (identical national adoption of ISO/IEC 23000-10:2012 and revision of INCITS/ISO/IEC 23000-10:2009 [R2016])

NSF (NSF International)

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

BSR/NSF 37-202x (i9r1), Air Curtain for Entranceways for Food and Food Service Establishments (revision of ANSI/NSF 37-2017)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-6866 w: www.nsf.org
Rachel Brooker; rbrooker@nsf.org

BSR/NSF 456-202x (i2r1), Vaccine Storage (revision of ANSI/NSF 456-2021)

BSR/NSF 456-202x (i3r1), Vaccine Storage (revision of ANSI/NSF 456-2021)

BSR/NSF 456-202x (i4r1), Vaccine Storage (revision of ANSI/NSF 456-2021)

BSR/NSF 456-202x (i5r1), Vaccine Storage (revision of ANSI/NSF 456-2021)

BSR/NSF 456-202x (i6r1), Vaccine Storage (revision of ANSI/NSF 456-2021)

PRCA (Professional Ropes Course Association)

6260 East Riverside Boulevard #104, Rockford, IL 61114 p: (815) 986-7776 w: www.prcainfo.org
Michael Barker; climb1guide@gmail.com

BSR/PRCA 1.0-3-2014 (R202x), Safety Standards for Challenge Courses, Adventure Parks, Canopy Tours and Zip Lines: Design, Performance, Inspection, Installation, Equipment, Operations, Training and Certifications. (reaffirmation of ANSI/PRCA 1.0-.3-2014)

TCATA (Textile Care Allied Trades Association)

PO Box 690905, Houston, TX 77269-0905 p: 571-276-0346 w: www.tcata.org
Chris Felinski; cfelinski@b11standards.org

BSR Z8.1-202x, Safety Requirements for Commercial Laundry Equipment and Operations (revision of ANSI Z8.1-2016)

TIA (Telecommunications Industry Association)
1320 North Courthouse Road, Suite 200, Arlington, VA 22201 p: (703) 907-7706 w: www.tiaonline.org
Teesha Jenkins; standards-process@tiaonline.org

BSR/TIA 526-28-202x, Fibre-optic Communication Subsystem Test Procedures - Part 4-5: Installed Cabling Plant - Attenuation measurement of MPO Terminated Fibre-optic Cabling Plant Using Test Equipment with MPO Interfaces (identical national adoption of IEC 61280-4-5)

VITA (VMEbus International Trade Association (VITA))
929 W. Portobello Avenue, Mesa, AZ 85210 p: (602) 281-4497 w: www.vita.com
Jing Kwok; jing.kwok@vita.com

BSR/VITA 48.4-202xx, Liquid Flow-Thru VPX Plug-In Module Standard (revision of ANSI/VITA 48.4-2018)

BSR/VITA 67.3-202xx, Coaxial Interconnect on VPX, Spring-Loaded Contact on Backplane (revision of ANSI/VITA 67.3-2020)

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

ANSI Accredited Standards Developer

AAMI (Association for the Advancement of Medical Instrumentation)

AAMI (www.aami.org) is actively seeking participation in the following standards development work and in the interest categories specified:
BSR/AAMI/ISO 5840-1-202x, Cardiovascular implants - Cardiac valve prostheses - Part 1: General requirements (identica national adoption of ISO 5840-1:2020 and revision of ANSI/AAMI/ISO 5840-1-2015).
US adoption of AAMI/ISO 5840-1-202x, Cardiovascular implants - Cardiac valve prostheses - Part 1: General requirements. Applicable to heart valve substitutes intended for implantation and provides general requirements. Subsequent parts of the ISO 5840 series provide specific requirements. Applicable to newly developed and modified heart valve substitutes and to the accessory devices, packaging, and labelling required for their implantation and for determining the appropriate size of the heart valve substitute to be implanted. Seeking industry, user, regulator and general interest participation.

BSR/AAMI/ISO 5840-2-202x, Cardiovascular implants - Cardiac valve prostheses - Part 2: Surgically implanted heart valve substitutes (identical national adoption of ISO 5840-2:2020 and revision of ANSI/AAMI/ISO 5840-2-2015).
US adoption of AAMI/ISO 5840-2-202x, Cardiovascular implants - Cardiac valve prostheses - Part 2: Surgically implanted heart valve substitutes. Applicable to heart valve substitutes intended for implantation in human hearts, generally requiring cardiopulmonary bypass and generally with direct visualization. Applicable to both newly developed and modified surgical heart valve substitutes and to the accessory devices, packaging, and labelling required for their implantation and for determining the appropriate size of the surgical heart valve substitute to be implanted. Seeking industry, user, regulator and general interest participation.

BSR/AAMI/ISO 5840-3-202x, Cardiovascular implants - Cardiac valve prostheses - Part 3: Heart valve substitutes implanted by transcatheter techniques (national adoption of ISO 5840-3:2020 with modifications and revision of ANSI/AAMI/ISO 5840-3-2012).
US adoption of AAMI/ISO 5840-3-202x, Cardiovascular implants - Cardiac valve prostheses - Part 3: Heart valve substitutes implanted by transcatheter techniques. Applicable to all devices intended for implantation as a transcatheter heart valve substitute. Applicable to transcatheter heart valve substitutes and to the accessory devices, packaging and labelling required for their implantation and for determining the appropriate size of heart valve substitute to be implanted. Seeking industry, user, regulator and general interest participation.

BSR/AAMI/ISO 25539-2-202x, Cardiovascular implants - Endovascular devices - Part 2: Vascular stents (identical national adoption of ISO 25539-2:2020, Cardiovascular implants - Endovascular devices - Part 2: Vascular stents, and revision of ANSI/AAMI/ISO 25539-2-2012).
US adoption of AAMI/ISO 25539-2-202x, Cardiovascular implants - Endovascular devices - Part 2: Vascular stents. Specifies requirements for the evaluation of stent systems (vascular stents and delivery systems) and requirements with respect to nomenclature, design attributes and information supplied by the manufacturer, based upon current medical knowledge. Guidance for the development of in vitro test methods is included. Seeking industry, user, regulator and general interest participation.

Call for Members (ANS Consensus Bodies)

ANSI Accredited Standards Developer

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

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 ANS 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 and 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.

Membership in the SCTE Standards Program is open to all directly and 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.

Call for Comment of ANS Limited Substantive Changes

ANSI Accredited Standards Developers

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

30-Day Comment Deadline: April 25, 2021 for ANSI/CSA B45.8/IAPMO Z403-2018

This Call for Comment of Limited Substantive Changes to the Approved American National Standard ANSI/CSA B45.8/IAPMO Z403-2018 is available for review & comment until April 25, 2021.
ANSI/CSA B45.8/IAPMO Z403-2018, Terrazzo, concrete, and natural stone plumbing fixtures
(revision of ANSI/CSA B45.8/IAPMO Z403-2013)
SCOPE: Updated Section 2, Referenced Publications to the following referenced standards editions: ICC/A117.1-2009 changed to 2017
UL 969 (1995) changed to (2017) and add the words “composite stone” to Section 4.1.3, Different Materials.
Send comments (with optional copy to psa@ansi.org) to: standards@iapmostandards.org
Obtain an electronic copy from: standards@iapmostandards.org
Single copy price: Free
Click here to view these changes in full
Please direct inquiries to:
Kyle Thompson
Standards Development Engineer | IAPMO
International Association of Plumbing & Mechanical Officials (IAPMO (Z))
5001 East Philadelphia Street
Ontario, CA 91761
p: (909) 230-5534
e: standards@iapmostandards.org

Provisional American National Standard (ANS)

Approval of Provisional Amendment (PA)

PHTA - Pool and Hot Tub Alliance

ANSI/APSP/ICC-16 2017 (PA) approval effective March 19, 2021

Notice of the Approval of a Provisional Amendment by the Pool & Hot Tub Alliance (PHTA) in accordance with Annex B of ANSI Essential Requirements

In accordance with Annex B of ANSI Essential Requirements: Due process requirements for American National Standards, the Pool & Hot Tub Alliance (PHTA) Standards Consensus Committee (SCC), consensus voting body, has approved the Provisional Amendment (PA) to ANSI/APSP/ICC-16 2017 (PA) American National Standard for Suction Outlet Fitting Assemblies (SOFA) for Use in Pools, Spas and Hot Tubs with an approval and effective date of March 19, 2021.

The PHTA Standards Consensus Committee (SCC) voted to revise language pertaining to suction outlet fitting assemblies testing for packaged aboveground/onground storable pool sets in ANSI/APSP/ICC-16 2017. A rule issued by the U.S. Consumer Product Safety Commission (CPSC) on August 18, 2020, states that drain covers manufactured on or after May 24, 2021, must comply with ANSI/APSP/ICC-16 2017 to provide minimum guidelines for testing, productmarking requirements, installation and maintenance instructions. The unique circumstances involving the distribution of storable pool integral SOFAs were not addressed in the ANSI/APSP/ICC-16 2017 standard. The PA language was also approved by the PHTA-4 Standard Writing Committee (SWC) for Aboveground/Onground Residential Swimming Pools, PHTA-16 SWC for Suction Outlet Fitting Assemblies (SOFA) for Use in Pools, Spas and Hot Tubs and PHTA Technical Committee. PHTA's Provisional Amendment was processed in accordance with Annex B Procedures for the Development of a Provisional American National Standard (ANS) or a Provisional Amendment to an ANS. PHTA has complied with the requirements in Annex B of ANSI Essential Requirements related to a Provisional Amendment and PHTA's Procedures for American National Standards (ANS).

Copies of the ANSI/APSP/ICC-16 2017 (PA) American National Standard for Suction Outlet Fitting Assemblies (SOFA) for Use in Pools, Spas and Hot Tubs, which includes the Provisional Amendment approved on March 19, 2021, may be obtained from the Pool & Hot Tub Alliance, 2111 Eisenhower Avenue, Suite 500, Alexandria, VA 22314. Interested parties may contact 703-838-0083 or email standards@phta.org

American National Standards (ANS) Announcements

Transfer of ANS Maintenance by an ANSI Accredited Standards Developers

BIFMA International & NSF International

ANSI/BIFMA e3-2019 (i23r2) Effective March 24, 2021

BIFMA International & NSF International announce the official transfer of ANSI/BIFMA e3-2019 (i23r2) as an American National Standard (ANS) from NSF to BIFMA. The transfer to (BIFMA) is effective March 24, 2021.

Both ANSI-Accredited Standards Developers confirm that all ANS-related maintenance records of the BIFMA e3 Standard will also be transferred to BIFMA - Business and Institutional Furniture Manufacturers Association, the ANSI-Accredited Standards Developer of record.

Please direct all inquiries to:
Steven Kooy
Technical Director
BIFMA - Business and Institutional Furniture Manufacturers Association
678 Front Avenue NW
Grand Rapids, MI 49504
p: (616) 443-5053
e: skooy@bifma.com

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

ASNT - American Society for Nondestructive Testing

Effective March 19, 2021

The reaccreditation of the American Society for Nondestructive Testing (ASNT), an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under its recently revised operating procedures for documenting consensus on ASNT-sponsored American National Standards, effective March 19, 2021. For additional information, please contact: Mr. Brian Frye, NDT Technical Specialist/Quality Manager, The American Society for Nondestructive Testing, Inc., International Service Center, 1711 Arlingate Lane, Columbus, OH 43228; phone: 614.274.6003 ext. 218; email: bfrye@asnt.org

Public Review of Revised ASD Operating Procedures

IACET - International Association for Continuing Education and Training

Comment Deadline: April 26, 2021

The IACET - International Association for Continuing Education and Training, an ANSI Member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on IACET-sponsored American National Standards, under which it was last reaccredited in 2019. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Sherard Jones, International Association for Continuing Education and Training (IACET) 2201 Cooperative Way, Suite 600, Herndon, VA 20171 p: (708) 217-2040 e: sjones@stratfuturist.com

You may view/download a copy of the revisions during the public review period at the following URL: https://share.ansi.org/Shared%20Documents/Forms/AllItems.aspx?RootFolder=%2FShared%20Documents%2FStandards%20Activities%2FPublic%20Review%20and%20Comment%2FANS%20Accreditation%20Actions%2FMarch%2026%20%2D%20April%2026%2C%202021%20Public%20Review%20Period&FolderCTID=0x01200019AF95C796227A438566C464851845DB&View=%7B5A2BA1D4%2D1170%2D422B%2DB0E3%2D55CCD1AD9232%7D

Please submit any public comments on the revised procedures to IACET by April 26, 2021, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

Accreditation Announcements (Standards Developers)

Public Review of Revised ASD Operating Procedures

UL - Underwriters Laboratories

Comment Deadline: April 19, 2021

Underwriters Laboratories (UL), an ANSI Member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on UL-sponsored American National Standards, under which it was last reaccredited in 2017. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Ms. Patricia Sena, Standards Engineer/STP Project Manager, Underwrites Laboratories, 12 Laboratory Drive, Research Triangle Park, NC 27709-3995; phone: 919.549.1636; email: patricia.a.sena@ul.org. You may view/download a copy of the revisions during the public review period at the following URL:
https://share.ansi.org/Shared%20Documents/Forms/AllItems.aspx?RootFolder=%2FShared%20Documents%2FStandards%20Activities%2FPublic%20Review%20and%20Comment%2FANS%20Accreditation%20Actions%2FMarch%2026%20%2D%20April%2026%2C%202021%20Public%20Review%20Period&FolderCTID=0x01200019AF95C796227A438566C464851845DB&View=%7B5A2BA1D4%2D1170%2D422B%2DB0E3%2D55CCD1AD9232%7D

Please submit any public comments on the revised procedures to UL by April 19, 2021, with a copy to the ExSC Recording Secretary in ANSI's New York Office (thompso@ANSI.org)

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

Natural Gas Transportation Technical Committee (CSA Group)

Thursday, April 22, 2021

CSA Group will hold the Natural Gas Transportation Technical Committee meeting by WebEx on Thursday, April 22, 2021 from 1 pm to 3 pm Eastern. For more information on the meeting and the agenda, contact Julie Cairns atjulie.cairns@csagroup.org.

ANSI Accredited Standards Developer

NW&RA (ASC Z245) - National Waste & Recycling AssociationEquipment Technology & Operations for Wastes & Recyclable Materials

Video Conference Times as follows

The NW&RA (ASC Z245) Committee and Sub Committees of National Waste & Recycling Association Equipment Technology & Operations for Wastes & Recyclable Materials will be meeting the following days by video conference.

UPCOMING ANS Z245 MEETINGS
April 20: Z245.3 Waste Container Safety and Z245.6 Waste Container Compatibility
April 21: Z245.2 Stationary Compactors and Z245.5 Baling Equipment
April 22: Z245.4 Facility Safety
April 27: Full Committee Z245
May 4: Z245.1 Mobile Equipment
May 6: Z245.8 Landfill Operations

For further information please contact Kirk Sander, ksander@wasterecycling.org

American National Standards (ANS) Process

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 linkis www.ansi.org/asd and here are some direct links as well as highlights of information that is available:

Where to find Procedures, Guidance, Interpretations and More...

Please visit ANSI's website (www.ansi.org)

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

If you have a question about the ANS process and cannot find the answer, please email us at: 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

American National Standards 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 Standards Developer, please visit ANSI Online at www.ansi.org/asd, select “American National Standards Maintained Under Continuous Maintenance.” Questions? psa@ansi.org.

ANSI-Accredited Standards Developers Contacts

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

AAMI
Association for the Advancement of Medical Instrumentation
901 N. Glebe Road
Suite 300
Arlington, VA 22203
e: abenedict@aami.org
p: (703) 253-8284
www.aami.org

ADA (Organization)
American Dental Association
211 East Chicago Avenue
Chicago, IL 60611-2678
e: bralowerp@ada.org
p: (312) 587-4129
www.ada.org

ASA (ASC S12)
Acoustical Society of America
1305 Walt Whitman Road
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Melville, NY 11747
e: standards@acousticalsociety.org
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www.acousticalsociety.org

ASABE
American Society of Agricultural and Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
e: vangilder@asabe.org
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https://www.asabe.org/

ASME
American Society of Mechanical Engineers
Two Park Avenue
6th Floor
New York, NY 10016-5990
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www.asme.org

ASME
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New York, NY 10016-5990
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ASME
American Society of Mechanical Engineers
Two Park Avenue
New York, NY 10016-5990
e: ansibox@asme.org
p: (212) 591-8489
www.asme.org

ASSP (Safety)
American Society of Safety Professionals
520 N. Northwest Highway
Park Ridge, IL 60068
e: LBauerschmidt@assp.org
p: (847) 768-3475
www.assp.org

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

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

BHMA
Builders Hardware Manufacturers Association
17 Faulkner Drive
Niantic, CT 06357
e: mtierney@kellencompany.com
p: (860) 944-4264
www.buildershardware.com

CAAS
Commission on Accreditation of Ambulance Services
1926 Waukegan Road
Suite 300
Glenview, IL 60025
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CSA
CSA America Standards Inc.
8501 E. Pleasant Valley Road
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ECIA
Electronic Components Industry Association
13873 Park Center Road
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Herndon, VA 20171
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p: (571) 323-0294
www.ecianow.org

GBI
Green Building Initiative
7805 S.W. 40th #80010
Portland, OR 97280
e: marx@thegbi.org
p: (503) 274-0448
www.thegbi.org

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

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

IEEE
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445 Hoes Lane
Piscataway, NJ 08854-4141
e: l.weisser@ieee.org
p: (732) 981-2864
www.ieee.org

ISA (Organization)
International Society of Automation
67 Alexander Drive
Research Triangle Park, NC 27709
e: crobinson@isa.org
p: (919) 990-9213
www.isa.org

ISEA
International Safety Equipment Association
1901 North Moore Street
Suite 808
Arlington, VA 22209
e: cfargo@safetyequipment.org
p: (703) 525-1695
www.safetyequipment.org

ITI (INCITS)
InterNational Committee for Information Technology Standards
700 K Street NW
Suite 600
Washington, DC 20001
e: comments@standards.incits.org
p: (202) 737-8888
www.incits.org

ITSDF
Industrial Truck Standards Development Foundation, Inc.
1750 K Street NW
Suite 460
Washington, DC 20006
e: chris.merther@itsdf.org
p: (202) 296-9880
www.indtrk.org

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

NSAA (ASC B77)
National Ski Areas Association
133 S Van Gordon Street
Suite 300
Lakewood, CO 80228
e: mlane@nsaa.org
p: (720) 963-4210

NSF
NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
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p: (734) 827-6866
www.nsf.org

PRCA
Professional Ropes Course Association
6260 East Riverside Boulevard #104
Rockford, IL 61114
e: climb1guide@gmail.com
p: (815) 986-7776
www.prcainfo.org

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

SPRI
Single Ply Roofing Industry
465 Waverley Oaks Road
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Waltham, MA 02452
e: info@spri.org
p: (781) 647-7026
www.spri.org

TAPPI
Technical Association of the Pulp and Paper Industry
15 Technology Parkway South
Suite 115
Peachtree Corners, GA 30092
e: standards@tappi.org
p: (770) 209-7278
www.tappi.org

TCATA
Textile Care Allied Trades Association
PO Box 690905
Houston, TX 77269-0905
e: cfelinski@b11standards.org
p: 571-276-0346
www.tcata.org

TIA
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VC (ASC Z80)
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VITA
VMEbus International Trade Association (VITA)
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p: (602) 281-4497
www.vita.com

ISO Draft International Standards

This section lists proposed standards that the International Organization for Standardization (ISO) is 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 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. The final date for offering comments is listed after each draft.

ORDERING INSTRUCTIONS

ISO Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an ISO 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.

CONCRETE, REINFORCED CONCRETE AND PRE-STRESSED CONCRETE (TC 71)

ISO/DIS 23945-1, Test methods for sprayed concrete - Part 1: Flash setting accelerating admixtures - Setting time - 6/12/2021, $46.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

ISO/DIS 1, Geometrical product specifications (GPS) - Standard reference temperature for the specification of geometrical and dimensional properties - 6/6/2021, $40.00

EARTH-MOVING MACHINERY (TC 127)

ISO/DIS 6165, Earth-moving machinery - Basic types - Identification and terms and definitions - 6/10/2021, $62.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO/DIS 14520-17, Gaseous fire-extinguishing systems - Physical properties and system design - Part 17: Halocarbon Blend 55 - 6/4/2021, $53.00

FLOOR COVERINGS (TC 219)

ISO/DIS 4760, Laminate Flooring - Topical Moisture Resistance - Assembled Joint - 5/31/2021, $82.00

GAS CYLINDERS (TC 58)

ISO/DIS 11114-6, Gas cylinders - Compatibility of cylinder and valve materials with gas contents - Part 6: Oxygen pressure surge testing - 6/4/2021, $58.00

GRAPHICAL SYMBOLS (TC 145)

ISO 7010/DAmd124, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 124: Safety sign E032: Shipboard assembly station - 11/7/2024, $29.00

ISO 7010/DAmd125, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 125: Safety sign E033: Door slides right to open - 11/7/2024, $29.00

ISO 7010/DAmd126, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 126: Safety sign E034: Door slides left to open - 11/7/2024, $29.00

HUMAN RESOURCE MANAGEMENT (TC 260)

ISO/DIS 23326, Human Resource Management - Employee engagement - Guidelines - 6/5/2021, $58.00

HYDROMETRIC DETERMINATIONS (TC 113)

ISO/DIS 4373, Hydrometry - Water level measuring devices - 6/6/2021, $88.00

INFORMATION AND DOCUMENTATION (TC 46)

ISO/DIS 24143, Information and documentation - Information Governance - Concept and principles - 6/4/2021, $53.00

MACHINE TOOLS (TC 39)

ISO/DIS 10791-10, Test conditions for machining centres - Part 10: Evaluation of thermal distortions - 6/3/2021, $112.00

METALLIC AND OTHER INORGANIC COATINGS (TC 107)

ISO/DIS 4528, Vitreous and porcelain enamel finishes - Selection of test methods for vitreous and porcelain enamelled areas of articles - 11/8/2017, $53.00

MICROBEAM ANALYSIS (TC 202)

ISO/DIS 23749, Microbeam analysis - Electron backscatter diffraction - Quantitative determination of austenite in stee - 6/10/2021, FREE

NICKEL AND NICKEL ALLOYS (TC 155)

ISO/DIS 11400, Nickel, ferronickels and nickel alloys - Determination of phosphorus content - Phosphovanadomolybdate spectrometric method - 6/5/2021, $46.00

PLAIN BEARINGS (TC 123)

ISO/DIS 4821, Plain bearings - Dynamic adhesion test method for DLC coated parts under lubricated condition - 6/4/2021, $62.00

ISO/DIS 22507, Plain bearings - Fluid film bearing materials for vehicular turbocharger - 6/6/2021, $46.00

PLASTICS (TC 61)

ISO/DIS 2078, Textile glass - Yarns - Designation - 6/4/2021, $46.00

ISO/DIS 24360, Composites and reinforcements fibres - Carbon fibre reinforced plastics (CFRPs) and metal assemblies - Determination of the cross tension strength - 6/7/2021, $58.00

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

ISO/DIS 3501, Plastics piping systems - Mechanical joints between fittings and pressure pipes - Test method for resistance to pull-out under constant longitudinal force - 6/10/2021, $40.00

REFRIGERATION (TC 86)

ISO/DIS 5149-4, Refrigerating systems and heat pumps - Safety and environmental requirements - Part 4: Operation, maintenance, repair and recovery - 6/5/2021, $93.00

RISK MANAGEMENT (TC 262)

ISO/DIS 31073, Risk management - Vocabulary - 6/3/2021, $62.00

ROAD VEHICLES (TC 22)

ISO/DIS 6460-1, Motorcycles - Measurement method for gaseous exhaust emissions and fuel consumption - Part 1: General test requirements - 6/3/2021, $125.00

ISO/DIS 14229-5, Road vehicles - Unified diagnostic services (UDS) - Part 5: Unified diagnostic services on Internet Protocol implementation (UDSonIP) - 6/5/2021, $88.00

ISO/DIS 15037-3, Road vehicles - Vehicle dynamics test methods - Part 3: General conditions for passenger cars ride comfort tests - 6/10/2021, FREE

SAFETY OF AMUSEMENT RIDES AND AMUSEMENT DEVICES (TC 254)

ISO/DIS 17842-3, Safety of amusement rides and amusement devices - Part 3: Requirements for inspection during design, manufacture, operation and use - 5/31/2021, $40.00

SCREW THREADS (TC 1)

ISO 965-1/DAmd1.2, ISO general purpose metric screw threads - Tolerances - Part 1: Principles and basic data - Amendment 1.2 - 5/13/2021, $29.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 20602/DAmd1, Ships and marine technology - Check valves for use in low temperature applications - Design and testing requirements - Amendment 1 - 6/10/2021, $29.00

ISO/DIS 23765, Ships and marine technology - Marine environment protection - Guidelines for a method of collecting ships fuel oil consumption data - 5/31/2021, $67.00

ISO/DIS 24482, Large yachts - Navigational bridge visibility - 6/3/2021, $62.00

THERMAL INSULATION (TC 163)

ISO/DIS 12623, Thermal insulating products for building equipment and industrial installations - Determination of short-term water absorption by partial immersion of preformed pipe insulation - 6/6/2021, $58.00

ISO/DIS 12624, Thermal insulating products for building equipment and industrial installations - Determination of trace quantities of water soluble chloride, fluoride, silicate, sodium ions and pH - 6/6/2021, $67.00

ISO/DIS 12628, Thermal insulating products for building equipment and industrial installations - Determination of dimensions, squareness and linearity of preformed pipe insulation - 6/6/2021, $58.00

ISO/DIS 12629, Thermal insulating products for building equipment and industrial installations - Determination of water vapour transmission properties of preformed pipe insulation - 6/6/2021, $67.00

ISO/DIS 18096, Thermal insulating products for building equipment and industrial installations - Determination of maximum service temperature for preformed pipe insulation - 6/5/2021, $67.00

ISO/DIS 18097, Thermal insulating products for building equipment and industrial installations - Determination of maximum service temperature - 6/5/2021, $71.00

ISO/DIS 18098, Thermal insulating products for building equipment and industrial installations - Determination of the apparent density of preformed pipe insulation - 6/5/2021, $46.00

ISO/DIS 18099, Thermal insulating products for building equipment and industrial installations - Determination of the coefficient of thermal expansion - 6/5/2021, $46.00

ISO/DIS 23766, Thermal insulating products for industrial installations - Determination of the coefficient of linear thermal expansion at sub-ambient temperatures - 6/5/2021, $53.00

ISO/DIS 29465, Thermal insulating products for building applications - Determination of length and width - 6/5/2021, $33.00

ISO/DIS 29466, Thermal insulating products for building applications - Determination of thickness - 6/5/2021, $53.00

ISO/DIS 29468, Thermal insulating products for building applications - Determination of flatness - 6/5/2021, $33.00

ISO/DIS 29469, Thermal insulating products for building applications - Determination of compression behaviour - 6/5/2021, $58.00

ISO/DIS 29766, Thermal insulating products for building applications - Determination of tensile strength parallel to faces - 6/6/2021, $40.00

ISO/DIS 29768, Thermal insulating products for building applications - Determination of linear dimensions of test specimens - 6/6/2021, $40.00

ISO/DIS 29770, Thermal insulating products for building applications - Determination of thickness for floating-floor insulating products - 6/6/2021, $40.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 14982-1, Agricultural and forestry machinery - Electromagnetic compatibility - Part 1: General EMC requirements - 5/31/2021, $98.00

ISO/DIS 14982-2, Agricultural and forestry machinery - Electromagnetic compatibility - Part 2: Additional EMC requirements for functional safety - 5/31/2021, $58.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 29110-2-1/DAmd1, Ships and marine technology - Check valves for use in low temperature applications - Design and testing requirements - Amendment 1: Corrections to minor defects discovered during translation - 6/6/2021, $29.00

ISO/IEC DIS 19540-1, Information technology - Object Management Group Unified Architecture Framework (OMG UAF) - Part 1: Domain Metamodel (DMM) - 6/11/2021, $203.00

ISO/IEC DIS 19540-2, Information technology - Object Management Group Unified Architecture Framework (OMG UAF) - Part 2: Unified Architecture Framework Profile (UAFP) - 6/11/2021, $215.00

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

AIR QUALITY (TC 146)

ISO 23431:2021, Measurement of road tunnel air quality, $175.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO 16781:2021, Space systems - Simulation requirements for control system, $149.00

EARTH-MOVING MACHINERY (TC 127)

ISO 12511/Amd1:2021, Earth-moving machinery - Hour meters - Amendment 1, $20.00

FIREWORKS (TC 264)

ISO 22863-4:2021, Fireworks - Test methods for determination of specific chemical substances - Part 4: Analysis of lead and lead compounds by X-ray fluorescence spectrometry (XRF), $48.00

ISO 22863-5:2021, Fireworks - Test methods for determination of specific chemical substances - Part 5: Analysis of lead and lead compounds by inductively coupled plasma spectrometry (ICP), $48.00

FLUID POWER SYSTEMS (TC 131)

ISO 19879:2021, Metallic tube connections for fluid power and general use - Test methods for hydraulic fluid power connections, $149.00

IMPLANTS FOR SURGERY (TC 150)

ISO 16061:2021, Instruments for use in association with non-active surgical implants - General requirements, $111.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO 10303-1:2021, Industrial automation systems and integration - Product data representation and exchange - Part 1: Overview and fundamental principles, $149.00

OTHER

IWA 33-3:2021, Technical guidelines for the development of small hydropower plants - Part 3: Design principles and requirements, $225.00

PAINTS AND VARNISHES (TC 35)

ISO 23322:2021, Paints and varnishes - Determination of solvents in coating materials containing organic solvents only - Gas-chromatographic method, $111.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO 22608:2021, Protective clothing - Protection against liquid chemicals - Measurement of repellency, retention, and penetration of liquid pesticide formulations through protective clothing materials, $111.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 2719/Amd1:2021, Determination of flash point - Pensky-Martens closed cup method - Amendment 1: Thermometers correction, $20.00

PIGMENTS, DYESTUFFS AND EXTENDERS (TC 256)

ISO 3262-19:2021, Extenders - Specifications and methods of test - Part 19: Precipitated silica, $73.00

ISO 3262-20:2021, Extenders - Specifications and methods of test - Part 20: Fumed silica, $111.00

PROJECT, PROGRAMME AND PORTFOLIO MANAGEMENT (TC 258)

ISO 21500:2021, Project, programme and portfolio management - Context and concepts, $73.00

RAILWAY APPLICATIONS (TC 269)

ISO 22074-2:2021, Railway infrastructure - Rail fastening systems - Part 2: Test method for longitudinal rail restraint, $73.00

ISO 22074-3:2021, Railway infrastructure - Rail fastening systems - Part 3: Proof load test method for pull-out resistance, $48.00

ISO 22074-6:2021, Railway infrastructure - Rail fastening systems - Part 6: Test method for resistance to severe environmental conditions, $48.00

REFRIGERATION (TC 86)

ISO 5149-3/Amd1:2021, Refrigerating systems and heat pumps - Safety and environmental requirements - Part 3: Installation site - Amendment 1: Update of the requirements for machinery rooms and emergency mechanical ventilation, $20.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 1432:2021, Rubber, vulcanized or thermoplastic - Determination of low-temperature stiffening (Gehman test), $111.00

SIEVES, SIEVING AND OTHER SIZING METHODS (TC 24)

ISO 13319-1:2021, Determination of particle size distribution - Electrical sensing zone method - Part 1: Aperture/orifice tube method, $175.00

SOLID RECOVERED FUELS (TC 300)

ISO 21645:2021, Solid recovered fuels - Methods for sampling, $225.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO 14907-2:2021, Electronic fee collection - Test procedures for user and fixed equipment - Part 2: Conformance test for the on-board unit application interface, $225.00

TYRES, RIMS AND VALVES (TC 31)

ISO 18808:2021, Agricultural tyres for construction machines, $149.00

WATER RE-USE (TC 282)

ISO 23043:2021, Evaluation methods for industrial wastewater treatment reuse processes, $175.00

ISO Technical Reports

SURFACE CHEMICAL ANALYSIS (TC 201)

ISO/TR 15969:2021, Surface chemical analysis - Depth profiling - Measurement of sputtered depth, $111.00

ISO Technical Specifications

NANOTECHNOLOGIES (TC 229)

ISO/TS 21346:2021, Nanotechnologies - Characterization of individualized cellulose nanofibril samples, $200.00

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

ISO/TS 22456:2021, Sterilization of healthcare products - Microbiological methods - Guidance on conducting bioburden determinations and tests of sterility for biologics and tissue-based products, $111.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 20924:2021, Information technology - Internet of Things (IoT) - Vocabulary, $73.00

ISO/IEC 23264-1:2021, Information security - Redaction of authentic data - Part 1: General, $73.00

ISO/IEC 29110-4-2:2021, Systems and software engineering - Lifecycle profiles for Very Small Entities (VSEs) - Part 4-2: Software engineering: Profile specifications: Organizational management profile group, $111.00

ISO/IEC TS 25025:2021, Information technology - Systems and software Quality Requirements and Evaluation (SQuaRE) - Measurement of IT service quality, $149.00

ISO/IEC TS 11801-9903:2021, Information technology - Generic cabling systems for customer premises - Part 9903: Matrix modelling of channels and links, $200.00

IEC Standards

FIBRE OPTICS (TC 86)

IEC 61291-2 Ed. 4.0 b:2016, Optical amplifiers - Part 2: Single channel applications - Performance specification template, $133.00

OTHER

IEC/SRD 63235 Ed. 1.0 en:2021, Smart city system - Methodology for concepts building, $133.00

SAFETY OF MACHINERY - ELECTROTECHNICAL ASPECTS (TC 44)

IEC 62061 Ed. 2.0 b:2021, Safety of machinery - Functional safety of safety-related control systems, $430.00

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

IEC 61010-2-130 Ed. 1.0 b:2021, Safety requirements for electrical equipment for measurement, control, and laboratory use - Particular requirements for equipment intended to be used in educational establishments by children, $183.00

TERMINOLOGY (TC 1)

IEC 60050-102 Amd.3 Ed. 1.0 b:2021, Amendment 3 - International Electrotechnical Vocabulary (IEV) - Part 102: Mathematics - General concepts and linear algebra, $13.00

IEC 60050-131 Amd.4 Ed. 2.0 b:2021, Amendment 4 - International Electrotechnical Vocabulary (IEV) - Part 131: Circuit theory, $13.00

IEC 60050-151 Amd.5 Ed. 2.0 b:2021, Amendment 5 - International Electrotechnical Vocabulary (IEV) - Part 151: Electrical and magnetic devices, $13.00

IEC 60050-161 Amd.10 Ed. 1.0 b:2021, Amendment 10 - International Electrotechnical Vocabulary (IEV) - Part 161: Electromagnetic compatibility, $13.00

IEC 60050-411 Amd.2 Ed. 2.0 b:2021, Amendment 2 - International Electrotechnical Vocabulary (IEV) - Part 411: Rotating machinery, $13.00

IEC Technical Reports

NANOTECHNOLOGY STANDARDIZATION FOR ELECTRICAL AND ELECTRONIC PRODUCTS AND SYSTEMS (TC 113)

IEC/TR 63258 Ed. 1.0 en:2021, Nanotechnologies - A guideline for ellipsometry application to evaluate the thickness of nanoscale films, $183.00

SURFACE MOUNTING TECHNOLOGY (TC 91)

IEC/TR 61191-8 Ed. 1.0 en:2021, Printed board assemblies - Part 8: Voiding in solder joints of printed board assemblies for use in automotive electronic control units - Best practices, $259.00

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Chain of Custody

Comment Deadline: March 26, 2021

NEN, the ISO member body for the Netherlands and secretariat of ISO Project Committee 308 (ISO/PC 308), has submitted to ISO a proposal for a new field of ISO technical activity on Chain of custody, with the following scope statement:
Standardization in the field of chain of custody (CoC) for products and associated processes with specified characteristics, with the aim of ensuring that associated claims are reliable.

Please note that NEN proposed a new work item proposal on this subject in 2016 which was approved, and the standard ISO 22095:2020 (Chain of custody — General terminology and models) was developed under ISO/PC 308. This proposal is to convert ISO/PC 308 into a technical committee with an extended work program.
Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (sot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, March 26, 2021.

Organizations interested in participating in the U.S. TAG or obtaining additional information should contact the U.S. TAG Administrator, Grace Roh,(Grace.Roh@ul.com) of Underwriters Laboratories.

ISO Proposal for a New Field of ISO Technical Activity

Roofing and Waterproofing Building Materials

Comment Deadline: April 23, 2021

GOST R, the ISO member body for Russia, has submitted to ISO a proposal for a new field of ISO technical activity on Roofing and waterproofing building materials, with the following scope statement:
Standardization of materials and components used for roofs design and construction processes, as well as materials used for waterproofing in construction.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (sot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on April 23, 2021.

New Secretariats

ISO/TC 260 – Human Resource Management

Comment Deadline: March 26, 2021

The HR Certification Institute (HRCI) has requested to be delegated the responsibilities of the administration of the ISO/TC 260 secretariat. HCRI which will retain ANSI staff to perform direct administration services related to the ISO/TC 260 Secretariat. The secretariat was previously held by ANSI staff and the U.S. TAG to ISO/TC 260 has approved the secretariat transfer to HCRI.
ISO/TC 260 operates under the following scope:
Standardization in the field of human resource management.

Organizations wishing to comment on the delegation of the responsibilities should contact ANSI's ISO Team (isot@ansi.org).

Proposed Revisions to the Operating Procedures of the (ExSC) and (BSR)

Public Comments are due to psa@ansi.org by April 26, 2021

March 26, 2021 ANSI Standards Action **ExSC_037_2021**

Proposed Revisions to the *Operating Procedures of the ANSI Executive Standards Council* (ExSC) and *Operating Procedures of the ANSI Board of Standards Review* (BSR)

The proposed revisions below (shown in strikethrough-and-underline text) are intended to clarify existing text or processes addressed in the 2021 editions of the *Operating Procedures of the ANSI Executive Standards Council* (ExSC) or *ANSI Board of Standards Review* (BSR), as noted. The revisions are consistent with the 2020 edition of the ANSI Bylaws as well as similar relevant ANSI procedures. These revisions also address public comments received in connection with the prior editions of these documents. Editorial comments are also shown.

Public review comments are invited on the revisions shown in strikethrough-and-underline text only. When submitting public comments, please specify the line number(s) to which your comments apply.

Public comments received in connection with the proposed revisions below will be made available to the public, with attribution, in the ANSI Online public library within a reasonable time of the close of the public comment deadline. The ANSI Executive Standards Council (ExSC) will consider the comments received and provide a written response to commenters.

Public Comments are due to psa@ansi.org by **April 26, 2021**

Operating Procedures of the ANSI Executive Standards Council (2021)

2 ExSC Membership and Membership Rights

The requirements for membership and the officers of the ExSC are provided in the *ANSI By-Laws*. The members of the ExSC shall, in that capacity, act in good faith and as fiduciaries to ANSI and shall act in the best interest of ANSI when making decisions on behalf of ANSI. However, if ExSC voting members believe their duties to their employer or another third party conflict in any way with those of ANSI, they may simply recuse themselves from decision making on behalf of ANSI as detailed in Section 14 below. The members of the ExSC shall also abide by ANSI's Conflict of Interest and Related Party Transaction Policy, as well as, the ANSI Code of Conduct and these Operating Procedures.

Except as otherwise delegated by the Board, members of the ExSC shall be nominated by ExSC voting members and appointed by the Chair of the Board with the approval of the Board. In making these appointments, the Chair of the Board shall endeavor to ensure representation of all membership categories concerned with the activities of the ExSC. The ExSC shall be composed of representatives of organizational members, company members, governmental members, members of the Consumer Interest Forum, and members-at-large. The ExSC shall strive for a membership of between ten and twenty-one members. An attempt shall be made to have at least two members in each category, with a maximum of six members, in any given ~~each~~ category,

provided the total number of ExSC voting members does not exceed 21. The ExSC shall strive to a balance of representation among categories to the extent possible. ~~In no case shall the voting membership of the ExSC be greater than 21.~~ Membership in ANSI by the entity with which the member is affiliated shall be a prerequisite for participation in the ExSC unless the Board specifically permits otherwise. Membership in the ExSC, however, shall be by the individual, not the entity with which such person is affiliated.

Members should, to the extent possible, represent the broadest interests of all standards developers and/or users. Next in order of priority, members should represent their assigned interest category (i.e., Organization Member, Company Member, Government Member, Consumer Interest Forum, member-at-large) rather than their employer's specific interests. A member assigned to the member-at-large category may be drawn from another category. No organization shall have a vested right to membership, including an unexpired vacancy. Except as may be extended by the Board, each new member appointment shall be for a term of three full years with no person serving more than three full consecutive terms.

5 Nominations and Elections

Recommendations for ExSC membership shall be open to any reasonable source. Recommendations may be requested from appropriate ANSI committees, forums and advisory groups. All recommendations shall be submitted to the Secretary and referred to the ExSC Nominating Committee for consideration.

The Chair of the ExSC shall appoint, before February 1 of each year, a Nominating Committee of not less than three (3) members from among the members of the ExSC ~~Council~~ to serve until December 31. By majority vote, on or around ~~before~~ September 15 of each year, this committee shall nominate the following:

a) Candidates to serve as Chair and Vice-Chair of the ExSC ~~Council~~ for the following year if the term of the current Chair or Vice Chair is due to expire;
b) Members of its Executive Committee;
c) Members of the ExSC (to fill vacancies and expired terms).

By October 1 of each year, the Secretary of the ExSC shall forward to the members of the ExSC ~~Council~~ the report of the Nominating Committee. Other nominations may be made to the Institute by petition, signed by at least five (5) members of the ExSC ~~Council~~, prior to September 1 of each year. Thereafter, the Secretary of the ExSC shall ~~mail~~ issue to each voting member of the ~~Council~~ ExSC a ballot containing the names of all nominees~~, those submitted~~ recommended by the Nominating Committee ~~being so indicated~~. All ballots returned to the Institute by the closing date shall be counted and the names of the nominees receiving a ~~plurality~~ majority of the votes cast by the current ExSC membership shall be submitted to the Chair of the ANSI Board of Directors for appointment subject to approval by the ANSI Board of Directors.

7 Standards Advisors

The ExSC may appoint individuals or groups to serve as Sstandards Aadvisors, each of whom would have competence in one or more technical or procedural areas of standards development, application and coordination. Standards advisors will be called on to advise the ExSC on procedural issues~~, other ANSI boards or councils, and ANSI staff with regard to matters of coordination, harmonization, standards needs, etc~~. Standards Advisors shall not be responsible for making decisions ~~in standards issues~~, but shall serve, rather, as information sources.

Standards Aadvisors are appointed by the ExSC on the basis of individual or collective qualifications including experience, technical competence, impartiality, diplomatic abilities, knowledge of the voluntary consensus system, etc. Standards Aadvisors shall be appointed for a term to be determined by the ExSC but will generally be reappointed consistent with ExSC membership terms.

8 Other Subcommittees and Task Forces

The ExSC may establish such additional subcommittees and task forces as are considered desirable to accomplish its mission. Task forces shall have a defined scope and duration as approved by the ExSC, and shall be charged with making recommendations to the ExSC.

The Accreditation Subcommittee and the Audit Subcommittee are Standing Subcommittees of the ExSC. The Chair of the Accreditation Subcommittee is the Vice Chair of the ExSC. The Chair of the Audit Subcommittee shall be appointed by the Chair of the ExSC. These Subcommittees may make decisions on behalf of the ExSC as determined by the ExSC, or as appropriate, make recommendations to the ExSC. The ExSC may accept such recommendations, return the recommendations to the Subcommittee for further consideration or take any other action consistent with these procedures.

13 Voting Period

Letter ballots shall be scheduled to closed on the twentieth (20th) working day following the date of issue unless otherwise authorized by the Chair. When a negative vote is cast, in connection with actions other than membership, the ballot shall remain open until the procedure of section 16 is completed. [*16 Disposition of views and objections*]

Operating Procedures of the ANSI Board of Standards Review (2021)

2 Membership

The requirements for membership and the officers of the BSR are provided in the *ANSI By-Laws*. The members of the BSR shall, in that capacity, act in good faith and as fiduciaries to ANSI and shall act in the best interest of ANSI when making decisions on behalf of ANSI. However, if BSR voting members believe their duties to their employer or another third party conflict in any way with those of ANSI, they may simply recuse themselves from decision making on behalf of ANSI as detailed in Section 5.3 below. The members of the BSR shall also abide by ANSI's Conflict of

Interest and Related Party Transaction Policy, as well as, the ANSI Code of Conduct and these Operating Procedures. The BSR shall operate in accordance with Operating Procedures approved by the Executive Committee of the ANSI Board of Directors (Board Executive Committee).

Except as otherwise delegated by the ANSI Board of Directors, members of the BSR shall be nominated in accordance with these procedures and recommended by BSR voting members ~~and~~ for appointe~~d~~ment by the Chair of the ANSI Board of Directors, with the approval of the ANSI Board of Directors. In making these appointments, the Chair of the Board shall endeavor to ensure representation of all membership categories concerned with the activities of the BSR.

The BSR shall strive for a membership of between nine and eighteen members. Membership in ANSI by the entity with which the Member is affiliated shall be a prerequisite for participation in the BSR unless the Board Executive Committee specifically permits otherwise. Membership in the BSR, however, shall be by the individual, not the entity with which such person is affiliated.

Except as may be extended by the Board, each new member appointment shall be for a term of three full years with no person serving more than three full consecutive terms.

The principal qualifications for membership shall be competence and the ability to render impartial judgment in the approval or withdrawal of American National Standards, based on consideration of evidence of meeting criteria set forth in these procedures.

A staff member of ANSI designated by the President shall serve as a non-voting secretary of the BSR.

2.3 Nominations and Elections

Recommendations for BSR membership shall be open to any reasonable source. Recommendations may be requested from appropriate ANSI committees, forums and advisory groups. All recommendations shall be submitted to the Secretary and referred to the BSR Nominating Committee for consideration.

The Chair of the BSR shall appoint, before February 1 of each year, a Nominating Committee of not less than three (3) members from among the members of the BSR to serve until December 31. By majority vote, on or around ~~before~~ September 15 of each year, this committee shall nominate the following:

a) Candidates to serve as Chair and Vice-Chair of the BSR for the following year if the term of the current Chair or Vice Chair is due to expire; and
b) Members of the BSR (to fill vacancies and expired terms).

By October 1 of each year, the Secretary of the BSR shall forward to the members of the BSR the report of the Nominating Committee. Other nominations may be made to the Institute by

petition, signed by at least five (5) members of the BSR, prior to September 1 of each year. Thereafter, the Secretary of the BSR shall ~~mail~~ issue to each voting member of the BSR a ballot containing the names of all nominees~~, those submitted~~ recommended by the Nominating Committee ~~being so indicated~~. All ballots returned to the Institute by the closing date shall be counted and the names of the nominees receiving a ~~plurality~~ majority of the votes cast by the current BSR membership shall be submitted to the Chair of the ANSI Board of Directors for appointment subject to approval by the ANSI Board of Directors.

5.6 Voting Period

Letter ballots shall be closed on the tenth (10^{th}) working day following the date of issue, unless otherwise authorized by the Chair. When a negative vote is cast in connection with the approval of a proposed ANS, the ballot shall remain open until the procedure of section 5.2 is completed. *[5.2 Negative votes and recirculation]*

Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.
When organization names are submitted to ANSI for registration, they will be listed here alphanumerically. Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

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

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

For further information about the USA TBT Inquiry Point, please visit: https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point Contact the USA TBT Inquiry Point at (301) 975-2918; F: (301) 926-1559; E: usatbtep@nist.gov or notifyus@nist.gov.

Tracking number 37i9r1
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Revision to NSF/ANSI 37-2017
Issue 9 Revision 1 (March 2021)

[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 –

Air Curtain for Entranceways for Food and Food Service Establishments

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6.2 Customer entry air curtains

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6.2.2 Test method

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6.2.2.2 On the floor, centered under the air curtain airstream discharge nozzle, a grid pattern shall be laid out that is 6.0 in (150 mm) deep. The grid shall begin 1.0 in (25 mm) from the edges of the manufacturer's specified maximum effective airstream width for a ~~service window~~ customer entry opening. Four rows of points spaced 2.0 in (51 mm) apart shall be marked. Columns of points shall be evenly spaced from side to side, with spacing not exceeding 6.0 in (150 mm). A plumb bob shall be used to ensure that the grid pattern is centered from front to rear and side to side under the airstream discharge nozzle. Measurements on this grid shall be made in the plane ~~1/3 the distance of the vertical opening above the service window counter top~~ 3.0 ft ± 0.25 in (0.9 m ± 6.0 mm) above the floor. The ~~service window~~ customer entry lower test grid is shown in figures 1 and 2.

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6.3 Service entry air curtains

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6.3.2 Test method

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6.3.2.2 On the floor, centered under the air curtain airstream discharge nozzle, a grid pattern shall be laid out that is 3.0 in (76 mm) deep. The grid shall begin 1.0 in (25 mm) from the edges of the manufacturer's specified maximum effective airstream width for a service entry opening. Two rows of points spaced 3.0 in (76 mm) apart shall be marked. Columns of points shall be evenly spaced from side to side, with spacing not exceeding 6.0 in (150 mm). A plumb bob shall be used to ensure that the grid pattern is centered from front to rear and side to side under the airstream discharge nozzle. Measurements on this grid shall be made in the plane ~~1/3 the distance of the vertical opening above the floor~~ 3.0 ft ± 0.25 in (0.9 m ± 6.0 mm) above the floor. The service entry lower test grid is shown in figure 4.

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Rationale: *The only type of air curtain using the 1/3 vertical distance language is that for the Service Window, which will stay as such. The 3.0 ft language proposed here is the distance used in the previous publications of Standard 37 and the understood reference.*

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

NSF/ANSI Standard
for Drinking Water Treatment Units –

Drinking Water Treatment Units – Aesthetic Effects

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7 Elective performance claims – Test methods

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7.3.2 Chloramine reduction testing

7.3.2.1 Chloramine reduction claims

Claims for the reduction of chloramine may be made for drinking water treatment systems when tested in accordance with Section 7.3.2. The system shall reduce an average influent challenge of 3.0 ± 0.3 mg/L monochloramine (measured as Cl_2/L) so that, prior to the 100% sampling point, 90% of the product water sample concentrations are less than or equal to 0.5 mg/L monochloramine (measured as Cl_2/L). Samples collected at the 100% sample point shall be less than or equal to 0.5 mg/L monochloramine (measured as Cl_2/L).

NOTE — The acceptable single point influent concentration is 3.0 ± 0.5 mg/L (measured as Cl_2/L).

Upon the determination of a reduction capacity for chloramine, systems may also claim reduction of chlorine to the same reduction capacity as that demonstrated for chloramine.

Table 7.2
Chloramine reduction requirements

	Average influent challenge concentration	Individual influent sample point limits[1]	Maximum effluent concentration	Compound
chloramine[2]	3.0 mg/L ± 10%	3.0 ± 0.5 mg/L	0.5 mg/L	monochloramine

[1] Equals average influent challenge concentration variability plus one of the following, in order of availability:

1. Acceptable continuing calibration verification (CCV) limits stated in the appropriate US EPA Method.
2. Acceptable spike recoveries as stated in the appropriate US EPA Method.
3. Opinion of laboratory professionals – no guidance available in US EPA Method.

[2] As monochloramine (measured as Cl_2/L).

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7.3.2.6 Influent challenge

7.3.2.6.1 Chloramine reduction test water

A water supply with the following specific characteristics shall be used:

pH	9.0 ± 0.25
temperature	20 ± 3 °C (68 ± 5 °F)
TDS	200 to 500 mg/L
hardness	< 170 mg/L as $CaCO_3$
turbidity	< 1 NTU
TOC (total organic carbon)	> 1.0 mg/L[2]
organic nitrogen[1]	< 0.2 mg/L[3~~2~~]
chloramine (analyzed as specified in Section 7.3.2.3)	2.7 to 3.3 mg/L monochloramine (measured as Cl_2/L)[4~~3~~]

[1] Measured as the difference between Kjeldahl nitrogen and ammonia nitrogen.

[2] If naturally present in source water at adequate concentration. Adjustment of TOC is given in Section 7.3.2.6.4.

[3]This requirement may be waived if the test water used during analytical validation (Section 7.3.2.3.2) contains organic nitrogen > 0.2 mg/L.

[4~~3~~]-Monochloramine NH_2Cl (CAS #10599-90-3)

NOTE — mg/L monochloramine (as mg Cl_2/L) = mg/L NH_2Cl × 1.4.

The water characteristics shall be adjusted using the procedures in this Section. In addition, the test water shall be prefiltered through a particulate reduction filter rated to the Class I requirements of NSF/ANSI 42.

7.3.2.6.2 pH adjustment

The pH shall be increased by adding 6 N sodium hydroxide (NaOH). The pH shall be decreased by adding 6 N hydrochloric acid (HCl).

7.3.2.6.3 TDS adjustment

The TDS concentration shall be increased by adding sodium chloride (NaCl). The TDS concentration shall be decreased by blending with deionized water.

7.3.2.6.4 TOC adjustment

Specification indicated in Section 7.3.2.6.1 shall be maintained if naturally occurring TOC is available in the source water at levels greater than 1.0 mg/L. If concentration of TOC needs to be increased to meet the minimum specification, chlorinated tannic acid as prepared in accordance with Normative Annex 6 shall be added to the test water to achieve a specification of TOC at 1.5 +/- 0.5 mg/L.

7.3.2.6.5~~4~~ Hardness adjustment

The hardness shall be decreased by blending with deionized water.

7.3.2.6.6~~5~~ Chloramine formation

The following procedure is an example of a method used for the formation of chloramine in the challenge water. Other methods of mono-chloramine formation may be used if the resulting challenge water can be demonstrated to provide equivalent performance. Chloramine-T (CAS #127-65-1 or 7080-50-4) shall not be used to generate the challenge water. Only the formation of mono-chloramine NH_2Cl (CAS #10599-90-3) shall be used as the challenge water compound.

In order to ensure optimal monochloramine formation, the molar concentration of ammonium ion in the challenge water shall be greater than the molar concentration of chlorine in the challenge water.

WARNING – Monochloramine preparation procedures may produce hazardous reaction products. Adequate ventilation must be provided and appropriate safety precautions must be taken.

a) The challenge water shall first be adjusted for all other water characteristics as specified in Section 7.3.2.5 before the formation of monochloramine.

b) Ammonium chloride, NH_4Cl, shall be added to the challenge water to a concentration of 6 mg/L.

c) A 12% w/w sodium hypochlorite, NaOCl, shall then be added to achieve a concentration of 0.037 mL/L in the challenge water. The sodium hypochlorite solution shall be diluted at least 10:1 prior to adding to the challenge water.

WARNING – Do not combine ammonium chloride and sodium hypochlorite directly. The ammonium chloride *must* be diluted into the challenge water before the addition of sodium hypochlorite. If this procedure is not followed, hazardous reaction products may be formed.

d) The sodium hypochlorite addition shall be adjusted as needed to achieve a monochloramine concentration of 2.7 to 3.3 mg/L (measured as Cl_2/L).

e) The challenge water shall be prepared at least 1 h before use to allow for the complete reaction of the sodium hypochlorite and the ammonium chloride.

7.3.2.6.7~~6~~ POE test water

A public water supply or equivalent with a minimum temperature of 20 °C (68 °F) shall be used. Test water shall comply with US EPA *Primary and Secondary Drinking Water Regulations.*

Rationale: Added TOC requirement to chloramine challenge water to be consistent with other test methods in the DWTU standards. TOC can have a significant impact on the performance of some activated carbons and the potential absence of this parameter from testing could create an

overstated capacity or reduction in efficiency of products tested under the existing version of this method.

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Normative Annex 6

Preparation of TOC solution using tannic acid

N-6.1 Scope and purpose

This protocol outlines the method for preparing a chlorinated tannic acid concentrate to be used as the TOC requirement for testing DWTU systems.

N-6.2 Method summary

Tannic acid is slowly dissolved in 12% bleach to partially chlorinate the tannic acid to improve the stability of the TOC and simulate chlorinated NOM in natural waters.

N-6.3 Safety

N-6.1.1 Good laboratory practices (GLP) shall be adhered to at all times (the wearing of lab coat, gloves, and safety glasses) to prevent accidental personal contamination and/or exposure to hazardous waste.

N-6.1.2 THIS IS A VERY EXOTHERMIC REACTION! Caution must be taken to control the heat generated.

N-6.1.2.1 Take care when weighing out the dry tannic acid to avoid creating tannic dust in the air.

N-6.1.2.2 Use an ice bath to keep the temperature below 30 °C (54 °F). Place a thermometer in the solution to monitor the temperature throughout the procedure.

N-6.1.2.3 Add the tannic acid slowly over time to ensure the ice bath can dissipate the heat properly.

N-6.4 Apparatus and equipment

- large 6-L plastic bucket;
- water bath, something large enough to contain the reaction vessel with room enough for a ring of ice water;
- stir plate and stir bar;
- thermometer able to read between 20 and 100 °C (36 and 180 °F);
- stir rod; and
- filtering apparatus with Whatman #3 filters or equivalent.

N-6.5 Reagents

- tannic acid, reagent grade; and
- 12% bleach solution.

N-6.6 Solution preparation

a) Pour 3.5 L of 12% bleach into a 6 L or larger container and place the bucket in an ice bath.

b) Fill the ice bath with ice water to $^3/_4$ of the way up the reaction container.

c) Place a large stir bar into the container and place the set-up on stir plate. Start the stir plate.

d) Set up a thermometer in the bleach so you can constantly monitor the temperature of the reaction. Keep the temperature below 30 °C (54 °F).

e) Weigh out 93 g of tannic acid and slowly start adding it to the bleach in about 10 g increments every 5 to 10 min. You can add it faster as long as the temperature does not go over 30 °C (54 °F). You can scale up the reaction if necessary as long as you keep the ratio of tannic acid / bleach the same (100 g tannic acid / gal bleach).

f) Stir the solution occasionally to dissolve the tannic acid that floats on the top.

g) After all the tannic acid is added, allow the solution to stir for about 20 min. If the solution is yellow, add small amounts of tannic acid and stir until the solution color changes to brown. The brown color indicates a slight excess of unreacted tannic acid. Yellow indicates the complete chlorination of tannic acid.

h) After the reaction is complete turn off the stir plate and allow the undissolved organic matter to settle to the bottom.

i) Set up the large filter funnel with Whatman #3 filter paper or equivalent in the hood.

j) Use vacuum filtration to filter the chlorinated tannic acid solution.

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

NSF/ANSI Standard
for Drinking Water Treatment Units –

Ultraviolet Microbiological Water Treatment Units

7 Elective performance claims – Test methods

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7.1 General

Systems covered under this Standard shall be designed to meet the microbiological performance requirements at the manufacturer's recommended operating pressures and flow rates. Systems using solely low-pressure mercury lamps as the UV source shall be evaluated under Section 7.2. or 7.3 as requested by the manufacturer. Systems using alternate UV sources shall be evaluated under Section 7.3.

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7.3 Microbiological performance

7.3.1 Microbial performance testing

Component filters or other media that may interfere with the testing of a system shall be removed or bypassed during the test.

Microbiological methods for stock culture preparation, enumerations / analysis, storage, and stock challenge concentration for challenge test for Qβ coliphage shall be performed as specified in Annex N-2.

7.3.1.1 Class A systems

A Class A system shall deliver a UV dose to achieve a ~~4.00~~ 3.50 log reduction of the challenge organism concentration in the influent at the alarm set point when the system is tested in accordance with Section 7.3.1.7 or 7.3.1.8 as applicable.

7.3.1.2 Class B systems

A Class B system which is evaluated with the UV source irradiance at normal output shall deliver a UV dose to achieve a ~~2.14~~ 2.00 log reduction of the challenge organism concentration in the influent when the system is tested in accordance with Section 7.3.1.7 or 7.3.1.8 as applicable.

A Class B system which is evaluated with the UV source irradiance at 70% of normal output, or at the alarm set point, shall deliver a UV dose to achieve a 1.50 log reduction of the challenge organism concentration in the influent when the system is tested in accordance with Section 7.3.1.7 or 7.3.1.8 as applicable.

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7.3.1.4 Test water

7.3.1.4.1 General test water

A chlorine-free water with the following characteristics shall be used:

pH	7.5 ± 0.5
UV transmittance	98 ± 2% (prior to adding UV absorbant)
turbidity	< 1.0 NTU
temperature	20 ± 2.5 °C (68 ± 5 °F)
TDS	200 to 500 mg/L

7.3.1.4.2 UV absorbant

The UV absorbant shall be comprised of vanillin (CAS# 121-33-5) and SuperHume®[14]. The vanillin and SuperHume® shall be combined while maintaining a ratio of 1.0 mg vanillin to 0.02 mL SuperHume®. These compounds shall be diluted as needed prior to addition to the test water with deionized water.

7.3.1.4.3 Challenge organism

The appropriate organism shall be added to the general test water:

Qβ coliphage ATCC #23631-B1	5×10^4 to 5×10^5 PFU/mL

7.3.1.5 Determination of test operating conditions

7.3.1.5.1 Systems without UV sensor and alarm set point

For UV devices not equipped with an alarm set point mechanism, UV absorbant shall not be added to the test water.

7.3.1.5.2 Systems with UV sensor and alarm set point

Sufficient UV absorbant shall be added to reduce UV light transmission to the alarm set point of the device. For Class A devices, no less than the quantity of UV absorbant required to give a mean UV absorption of 0.1550 per cm (70% UVT) at 254 nm shall be used.

[14] Available from UAS of America, 534 CR 529 A, Lake Panasoffkee, Florida 33538 as Cropmaster® SuperHume® or AquaHume®.

NOTE — Absorption = -log(%T/100) where %T is expressed as a percentage (70%). Refer to *Standard Methods for the Examination of Water and Wastewater*, Method 5910 UV Absorbing Organic Constituents.

7.3.1.5.3 Configuring Class B systems without UV sensor and alarm set point for evaluation

Two methods are available to prepare a Class B system for evaluation. These methods both effectively simulate the UV source irradiance at end of life (70% of initial output at 100 hours). The procedure under Section 7.3.1.5.3.1 shall be the default procedure. Section 7.3.1.5.3.2 shall be utilized if the system is conducive to this procedure and is requested by the manufacturer.

7.3.1.5.3.1 Adjustment of Class B criteria to simulate UV source end of life

To simulate the UV irradiance at end of life for systems which are operated at the normal output, the reduction criteria shall be a log reduction greater than or equal to ~~2.14~~ 2.00 when the system is evaluated under Section 7.3.1.7 or 7.3.1.8 using UV sources conditioned for 100 hours.

7.3.1.5.3.2 Measurement of normal output and establishment of 70% irradiance for Class B systems

The following procedure shall be used to measure the normal output:

a) Two UV sources and ballast components identical to the system's UV source and ballast component shall be obtained and prepared for irradiance measurement in accordance with the appropriate International Ultraviolet Association Testing Protocol for measurement of UV device output.[15]

b) A regulated voltage source shall be set at the manufacturer's minimum recommended voltage.

c) The UV source shall be operated for 100 hours and record the UV source irradiance (normal output).

d) The voltage to the UV source shall be reduced until the irradiance reaches 70 ± 1% of normal output measured at 100 hours. The voltage and irradiance shall be recorded.

e) The lower of the two voltage measurements shall be used to adjust the system to 70% of its normal output during the evaluation under Section 7.3.1.7 or 7.3.1.8.

f) Test shall be conducted with UV sources conditioned for 100 hours.

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7.3.1.8.2 Acceptance

7.3.1.8.2.1 Class A systems

[15] *Method for the Measurement of the Output of Monochromatic (254nm) Low-Pressure UV Lamps*, IUVA News, Vol. 19:1, Spring 2017, and *Testing Protocol for Measurement of UV-C LED Device Output: Industry-wide Tolerance to Error*, IUVA, Sept. 2018, International Ultraviolet Association, Inc., 6935 Wisconsin Ave, Ste 207, Bethesda, MD 20815. <www.iuva.org>

For Class A systems, the geometric mean of all Qβ coliphage plaques on influent samples minus the geometric mean of counts on all effluent samples for each unit under test shall demonstrate a log reduction greater than or equal to ~~4.00~~ 3.50.

7.3.1.8.2.2 Class B systems

For a Class B system which is evaluated with the UV source irradiance at normal output, the geometric mean of all Qβ coliphage plaques on influent samples minus the geometric mean of counts on all effluent samples for each unit under test shall demonstrate a log reduction greater than or equal to ~~2.14~~ 2.00.

For a Class B system which is evaluated with the UV source irradiance at 70% of normal output or at the alarm setpoint, the geometric mean of all Qβ coliphage plaques on influent samples minus the geometric mean of counts on all effluent samples shall demonstrate a log reduction greater than or equal to 1.50.

Rationale: Revised minimum log reduction requirements for Class A and B devices per DWTU Task Group on Q beta recommendation. Upon review of combined collimated beams studies from 2015-2020, the task group determined that the original 4.00 log reduction (Class A) and 2.14 log reduction (Class B) requirements were overly conservative. The level chosen for Class A systems still maintains conservatism as 3.5 log reduction of Qbeta correlates to equal or greater than 40 mJ/cm2 dose with a 95% statistical confidence level based on historical collimated beam studies. The Class B reduction requirement of 2.00 log reduction (Class B devices tested at 100% power) is at the combined historical collimated beam statistical mean which is appropriate for Class B (non-health related) systems.

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Revision to NSF/ANSI 456-2021
Issue 2 Revision 1 (March 2021)

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

NSF/ANSI Standard
for Vaccine Storage –

Vaccine Storage

1 General

1.1 Purpose

This Standard is intended to define the appropriate criteria for storage units used to store vaccines. ~~Elements shall include an audit checklist and criteria for grading that apply to manufacturers of storage units, and requirements for auditor assessment of the storage unit. The Standard includes critical elements of a quality management system for proper vaccine storage.~~

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NSF/ANSI Standard for Vaccine Storage –

Vaccine Storage

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6 Design and construction – Refrigerator

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6.4 Temperature display and alarm

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6.4.3 The display must allow for adjustment ~~and calibration~~ by the end user or a technician. This capability shall be designed to discourage accidental adjustment. The operator's manual shall provide instructions describing the conditions and recommend method(s) whereby the display shall be adjusted.

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8 Design and construction – Freezer (vaccines requiring storage between -15 °C [5 °F] and -50 °C [-58 °F])

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8.5 Temperature display and alarm

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8.5.3 The display must allow for adjustment ~~and calibration~~ by the end user or a technician. This capability shall be designed to discourage accidental adjustment. The operator's manual shall provide instructions describing the conditions and recommend method(s) whereby the display shall be adjusted.

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NSF/ANSI Standard
for Vaccine Storage –

Vaccine Storage

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Informative Annex I-2

Acceptable sources and reference for certificate of temperature calibration

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.

Certificates of temperature calibration ~~shall~~ should indicate one or more of the following sources for calibration accuracy:

— conforms to ISO/IEC 17025;

— was performed by an ILAC/MRA Signatory body accredited Laboratory;

— list of the ILAC/MRA signatories may be found at: <http://ilac.org/ilac-mra-and-signatories/>;

— is traceable to standards maintained by NIST or prevailing National Measurement Institute;

— meets specifications and testing requirements for the American Society for Testing and Materials (ASTM) Standard E2877 tolerance Class F (≤ 0.5°C (0.9°F)) or better; and

— includes reference to another acceptable calibration method, such as comparison to other traceable reference standards or tests at thermometric fixed points.

NOTE 1 — Many temperature monitoring devices feature a data logger/readout device along with a detachable probe, and both components ~~shall~~ should be tested to ensure temperature measurement accuracy testing temperature monitoring devices ~~shall~~ should be as a unit (e.g., temperature probe plus data logger readout), rather than testing each component separately.

NOTE 2 — The preferred method of calibration of being performed by an ILAC/MRA Signatory body accredited Laboratory is recommended for high value product.

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NSF/ANSI Standard
for Vaccine Storage –

Vaccine Storage

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~~Informative~~ Normative Annex ~~1~~ 3

Test method for temperature measurement

~~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.~~

~~I-1.1~~ N-3.1 Purpose

This Annex describes the placement of VSDs.

~~I-1.2~~ N-3.2 VSD location

— VSD locations (upright UUTs): VSDs shall be placed in three separate horizontal planes, one located 152.4 mm ± 76.2 mm (6 in ± 3 in) from the top of the usable space of the UUT or on a shelf or drawer that is placed in its uppermost position, one located at the bottom of the usable space of the UUT, and one bisecting the vertical distance between the top and bottom planes (± 50.8 mm [±2 in]). Five VSDs shall be placed on each plane. VSDs on the top and bottom planes shall be placed at the corners of the usable space and in the geometric center of each plane. VSDs on the center plane shall be placed in a cross-sectional pattern aligned with the geometric center of that plane, as shown in Figure 8.

1. If the location of any VSD interferes with any hardware built into the UUT, move that plane of VSDs along the height of the UUT until the VSDs are at least 50.8 mm (2 in) away from the hardware.

2. Utilize existing fixed or adjustable shelves to achieve target measurement planes, to within stated dimensional tolerances. If this is not possible, VSDs may be suspended.

3. If the UUT has inner doors, and a compartment created by the inner doors does not contain at least one VSD, place at least one VSD 76.2 mm ± 50.8 mm (3 in ± 2 in) above the geometric center of the bottom of that compartment.

4. If the UUT has inner compartments, at least one additional VSD shall be placed in the geometric center of each compartment not intersected by one of the measurement planes specified in this Annex.

5. If the useable space of the UUT contains ledges or other physical features, excluding shelves, that could be used to store vaccine, at least one additional VSD shall be placed on the geometric center of each feature not intersected by one of the measurement planes specified in this Annex. Any ledge or feature large enough to support a VSD shall be monitored.

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Informative Annex ~~2~~1

Acceptable sources and reference for certificate of temperature calibration

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NSF/ANSI Standard
for Vaccine Storage –

Vaccine Storage

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5 Test conditions for all units under test

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5.5 The unit shall be set to the manufacturer's recommended temperature set point and factory settings. Prior to testing, the unit shall be allowed to stabilize for the length of time specified by the manufacturer, or at least twelve hours, if no stabilization time is specified. The unit shall be powered on with all doors and portals kept closed during the stabilization period.

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BSR/UL 180, Standard for Safety for *Combustible Liquid Tank Accessories*

1. ***Revision to the Manufacturing and Production Leakage Test***
2. ***Clarification of B100 Rating Option***
3. ***Clarification of Sample Exposures to Applicable Test Liquids & Fuels***

~~PERFROMANCE~~PERFORMANCE

16 Exposure and Compatibility Tests

16.5 Fuels & Fluids Compatibility Tests

MANUFACTURING AND PRODUCTION TESTS

20 General

20.1 Each tank accessory, before labeling and packaging, shall be inspected to determine that it is free of defects which are capable of impairing its function and serviceability. In addition, specific products shall be factory tested to meet the following requirements:

a) For functional products with moving parts, such as liquid level gauges and fill signal devices, the inspection shall include determination of proper operation on 100 % of production; or

b) For containment products such as pipes, a leak test at rated pressure shall be conducted using air or water on 100 % of production.

c) For flexible oil hoses, a leak test at or ~~exceeding~~ above rated pressure shall be conducted using air or water on 100% of the production of ~~inner liners~~ the primary containment hose and the final product at the start and end of each batch or shift, and a min 1% of each hours production. ~~Air or water pressure testing at or exceeding rated pressure shall be conducted at the start, intermittently after each hour of production and at the end of each batch of production of flexible oil hoses.~~

BSR/UL 1180, Standard for Fully Inflatable Recreational Personal Flotation Devices

1. **Removal of Low Mark requirements for Type III Inflatables**

PROPOSAL

24.4 In the position of relaxed face-up static balance, each test participant, after repositioning the head when applicable, and when looking to the side shall see the water's surface at a point within 3 m (10 ft.) from the test participant's position and beyond.

Exception: Type III devices are not required to comply with 24.4.

24.5 In the position of relaxed face-up static balance, for all test participants, the average of the lowest mark on a vertical scale, which is placed 6 m (20 ft.) in front of the subject so that the test participant sees the scale without moving his or her head, shall not be higher than 0.3 m (12 in.) from the water level. For performance Type II ~~and III devices~~, test participants are able to reposition the head and the device, when applicable, and then relax for the measurement.

Exception: Type III devices are not required to comply with 24.5.

SA6.4.2 When tested as specified in UL 1180, Section 24.5 with CO_2 inflation, test participants are able to reposition the head, re-adjust the device on the body and orally adjust inflation and then relax for the measurement. After these adjustments the average lowest mark on a vertical scale shall be equal to or less than that of the average lowest mark of the hybrid-inflatable reference vest.

Exception: Type III devices are not required to comply with SA6.4.2.

CSA B45.8/ IAPMO Z403

Terrazzo, concrete, composite stone, and natural stone plumbing fixtures

2 Reference publications

ICC/ANSI (International Code Council/American National Standards Institute)
A117.1-~~2009~~2017
Accessible and Usable Buildings and Facilities

UL (Underwriters Laboratories)
969 (~~1995~~2017)
Standard for Marking and Labeling Systems

4 General requirements

4.1 General

4.1.1 Tolerances

Unless otherwise specified in this Standard, the tolerance on dimensions of 200 mm (8 in) and greater shall be ± 3%. The tolerance on dimensions less than 200 mm (8 in) shall be ± 5%.

In this Standard, dimensions specified as "minimum" or "maximum" shall not be reduced below the specified minimum or increased above the specified maximum by application of a tolerance. If a dimensional range is specified and the word "minimum" or "maximum" does not appear, the upper and lower limits shall not be considered critical and the appropriate tolerance shall apply.

4.1.2 Coated parts

Coated accessories that are included with the fixture shall comply with the coating requirements of ASME A112.18.1/CSA B125.1.

4.1.3 Different materials

When a fixture is made of a combination of terrazzo, concrete, composite stone, or natural stone and other materials, the other materials shall comply with the applicable requirements of ASME A112.19.1/CSA B45.2, ASME A112.19.2/CSA B45.1, ASME A112.19.3/CSA B45.4, or CSA B45.5/IAPMO Z124, as applicable.

4.1.4 Accessible design fixtures

Fixtures designed to be accessible shall comply with the dimensional requirements specified in CAN/CSA-B651 or ICC/ANSI A117.1.

4.2 Waste fitting openings, drainage, and overflows

4.2.1 Openings and drainage

4.2.1.1

Fixtures shall

(a) have a waste fitting opening (outlet), the centre of which shall be located at the lowest point of the fixture; and
(b) drain to the waste outlet.