ANSI STANDARDS ACTION

PUBLISHED WEEKLY BY THE AMERICAN NATIONAL STANDARDS INSTITUTE 25 WEST 43RD STREET NY, NY 10036

VOL. 52 | NO. 8 February 19, 2021

CONTENTS

ISSN 0038-9633

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.

ACCA (Air Conditioning Contractors of America)

1330 Braddock Place, Suite 350, Alexandria, VA 22314 www.acca.org
Contact: David Bixby; david.bixby@acca.org

Revision

BSR/ACCA 1 Manual D-202x, ACCA 1 Manual D, Residential Duct Systems, 3rd Edition (revision of ANSI/ACCA 1 Manua D-2016)

Stakeholders: HVAC design practitioners, contractors, installers, code officials, and others involved in the HVAC air distribution system.
Project Need: ACCA seeks to make improvements to the standard and make updates as necessary based on its 5-year review cycle. This standard is currently a mandatory requirement in national mechanical codes.
Scope: This Standard contains procedures for sizing residential duct systems attached to HVAC equipment that has been designed and third-party rated for residential applications. Manual D uses data generated by ANSI/ACCA Manual J, Residential Load Calculation, Eighth Edition, which determines the heating and cooling loads to determine space air delivery requirements. This procedure is compatible with single-zone systems and multi-zone (air-zoned) systems. The primary equipment can have a single-speed, multi-speed, or a variable-speed blower.

ACCA (Air Conditioning Contractors of America)

1330 Braddock Place, Suite 350, Alexandria, VA 22314 www.acca.org
Contact: David Bixby; david.bixby@acca.org

Revision

BSR/ACCA 9 QIvp Standard-202x, ACCA 9 QIvp, HVAC Quality Installation Verification Protocols (revision of ANSI/ACCA 9 QIvp Standard-2016)

Stakeholders: Construction companies; building owners (commercial & residential - new & existing); HVAC contractors; consumers; installers; HVAC engineers; and program administrators such as utilities, government agencies, energy-related associations, OEMs, and HVAC associations and distributors.
Project Need: ANSI/ACCA 5 QI-2015, HVAC Quality Installation Specification, is currently undergoing a revision process. These revisions may require changes to be made to its verification document, ANSI/ACCA 9 QIvp-2016.
Scope: This Standard specifies the protocols to verify that elements of a specific HVAC system installation complying with ANSI/ACCA 5 QI, HVAC Quality Installation Specification. The verification protocols apply to installations of HVAC equipment/components in new and existing residential and commercial buildings that seek to demonstrate adherence to the requirements of the ACCA 5 QI Standard.

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 www.ahrinet.org
Contact: Karl Best; kbest@ahrinet.org

New Standard

BSR/AHRI Standard 600 (I-P)-202x, Calculation of Integrated Energy Efficiency Ratio (IEER) and Simultaneous Heating and Cooling Efficiency (SCHE) for Water-Source Heat Pumps (new standard)

Stakeholders: Groups and individuals known to be, or who have indicated that they are, directly and materially affected by the standard, including manufacturers, testers, regulators, trade or professional organizations, and associations representing consumers.
Project Need: The purpose of this standard is to establish a consistent industry-accepted method for calculating Integrated Energy Efficiency Ratio (IEER) and Simultaneous Heating and Cooling Efficiency (SCHE) metrics for Water-Source Heat Pumps (WSHP).
Scope: IEER has become a more mainstream method of representing combined part-load and full-load efficiency of HVAC equipment within AHRI standards. A single seasonal measure has become necessary to compare differing technologies in the commercial HVAC industry. It is important that WSHP can be included in this comparison and is the purpose of AHRI Standard 600. One of the benefits of ISO 13256-1 is its use of multiple water conditions for the applications of WLHP, GWHP, and GLHP along with part-load operation. With these applications and varied water conditions a certified performance map across a wide source temperature range is presented and interpolation for other source temperatures is possible. This allows the calculation of IEER and SCHE using existing AHRI certified data with no further testing.

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 www.ahrinet.org
Contact: Karl Best; kbest@ahrinet.org

New Standard

BSR/AHRI Standard 601 (SI)-202x, Calculation of Integrated Energy Efficiency Ratio (IEER) and Simultaneous Heating and Cooling Efficiency (SCHE) for Water-Source Heat Pumps (new standard)

Stakeholders: Groups and individuals known to be, or who have indicated that they are, directly and materially affected by the standard, including manufacturers, testers, regulators, trade or professional organizations, and associations representing consumers.
Project Need: The purpose of this standard is to establish a consistent industry-accepted method for calculating Integrated Energy Efficiency Ratio (IEER) and Simultaneous Heating and Cooling Efficiency (SCHE) metrics for Water-Source Heat Pumps (WSHP).
Scope: IEER has become a more mainstream method of representing combined part-load and full-load efficiency of HVAC equipment within AHRI standards. A single seasonal measure has become necessary to compare differing technologies in the commercial HVAC industry. It is important that WSHP can be included in this comparison and is the purpose of AHRI 600. One of the benefits of ISO 13256-1 is its use of multiple water conditions for the applications of WLHP, GWHP, and GLHP along with part-load operation. With these applications and varied water conditions a certified performance map across a wide source temperature range is presented and interpolation for other source temperatures is possible. This allows the calculation of IEER and SCHE using existing AHRI certified data with no further testing.

AIA (Aerospace Industries Association)

1000 Wilson Boulevard, Suite 1700, Arlington, VA 22209 www.aia-aerospace.org
Contact: Christopher Carnahan; chris.carnahan@aia-aerospace.org

New Standard

BSR/AIA NAS9947-202x, Organization Designation Authorization (ODA) Standard (new standard)

Stakeholders: Producers: Associations and members of associations involved in aerospace design, production, certification, parts, and repair. Users: All current ODA Holders and applicants for an ODA. General Interest: For other private entities who utilize ODA programs. Employees of the Federal Government: For reference and guidance material utilization.
Project Need: Currently, there are approximately 79 ODA Holders. 14 CFR Part 183 Subpart D prescribes the ODA requirements and FAA Order 8100.15 establishes the procedures, guidance, and limitations of authority that the FAA grants to an organization under the ODA program. An ODA Holder must establish a company-specific ODA procedures manual that meets the applicable requirements of the Order which is negotiated with the local oversight office and approved and overseen by FAA in accordance with the Order. An ODA standard is needed to help define guidance and identify best practices as an acceptable approach for an ODA to establish procedures and meet applicable requirements that would be scalable based on company size and ODA type. This includes both regulatory procedures that must be in the FAA approved manual, and recommendations for company procedures for addressing applicable requirements and best practices. The standard would link to other applicable organizational requirements and standards such as FAA Part 21 Type and Production Certificate, Part 145 Repair Station Certificate, and Part 5 Safety Management System and related industry SMS standards (in recognition of current rulemaking to apply SMS requirements upon Part 21 and Part 145 certificate holders).
Scope: Development of an AIA/NAS standard for industry organizations that hold an FAA Organization Designation Authorization (ODA). This Standard will provide guidance and best practices for all of the ODA types as described in FAA Order 8100.15:
(1) Type Certification ODA (TC ODA);
(2) Supplemental Type Certification ODA (STC ODA);
(3) Production Certification ODA (PC ODA);
(4) Parts Manufacturer Approval ODA (PMA ODA);
(5) Technical Standard Order Authorization Holder ODA (TSOA ODA); and
(6) Major Repair, Alteration, and Airworthiness ODA (MRA ODA).

AISI (American Iron and Steel Institute)

3425 Drighton Court, Bethlehem, PA 18020-1335 www.steel.org
Contact: Jay Larson; jlarson@steel.org

Supplement

BSR/AISI S100-2016/S3-202x, Supplement 3 to the North American Specification for the Design of Cold-Formed Steel Structural Members (supplement to ANSI/AISI S100-2016 (R2020))

Stakeholders: Cold-Formed Steel industry.
Project Need: With new research findings, the current standard will be updated and improved.
Scope: This supplement to AISI S100-16 (2020) incorporates approved revisions and additions used for cold-formed steel member and connection design.

AISI (American Iron and Steel Institute)

3425 Drighton Court, Bethlehem, PA 18020-1335 www.steel.org
Contact: Jay Larson; jlarson@steel.org

Revision

BSR/AISI S202-202x, Code of Standard Practice for Cold-Formed Steel Structural Framing (revision of ANSI/AISI S202 -2020)

Stakeholders: Cold-Formed Steel industry.
Project Need: With new research findings, the current standard will be updated and improved.
Scope: In the absence of specific instructions to the contrary in the contract documents, the trade practices defined in AISI S202 would govern the design, fabrication, and installation of cold-formed steel structural framing.

AISI (American Iron and Steel Institute)

3425 Drighton Court, Bethlehem, PA 18020-1335 www.steel.org
Contact: Jay Larson; jlarson@steel.org

Revision

BSR/AISI S220-202x, North American Standard for Cold-Formed Steel Nonstructural Framing (revision of ANSI/AISI S220-2020)

Stakeholders: Cold-Formed Steel industry.
Project Need: With new research findings, the current standard will be updated and improved.
Scope: This standard is to address requirements for construction with nonstructural members made from cold-formed steel.

AISI (American Iron and Steel Institute)

3425 Drighton Court, Bethlehem, PA 18020-1335 www.steel.org
Contact: Jay Larson; jlarson@steel.org

Revision

BSR/AISI S240-202x, North American Standard for Cold-Formed Steel Structural Framing (revision of ANSI/AISI S240 -2020)

Stakeholders: Cold-Formed Steel industry.
Project Need: With new research findings, the current standard will be updated and improved.
Scope: This standard is to address requirements for construction with cold-formed steel structural framing that are common to prescriptive and engineered design.

AISI (American Iron and Steel Institute)

3425 Drighton Court, Bethlehem, PA 18020-1335 www.steel.org
Contact: Jay Larson; jlarson@steel.org

Revision

BSR/AISI S310-202x, North American Standard for the Design of Profiled Diaphragm Panels (revision of ANSI/AISI S310 -2020)

Stakeholders: Cold-Formed Steel industry.
Project Need: With new research findings, the current standard will be updated and improved.
Scope: This standard applies to diaphragms and wall diaphragms that contain profiled steel panels, which include fluted panels or deck, and cellular deck. This standard determines the available strength and stiffness of steel panels and their connections in a diaphragm system, bur does not address determination of available strength for other components in the system. The design of the other diaphragm components is governed by the applicable building code and other design standards.

AISI (American Iron and Steel Institute)

3425 Drighton Court, Bethlehem, PA 18020-1335 www.steel.org
Contact: Jay Larson; jlarson@steel.org

Revision

BSR/AISI S400-202x, North American Standard for Seismic Design of Cold-Formed Steel Structural Systems (revision of ANSI/AISI S400-2020)

Stakeholders: Cold-Formed Steel industry.
Project Need: With new research findings, the current standard will be updated and improved.
Scope: This standard is intended to address the design and construction of cold-formed steel structural members and connections used in the seismic force-resisting systems in buildings and other structures.

AISI (American Iron and Steel Institute)

3425 Drighton Court, Bethlehem, PA 18020-1335 www.steel.org
Contact: Jay Larson; jlarson@steel.org

Revision

BSR/AISI S903-202x, Test Standard for Determining the Uniform and Local Ductility of Carbon and Low-Alloy Steels (revision of ANSI/AISI S903-2020)

Stakeholders: Cold-Formed Steel industry.
Project Need: With new research findings, the current standard will be updated and improved.
Scope: This test standard provides test methods for determination of uniform and local ductility of carbon and low-alloy steels from a tension test.

AISI (American Iron and Steel Institute)

3425 Drighton Court, Bethlehem, PA 18020-1335 www.steel.org
Contact: Jay Larson; jlarson@steel.org

Revision

BSR/AISI S915-202x, Test Standard for Determining the Strength and Deformation Behavior of Through-the-Web Punchout Cold-Formed Steel Wall Stud Bridging Connectors (revision of ANSI/AISI S915-2020)

Stakeholders: Cold-Formed Steel industry.
Project Need: With new research findings, the current standard will be updated and improved.
Scope: This test standard provides the methodology to determine the strength and deformation behavior of through-the-web punchout bridging connectors for cold-formed steel wall stud bracing for nonstructural and structural wall studs in light-frame construction.

AISI (American Iron and Steel Institute)

3425 Drighton Court, Bethlehem, PA 18020-1335 www.steel.org
Contact: Jay Larson; jlarson@steel.org

Revision

BSR/AISI S916-202x, Test Standard for Determining the Strength and Stiffness of Cold-Formed Steel-Framed Nonstructural Interior Partition Walls Sheathed With Gypsum Board (revision of ANSI/AISI S916-2020)

Stakeholders: Cold-Formed Steel industry.
Project Need: With new research findings, the current standard will be updated and improved.
Scope: This test standard establishes a rational method of determining the strength and stiffness of nonstructural interior partition wall assemblies framed with cold-formed steel.

AISI (American Iron and Steel Institute)

3425 Drighton Court, Bethlehem, PA 18020-1335 www.steel.org
Contact: Jay Larson; jlarson@steel.org

Revision

BSR/AISI S921-202x, Test Standard for Determining the Strength and Serviceability of Cold-Formed Steel Truss Assemblies and Components (revision of ANSI/AISI S921-2019)

Stakeholders: Cold-Formed Steel industry.
Project Need: With new research findings, the current standard will be updated and improved.
Scope: This test standard establishes procedures for confirmatory and performance tests for the strength and serviceability of cold-formed steel trusses. The standard is applicable to roof and floor trusses. It can be used for laboratory or in situ testing.

AISI (American Iron and Steel Institute)

3425 Drighton Court, Bethlehem, PA 18020-1335 www.steel.org
Contact: Jay Larson; jlarson@steel.org

Revision

BSR/AISI S922-202x, Test Standard for Determining the Strength and Stiffness of Bearing-Friction Interference Connector Assemblies in Profiled Steel Panels (revision of ANSI/AISI S922-2019)

Stakeholders: Cold-Formed Steel industry.
Project Need: With new research findings, the current standard will be updated and improved.
Scope: This test standard provides a test method for determining the strength and stiffness performance of bearing-friction interference connector assemblies installed in cold-formed profiled steel panels including steel deck and steel deck-slabs.

AISI (American Iron and Steel Institute)

3425 Drighton Court, Bethlehem, PA 18020-1335 www.steel.org
Contact: Jay Larson; jlarson@steel.org

Revision

BSR/AISI S923-202x, Test Standard for Determining the Strength and Stiffness of Shear Connection in Composite Members (revision of ANSI/AISI S923-2020)

Stakeholders: Cold-Formed Steel industry.
Project Need: With new research findings, the current standard will be updated and improved.
Scope: This test standard determines the strength and stiffness of shear connections in composite members through testing.

AISI (American Iron and Steel Institute)

3425 Drighton Court, Bethlehem, PA 18020-1335 www.steel.org
Contact: Jay Larson; jlarson@steel.org

Revision

BSR/AISI S924-202x, Test Standard for Determining the Effective Flexural Stiffness of Composite Members (revision of ANSI/AISI S924-2020)

Stakeholders: Cold-Formed Steel industry.
Project Need: With new research findings, the current standard will be updated and improved.
Scope: This test standard to provides a test method for determining the flexural stiffness of composite members formed by steel deck filled with concrete.

ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 www.x9.org
Contact: Ambria Frazier; Ambria.frazier@x9.org

New Standard

BSR X9.147-202x, Audit Confirmation and Account Verification Exchange (new standard)

Stakeholders: Financial institutions, their deposit customers, independent auditors that are hired by those customers, leasing agents, state and local governments issuing and verifying benefit eligibility.
Project Need: Developing a data exchange that could map directly to a financial institutions deposit system has the potential to almost fully automate this activity and provide expedited service to the end customer, and the services the products and services they are attempting to acquire through these verifications. This could also dramatically decrease the impact to the financial institution during audit peak season.
Scope: In today's environment. audit confirmations (customer-authorized requests for account data for use in a customer-sponsored independent audit), deposit verifications and account verifications are highly manual and are delivered in multiple formats by through many different channels (direct, third-party vendor, etc.). The information being requested through these activities are often quite simple to fulfill, but very time consuming, especially during peak season (January through April each year) where volumes spike by the hundreds of a percent. Most of these requests are for specific account balances on a specific day, verifications of deposits within a specific date range, or address verifications. This data is used by independent auditors to verify the records of their clients, but is also used for benefits eligibility inspections, supplemental verifications for lease qualifications, etc. While the data requested is easy to acquire, the vast array of formats and methods used to request this information makes a simple process manual and prone to error.

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 www.astm.org
Contact: Laura Klineburger; accreditation@astm.org

New Standard

BSR/ASTM WK75714-202x, New Practice for Walkway Tribometer Supplier Creation of Interlaboratory Study Reports and Test Procedures (new standard)

Stakeholders: Traction industry.
Project Need: ASTM regulations preclude reference (in a Standard) to patented or otherwise proprietary test apparatus where alternatives exist. While a proprietary apparatus may be mentioned in the Test Methods Research Report, this would prevent the Test Method from being a standalone document containing all information necessary for testing. As such, a standalone Test Method could only be for a non-proprietary apparatus design, with this design expressed in terms of physical characteristics and performance specifications sufficient to enable the readers to fabricate their own identical copy of the design.
Scope: This Practice covers the creation of supplier-published interlaboratory study reports and test procedures for the use of portable walkway tribometers for obtaining walkway friction measurements in the field or laboratory.

CSA (CSA America Standards Inc.)

8501 E. Pleasant Valley Road, Cleveland, OH 44131 www.csagroup.org
Contact: David Zimmerman; ansi.contact@csagroup.org

Revision

BSR Z21.58-202x, Outdoor Cooking Gas Appliances, same as Gas Appliances (revision of ANSI Z21.58-2018)

Stakeholders: Manufacturers, installers, consumers.
Project Need: To prepare a new edition of the current standard to take into account changes in the industry in order to address safety issues associated with new technologies and manufactured configurations of these types of gas-firec appliances.
Scope: This Standard applies to newly produced outdoor-cooking gas appliances constructed entirely of new or unused parts and materials. Outdoor-cooking gas appliances submitted for examination under this Standard are classified as portable, stationary, or built-in. This Standard applies to outdoor-cooking gas appliances mounted to the exterior of a recreational vehicle (RV grills) for connection to the recreational vehicle's low pressure LP gas supply system. It does not apply to outdoor-cooking gas appliances for installation in the interior living space of a recreationa vehicle.

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 www.cta.tech
Contact: Veronica Lancaster; vlancaster@cta.tech

Revision

BSR/CTA 2056-A-202x, Physical Activity Monitoring for Step Counting (revision and redesignation of ANSI/CTA 2056 -2016)

Stakeholders: Consumers, manufacturers, and retailers.
Project Need: To create definitions and performance criteria for measuring step counting on consumer wearable or app-based Physical Activity Monitoring Devices.
Scope: This standard creates definitions and performance criteria for measuring step counting on consumer wearable or app-based Physical Activity Monitoring Devices.

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 www.cta.tech
Contact: Veronica Lancaster; vlancaster@cta.tech

New Standard

BSR/CTA 2105-202x, Reporting/Validation Framework for Cardiovascular Technology Solutions (new standard)

Stakeholders: Consumers, manufacturers, and retailers.
Project Need: To a risk framework and identify elements of validation to include mechanisms to communicate the validation of device to the end users.
Scope: This document will provide a risk framework and identify elements of validation to include mechanisms to communicate the validation of device to the end users. (CTA is seeking new members to join the consensus body to participate in the effort to create CTA-2105. CTA and the R11 Health Fitness & Wellness Committee are particularly interested in adding new members [called "users" who acquire health & fitness products from those who create them] as well as those with a general interest.)

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 www.cta.tech
Contact: Veronica Lancaster; vlancaster@cta.tech

New Standard

BSR/CTA 2106-202x, Characteristics and Requirements for Mental Health Technology Solutions (new standard)

Stakeholders: Consumers, manufacturers, and retailers.
Project Need: To provide guidelines and implementation for consumer technologies related to the monitoring, treatment, and diagnosis of mental health and mental wellness.
Scope: This document will provide guidelines and implementation for consumer technologies related to the monitoring, treatment, and diagnosis of mental health and mental wellness.

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 www.ecianow.org
Contact: Laura Donohoe; ldonohoe@ecianow.org

New Standard

BSR/EIA 364-122-202x, Safety Holes Test Procedure for Electrical Connectors (new standard)

Stakeholders: Electronics, Electrical, and Telecommunications industries.
Project Need: Create a new American National Standard.
Scope: This test standard covers a test method to determine the strength of a safety wire (lock wire) when threaded through a lock wire hole in a connector.

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 www.asse-plumbing.org
Contact: Terry Burger; terry.burger@asse-plumbing.org

New Standard

BSR/ASSE 1112-202x, Packaged Plumbing and Mechanical Systems for Continuous Microbiological Mitigation (new standard)

Stakeholders: Plumbing, construction.
Project Need: There currently are not any standards which cover the performance of these products.
Scope: This standard covers Packaged Plumbing and Mechanical Systems that are designed to inactivate and disinfect waterborne pathogens and microorganisms within hot-water distribution systems from replicating and infecting humans.

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 www.asse-plumbing.org
Contact: Terry Burger; terry.burger@asse-plumbing.org

New Standard

BSR/ASSE/IAPMO 1115-202x, Performance Requirements for Automatic Hot Water Balancing Valve (new standard)

Stakeholders: Plumbing, construction.
Project Need: There currently not any performance standards for these products.
Scope: The scope of this standard covers automatic hot water balancing valves used in potable water systems. It covers performance, testing and labeling requirements. The automatic hot water balancing valve includes thermostatic (fixed-cartridge or adjustable type), pressure-independent (fixed-cartridge or adjustable type), and electronically actuated type. Automatic hot-water balancing valve control thermal loses in the potable hot-water distribution system to maintain the design temperature.

NEMA (ASC C12) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 www.nema.org
Contact: Paul Orr; orrpaul@aol.com

New Standard

BSR C12.30-202x, Test Requirements for: Meters Equipped with Service Switches (new standard)

Stakeholders: Meter manufacturers, electrical utilities.
Project Need: This standard is needed to provide a test basis for types of meters with an integral Service Switch.
Scope: This standard identifies test requirements for meters containing a Service Switch. Most of the tests included in this report are tailored to fit Service Switch type meters and originate from the ANSI C12.1 standard. Sections within the ANSI C12.1 standard have been referenced within these tests where applicable.

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: March 21, 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 B30.18-202x, Stacker Cranes (Top or Under Running Bridge, Multiple Girder With Top or Under Running Trolley Hoist) (revision of ANSI/ASME B30.18-2016)

Volume B30.18 includes provisions that apply to the construction, installation, operation, inspection, and maintenance of hand-powered and power-driven overhead and gantry cranes that have a top or under running multiple girder bridge with a vertically guided carriage, with or without a top or under running trolley. The requirements included in this volume also apply to stacker cranes having the same fundamental characteristics, such as cantilever gantry and semi-gantry stacker cranes.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: Kathleen Peterson; petersonk@asme.org

NSF (NSF International)

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

Revision

BSR/NSF 4-202x (i21r7), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2019)

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

Click here to view these changes in full

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

Comment Deadline: March 21, 2021

NSF (NSF International)

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

Revision

BSR/NSF/CAN 60-202x (i94r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2020)

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

Click here to view these changes in full
Send comments (with optional copy to psa@ansi.org) to: Monica Leslie; mleslie@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/CAN 61-202x (i158r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2020)

This Standard establishes minimum health effects requirements for the chemical contaminants and impurities that are indirectly imparted to drinking water from products, components, and materials used in drinking water systems. This Standard does not establish performance, taste and odor, or microbial growth support requirements for drinking water system products, components, or materials.

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

UL (Underwriters Laboratories)

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

Revision

BSR/UL 2703-202x, Standard for Safety for Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 2703-2019)

This proposal for UL 2703 covers: (1) Clarification to bonding and grounding requirements related to module removal in 9.1 and 9.2.

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

Comment Deadline: April 5, 2021

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/AAFS ASB BPR 052-202x, Best Practice Recommendation for the Detection and Collection of Footwear and Tire Impression Evidence (new standard)

This document provides best practice recommendations for personnel responsible for detecting and collecting footwear and tire impressions. These recommendations optimize the detection of impressions. The methods included in this document may not cover all aspects of unusual or uncommon conditions. This document is not intended as a substitute for training in the detecting and/or collection of footwear and tire impression evidence. Completion of a training program and experience in these skills is essential to understanding and applying the recommendations outlined in this document. (Please note that comments on a re-circulation will only be accepted on revised sections of a document, comments made to text not revised from the original public comment period will not be accepted.)

Single copy price: Free
Obtain an electronic copy from: Redline version, and comments can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/.
Order from: Document will be provided electronically on AAFS Standards Board website (www.asbstandardsboard.org) free of charge.
Send comments (with optional copy to psa@ansi.org) to: asb@aafs.org

Comment Deadline: April 5, 2021

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/AAFS ASB Std 137-202x, Standard for Examination and Documentation of Footwear and Tire Impression Evidence (new standard)

This standard provides the examination process and minimum documentation requirements for relevant observations and conclusions/interpretations encountered during footwear/tire tread examinations. The required documentation as outlined in this standard will allow for an appropriate review. This document is not all inclusive of the examinations that may be requested or conducted. (Please note that comments on a re-circulation will only be accepted on revised sections of a document, comments made to text not revised from the original public comment period will not be accepted.)

Single copy price: Free
Obtain an electronic copy from: Redline version, and comments can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/.
Order from: Document will be provided electronically on AAFS Standards Board website (www.asbstandardsboard.org) free of charge.
Send comments (with optional copy to psa@ansi.org) to: asb@aafs.org

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 p: (202) 682-8507 w: www.api.org

Reaffirmation

BSR/API 19G4 (ISO 17078-4)-2011 (R202x), Practices for Side-Pocket Mandrels and Related Equipment (reaffirm a national adoption ANSI/API 19G4 (ISO 17078-4)-2011)

Provides informative documentation to assist the user/purchaser and the supplier/manufacturer in specification, design, selection, testing, calibration, reconditioning, installation, and use of side-pocket mandrels, flow-control devices and associated latches, and installation tools.

Single copy price: $155.00
Obtain an electronic copy from: https://www.apiwebstore.org/
Order from: https://www.apiwebstore.org/
Send comments (with optional copy to psa@ansi.org) to: Katie Burkle; burklek@api.org

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 p: (202) 682-8130 w: www.api.org

Reaffirmation

BSR/API MPMS CH. 14.3.3-2012 (R202x), Orifice Metering of Natural Gas and Other Related Hydrocarbon Fluids - Concentric, Square-Edged Orifice Meters, - Part 3: Natural Gas Applications (reaffirmation of ANSI/API MPMS CH. 14.3.3-2012)

Developed as an application guide for the calculation for natural gas flow through a flange-tapped, concentric orifice meter, using the U.S. customary (USC) inch-pound system of units. It also provides practical guidelines for applying Ch. 14.3, Parts 1 and 2, to the measurement of natural gas.

Single copy price: Free
Obtain an electronic copy from: goodsons@api.org
Order from: Sally Goodson; goodsons@api.org
Send comments (with optional copy to psa@ansi.org) to: Sally Goodson; goodsons@api.org

Comment Deadline: April 5, 2021

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 p: (202) 682-8130 w: www.api.org

Reaffirmation

BSR/API MPMS Ch. 21.1-2011 (R202x), Flow Measurement Using Electronic Metering Systems - Electronic Gas Measurement (reaffirmation of ANSI/API MPMS Ch. 21.1-2011)

This standard describes the minimum specifications for electronic gas measurement systems used in the measurement and recording of flow parameters of gaseous phase hydrocarbon and other related fluids for custody transfer applications utilizing industry-recognized primary measurement devices.

Single copy price: Free
Obtain an electronic copy from: goodsons@api.org
Order from: Sally Goodson; goodsons@api.org
Send comments (with optional copy to psa@ansi.org) to: Sally Goodson; goodsons@api.org

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Suite 1100, Washington, DC 20001-5571 p: (970) 313-6868 w: www.api.org

Reaffirmation

BSR/API MPMS Chapter 2.2C, 1st Edition-2002 (R202x), Calibration of Upright Cylindrical Tanks Using the Optical-Triangulation Method (reaffirm a national adoption ANSI/API MPMS Chapter 2.2C, 1st Edition-2002 (R2015))

Specifies a calibration procedure for application to tanks above 26 ft in diameter with cylindrical courses that are substantially vertical. It provides a method for determining the volumetric quantity contained within a tank at gauged liquid levels. The measurement required to determine the radius may be made internally or externally. The external method is applicable only to tanks that are free of insulation.

Single copy price: $90.00 (non-member price), API members receive a 30 % discount where applicable.
Obtain an electronic copy from: https://www.apiwebstore.org/
Order from: https://www.apiwebstore.org/
Send comments (with optional copy to psa@ansi.org) to: Nick Monchak; MonchakN@api.org

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Suite 1100, Washington, DC 20001-5571 p: (970) 313-6868 w: www.api.org

Reaffirmation

BSR/API MPMS Chapter 2.2E, 1st Edition-2004 (R202x), Petroleum and Liquid Petroleum Products - Calibration of Horizontal Cylindrical Tanks - Part 1: Manual Methods (reaffirm a national adoption ANSI/API MPMS Chapter 2.2E, 1st Edition-2004 (R2015))

Specifies manual methods for the calibration of nominally horizontal cylindrical tanks, installed at a fixed location. It is applicable to horizontal tanks up to 4 m in diameter and 30 m in length. The methods are applicable to insulated and non-insulated tanks, either when they are above-ground or underground. The methods are applicable to pressurized tanks, and to both knuckle-dish-end and flat-end cylindrical tanks as well as elliptical and spherical head tanks. It is applicable to tanks inclined by up to 10% from the horizontal provided a correction is applied for the measured tilt.

Single copy price: $96.00 (non-member price), API members receive a 30% discount where applicable.
Obtain an electronic copy from: https://www.apiwebstore.org/
Order from: https://www.apiwebstore.org/
Send comments (with optional copy to psa@ansi.org) to: Nick Monchak; MonchakN@api.org

Comment Deadline: April 5, 2021

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Suite 1100, Washington, DC 20001-5571 p: (970) 313-6868 w: www.api.org

Reaffirmation

BSR/API MPMS Chapter 2.2F, 1st Edition-2004 (R202x), Petroleum and Liquid Petroleum Products - Calibration of Horizontal Cylindrical Tanks - Part 2: Internal Electro-optical Distance-ranging Method (reaffirm a national adoption ANSI/API MPMS Chapter 2.2F, 1st Edition-2004 (R2015))

Specifies a method for the calibration of horizontal cylindrical tanks having diameters greater than 2 m by means of internal measurements using an electro-optical distance-ranging instrument, and for the subsequent compilation of tank-capacity tables. This method is known as the internal electro-optical distance-ranging (EODR) method. It is applicable to tanks inclined by up to 10% from the horizontal, provided a correction is applied for the measured tilt.

Single copy price: $83.00 (non-member price), API members receive a 30% discount where applicable.
Obtain an electronic copy from: https://www.apiwebstore.org/
Order from: https://www.apiwebstore.org/
Send comments (with optional copy to psa@ansi.org) to: Nick Monchak; MonchakN@api.org

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 p: (202) 682-8286 w: www.api.org

Reaffirmation

BSR/API Spec 10D/ISO 10427-1-2010 (R202x), Specification for Bow-Spring Casing Centralizers (reaffirm a national adoption ANSI/API Spec 10D/ISO 10427-1-2010 (R2015))

Provides minimum performance requirements, test procedures, and marking requirements for bow-spring casing centralizers for the petroleum and natural gas industries. The procedures provide verification testing for the manufacturer's design, materials, and process specifications and periodic testing to confirm the consistency of product performance.

Single copy price: $97.00 (non-member price). API members receive a 30% discount where applicable.
Obtain an electronic copy from: rouechej@api.org
Send comments (with optional copy to psa@ansi.org) to: Jacqueline Roueche; RouecheJ@api.org

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 p: (202) 682-8507 w: www.api.org

Reaffirmation

BSR/API Specification 19G3 (ISO 17078-3)-2011 (R202x), Running Tools, Pulling Tools and Kick-Over Tools and Latches for Side-Pocket Mandrels (reaffirm a national adoption ANSI/API Specification 19G3 (ISO 17078-3)-2011)

Provides requirements and guidelines for running tools, pulling tools, kick-over tools and latches used for the installation and retrieval of flow control and other devices to be installed in side pocket mandrels for use in the petroleum and natural gas industries. This includes requirements for specifying, selecting, designing, manufacturing, quality control, testing and preparation for shipping of these tools and latches. Additionally, it includes information regarding performance testing and calibration procedures.

Single copy price: $144.00
Obtain an electronic copy from: https://www.apiwebstore.org/
Order from: https://www.apiwebstore.org/
Send comments (with optional copy to psa@ansi.org) to: Katie Burkle; burklek@api.org

Comment Deadline: April 5, 2021

API (American Petroleum Institute)

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

Reaffirmation

BSR/API Standard 662, Part 1-2011 (R202x), Plate Heat Exchangers for General Refinery Services - Part 1: Plate and Frame Heat Exchangers (reaffirm a national adoption ANSI/API Standard 662, Part 1-2011)

Gives requirements and recommendations for the mechanical design, materials selection, fabrication, inspection, testing, and preparation for shipment of plate-and-frame heat exchangers for use in petroleum, petrochemical, and natural gas industries. It is applicable to gasketed, semi-welded and welded plate-and frame heat exchangers.

Single copy price: $132.00
Obtain an electronic copy from: godoyj@api.org
Send comments (with optional copy to psa@ansi.org) to: Jose Godoy, godoyj@api.org

APTech (ASC CGATS) (Association for Print Technologies)

1896 Preston White Drive, Reston, VA 20191 p: (703) 264-7200 w: www.printtechnologies.org

Reaffirmation

BSR CGATS/ISO 15930-3-2004/ISO 15930-3-2002 (R202x), Graphic technology - Prepress digital data exchange - Use of PDF - Part 3: Complete exchange suitable for color managed workflows (PDF/X-3) (reaffirm a national adoption ANSI CGATS/ISO 15930-3-2004/ISO 15930-3-2002 (R2013))

This part of CGATS/ISO 15930 specifies the use of the Portable Document Format (PDF) for the dissemination of complete digital data, in a single exchange, that contains all elements necessary for final print reproduction. These exchanges will support both colour-managed workflows and traditional CMYK workflows.

Single copy price: $69.00
Obtain an electronic copy from: dorf@aptech.org
Order from: Debra Orf; dorf@aptech.org
Send comments (with optional copy to psa@ansi.org) to: Debra Orf; dorf@aptech.org

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

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

Revision

BSR/ASHRAE Standard 41.3-202x, Standard Methods for Pressure Measurements (revision of ANSI/ASHRAE Standard 41.3 -2014)

This revision of ANSI/ASHRAE Standard 41.3-2014 prescribes methods for pressure measurements under laboratory and field conditions.

Single copy price: $35.00
Obtain an electronic copy from: http://www.ashrae.org/standards-research--technology/public-review-drafts
Order from: standards.section@ashrae.org
Send comments (with optional copy to psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

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

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

Revision

BSR/ASHRAE Standard 41.6-202x, Standard Methods for Humidity Measurements (revision of ANSI/ASHRAE Standard 41.6 -2014)

This revision of ANSI/ASHRAE Standard 41.6-2014 prescribes methods for measuring the humidity of moist air with instruments.

Single copy price: $35.00
Obtain an electronic copy from: http://www.ashrae.org/standards-research--technology/public-review-drafts
Order from: standards.section@ashrae.org
Send comments (with optional copy to psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

Comment Deadline: April 5, 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 B30.9-202x, Slings (revision of ANSI/ASME B30.9-2018)

Volume B30.9 includes provisions that apply to the fabrication, attachment, use, inspection, testing, and maintenance of slings used for load-handling purposes, used in conjunction with equipment described in other volumes of the B30 Standard. Slings fabricated from alloy steel chain, wire rope, metal mesh, synthetic fiber rope, synthetic webbing, and polyester and high-performance fiber yarns in a cover(s) are addressed.

Obtain an electronic copy from: http://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 B30.22-202x, Articulating Boom Cranes (revision of ANSI/ASME B30.22-2016)

The scope includes cranes of the types described in paragraph 22-0.2.1 that are articulated by hydraulic cylinders and powered by internal combustion engines or electric motors and that are mounted on a mobile chassis or stationary installation. Articulating cranes equipped with a load hoist mechanism to broaden their versatility are covered by this volume.

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

CEMA (Conveyor Equipment Manufacturers Association)

1250 Tamiami Trail N, Suite 211, Naples, FL 34102 p: (239) 260-8009 w: www.cemanet.org

Revision

BSR/CEMA Standard 501.1-202x, Specifications for Welded Steel Wing Pulleys (revision and redesignation of ANSI/CEMA 501.1-2015)

Provides recommended load ratings, dimensional information, and criteria for selection of welded steel wing pulleys

Single copy price: Free
Obtain an electronic copy from: naylu@cemanet.org
Send comments (with optional copy to psa@ansi.org) to: Naylu Garces; naylu@cemanet.org

CEMA (Conveyor Equipment Manufacturers Association)

1250 Tamiami Trail N, Suite 211, Naples, FL 34102 p: (239) 260-8009 w: www.cemanet.org

Revision

BSR/CEMA Standard B105.1-202x, Specification for Welded Steel Conveyor Pulleys with Compression Type Hubs (revision and redesignation of ANSI/CEMA B105.1-2015)

Provides recommended load ratings, dimensional information, and criteria for selection of welded steel conveyor pulleys with metric conversions

Single copy price: Free
Obtain an electronic copy from: naylu@cemanet.org
Send comments (with optional copy to psa@ansi.org) to: Naylu Garces; naylu@cemanet.org

Comment Deadline: April 5, 2021

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 p: (703) 907-7697 w: www.cta.tech

Reaffirmation

BSR/CTA 909-B-2010 (R202x), Antenna Control Interface (reaffirmation of ANSI/CTA 909-B-2010 (R2016))

Describes an antenna control subsystem for receiving terrestrial transmissions.

Single copy price: Free
Obtain an electronic copy from: standards@cta.tech
Order from: Veronica Lancaster; vlancaster@cta.tech
Send comments (with optional copy to psa@ansi.org) to: Same

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 p: (703) 907-7697 w: www.cta.tech

Reaffirmation

BSR/CTA 2009-B-2010 (R202x), Performance Specification for Public Alert Receivers (reaffirmation of ANSI/CTA 2009-B-2010)

This standard defines minimum performance criteria for consumer electronic products designed to receive All Hazard Alert signals broadcast by the National Oceanic and Atmospheric Administrations Weather Radio network.

Single copy price: Free
Obtain an electronic copy from: standards@cta.tech
Order from: Veronica Lancaster; vlancaster@cta.tech
Send comments (with optional copy to psa@ansi.org) to: Same

ESTA (Entertainment Services and Technology Association)

271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 p: (212) 244-1505 w: www.esta.org

Reaffirmation

BSR E1.28-2011 (R202x), Guidance on planning followspot positions in places of public assembly (reaffirmation of ANSI E1.28 -2011 (R2016))

E1.28 offers guidance on the planning of permanent followspot positions, including recommendations on the locations of the followspot positions within the venue, the power likely to be needed, the waste heat generated, the amount of space likely to be needed, and the fall protection and egress issues to be considered for the followspot operator's safety. The existing standard is being considered for reaffirmation.

Single copy price: Free
Obtain an electronic copy from: http://tsp.esta.org/tsp/documents/public_review_docs.php
Order from: Karl Ruling; standards@esta.org
Send comments (with optional copy to psa@ansi.org) to: Same

ESTA (Entertainment Services and Technology Association)

271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 p: (212) 244-1505 w: www.esta.org

Reaffirmation

BSR E1.57-2016 (R202x), Recommendations to prevent falls on or off movable parade floats, movable stages, and similar moving platforms (reaffirmation of ANSI E1.57-2016)

This document establishes minimum levels and measures needed to reduce the risk for performers and technicians in various positions on movable parade floats, movable stages, and similar moving platforms. The document provides guidance on mitigation methods.

Single copy price: Free
Obtain an electronic copy from: https://tsp.esta.org/tsp/documents/public_review_docs.php
Order from: Karl Ruling; standards@esta.org
Send comments (with optional copy to psa@ansi.org) to: Same

Comment Deadline: April 5, 2021

ICC (ASC A117) (International Code Council)

4051 Flossmoor Road, Country Club Hills, IL 60478 p: (888) 422-7233 4295 w: www.iccsafe.org

Revision

BSR/ICC A117.1-202x, Standard for Accessible and Usable Buildings and Facilities (revision of ANSI/ICC A117.1-2017)

Site design and architectural features affecting the accessibility and usability of buildings and facilities, consideration to be given to all types of physical and sensory disabilities, to publicly used buildings and facilities, and to residential structures.

Single copy price: Free
Obtain an electronic copy from: https://codes.iccsafe.org/codes/icc-standards
Send comments (with optional copy to psa@ansi.org) to: kpaarlberg@iccsafe.org

ICC (International Code Council)

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

New Standard

BSR/ICC 1200-202x, Standard for Off-Site Construction: Planning, Design, Fabrication and Assembly (new standard)

Development of a comprehensive standard to address all facets of the off-site construction process including: planning; designing; fabricating; transporting; and assembling commercial and residential building elements. This includes componentized, panelized, and modularized elements. This standard will not apply to HUD Manufactured Housing.

Single copy price: Free
Obtain an electronic copy from: https://www.iccsafe.org/products-and-services/standards/is-osmc/
Send comments (with optional copy to psa@ansi.org) to: Karl Aittaniemi; kaittaniemi@iccsafe.org

ICC (International Code Council)

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

New Standard

BSR/ICC 1205-202x, Standard for Off-Site Construction: Inspection and Regulatory Compliance (new standard)

Development of a comprehensive standard to address the inspection, approval, and regulatory compliance of off-site residential and commercial construction components and their assembly and completion at the final building site. This includes: permitting; in-plant and on-site final inspections; third-party inspections; the role of Industrialized Building Departments, state modular programs, and the Authority Having Jurisdiction. Off-site construction includes componentized, panelized, and modularized elements. This standard will not apply to HUD Manufactured Housing.

Single copy price: Free
Obtain an electronic copy from: https://www.iccsafe.org/products-and-services/standards/is-osmc/
Send comments (with optional copy to psa@ansi.org) to: Karl Aittaniemi; kaittaniemi@iccsafe.org

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-1313 w: https://ul.org/

Reaffirmation

BSR/UL 291-2012 (R202x), Standard for Safety for Automated Teller Systems (reaffirmation of ANSI/UL 291-2012 (R2016))

UL proposes a reaffirmation for ANSI approval of UL 291-2012. The requirements of this standard cover the construction and security of equipment intended to automatically dispense currency when operated as intended by an authorized customer, and to provide a limited degree of protection against unauthorized removal of currency. If the product also receives deposits, the same degree of protection shall also be provided for the deposits. Records shall be made in order that the authorized customer may be debited for the currency dispensed. A limited degree of protection against unauthorized manipulation or removal of the records that will prevent proper debit shall be provided. A teller's cash dispenser is not required to make records. These requirements cover products intended for permanent connection to 600-volt or lower-potential branch circuits, and products intended for cord connection to 300-volt or lower-potential branch circuits. The branch circuits and the means of supplying the units from them are intended to comply with the National Electrical Code, ANSI/NFPA 70.

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

Technical Reports Registered with ANSI

Technical Reports Registered with ANSI are not consensus documents. Rather, all material contained in Technical Reports Registered with ANSI is informational in nature. Technical reports may include, for example, reports of technical research, tutorials, factual data obtained from a survey carried out among standards developers and/or national bodies, or information on the "state of the art" in relation to standards of national or international bodies on a particular subject.
Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to the PSA Center, American National Standards Institute, 25 West 43rd Street, New York, NY 10036 or E-Mail to psa@ansi.org.

NEMA (ASC C12) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 p: (703) 477-9997 w: www.nema.org

NEMA C12.24 TR-2021, Definitions for Calculations of VA, VAh, VAR, and VARh for Electricity Meters (revise technical report)

This technical report establishes names and mathematical definitions for the Volt-Ampere (VA), Volt-Ampere hours (VAh), Volt-Amperes Reactive (VAR), and Volt-Ampere Reactive hours (VARh) formulae used by electricity meters. The mathematical definitions assume static waveforms.

Single copy price: $96.00
Order from: Paul Orr; orrpaul@aol.com
Send comments (with optional copy to psa@ansi.org) to: Paul Orr; orrpaul@aol.com

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:

NSF (NSF International)

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

BSR/NSF 177-202x (i6r1), Shower Filtration Systems - Aesthetic Effects (revision of ANSI/NSF 177-2014)

Inquiries may be directed to Monica Leslie; mleslie@nsf.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.

ACCA (Air Conditioning Contractors of America)

1330 Braddock Place, Suite 350, Alexandria, VA 22314 p: (301) 525-5503 w: www.acca.org

Reaffirmation

ANSI/ACCA 14 QMref-2015 (R2021), Quality Maintenance of Commercial Refrigeration Systems (reaffirmation of ANSI/ACCA 14 QMref-2015) Final Action Date: 2/11/2021

Reaffirmation

ANSI/ACCA 6 QR-2015 (R2021), Restoring the Cleanliness of HVAC Systems (reaffirmation of ANSI/ACCA 6 QR-2015) Final Action Date: 2/11/2021

ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 p: (410) 267-7707 w: www.x9.org

New National Adoption

ANSI X9.134-2-2021, Security and Data Protection for Mobile Financial Services (national adoption with modifications of ISO 12812-2) Final Action Date: 2/9/2021

ASTM (ASTM International)

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

Revision

ANSI/ASTM E8/E8M-2021, Test Methods for Tension Testing of Metallic Materials (revision and redesignation of ANSI/ASTM E8-2016a) Final Action Date: 2/1/2021

Revision

ANSI/ASTM F1695-2021, Test Method for Performance of Underfired Broilers (revision of ANSI/ASTM F1695-2003 (R2015)) Final Action Date: 9/1/2020

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 p: (202) 628-6380 w: www.atis.org

New Standard

ANSI/ATIS 0600039-2021, Outside Plant Enclosures and Assemblies - Fire Resistance Test (new standard) Final Action Date: 2/11/2021

Reaffirmation

ANSI/ATIS 1000066-2016 (R2021), Emergency Telecommunications Service (ETS) Network Elements Requirements for IMS-Based Next Generation Network (NGN) Phase 2 (reaffirmation of ANSI/ATIS 1000066-2016) Final Action Date: 2/11/2021

BOMA (Building Owners and Managers Association)

1101 15th Street, NW, Suite 800, Washington, DC 20005 p: (202) 326-6338 w: www.boma.org

New Standard

ANSI/BOMA Z65.5-2020, BOMA 2020 for Retail Properties: Standard Method of Measurement (new standard) Final Action Date: 2/11/2021

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

Addenda
ANSI Z21.21A-2021/CSA 6.5A-2021, Automatic valves for gas appliances (addenda to ANSI Z21.21-2019) Final Action Date: 2/11/2021

New National Adoption
ANSI/FC 1 CSA C22.2 No. 62282-3-100-2021, Fuel cell technologies - Part 3-100: Stationary fuel cell power systems - Safety (national adoption of ISO 62282-3-100 with modifications and revision of ANSI/CSA FC-1-2014 (R2018)) Final Action Date: 2/9/2021

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

* ***Revision***
ANSI/CTA 2045-B-2021, Modular Communications Interface for Energy Management (revision and redesignation of ANSI/CTA 2045-A-2018) Final Action Date: 2/11/2021

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

Revision
ANSI/ASSE SERIES 12000-2021, Professional Qualifications Standard for Water Management and Infection Control Risk Assessment for Building Systems (revision of ANSI/ASSE Series 12000-2018) Final Action Date: 2/9/2021

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
INCITS/ISO/IEC 19086-2:2018 [2021], Cloud computing - Service level agreement (SLA) framework - Part 2: Metric model (identical national adoption of ISO/IEC 19086-2:2018) Final Action Date: 2/9/2021

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

Revision
ANSI MH10.8.2-2021, Data Identifiers (revision of ANSI MH10.8.2-2016) Final Action Date: 2/11/2021

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

New National Adoption
ANSI/NEMA/IEC 60974-2-2021, Arc Welding Equipment - Part 2: Liquid Cooling Systems (national adoption of IEC 60974-2, edition 4 with modifications and revision of ANSI/NEMA/IEC 60974-2-2008) Final Action Date: 2/9/2021

New National Adoption
ANSI/NEMA/IEC 60974-3-2021, Arc Welding Equipment - Part 3: Arc Striking and Stabilizing Devices (national adoption of IEC 60974-3, edition 4 with modifications and revision of ANSI/NEMA/IEC 60974-3 -2008) Final Action Date: 2/9/2021

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

New National Adoption
ANSI/NEMA/IEC 60974-7-2021, Arc Welding Equipment - Part 7: Torches (national adoption of IEC 60974 -7, edition 4 with modifications and revision of ANSI/NEMA/IEC 60974-7-2009) Final Action Date: 2/9/2021

NFPA (National Fire Protection Association)
One Batterymarch Park, Quincy, MA 02169 p: (617) 984-7246 w: www.nfpa.org

Revision
ANSI/NFPA 111-2022, Standard on Stored Electrical Energy Emergency and Standby Power Systems (revision of ANSI/NFPA 111-2019) Final Action Date: 2/11/2021

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

Revision
ANSI/NSF 8-2021 (i16r1), Commercial Powered Food Preparation Equipment (revision of ANSI/NSF 8 -2018) Final Action Date: 2/14/2021

Revision
ANSI/NSF 8-2021 (i17r1), Commercial Powered Food Preparation Equipment (revision of ANSI/NSF 8 -2018) Final Action Date: 2/16/2021

Revision
ANSI/NSF 455-3-2021 (i22r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3 -2019) Final Action Date: 2/10/2021

Revision
ANSI/NSF 455-3-2021 (i27r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3 -2019) Final Action Date: 2/10/2021

TCNA (ASC A108) (Tile Council of North America)
100 Clemson Research Blvd., Anderson, SC 29625 p: (864) 646-8453 w: www.tcnatile.com

New Standard
ANSI A108.18-2021, Unmounted Glass Tile Installation (new standard) Final Action Date: 2/11/2021

Reaffirmation
ANSI A108.1C-1999 (R2021), Contractors Option: Installation of Ceramic Tile in the Wet-Set Method with Portland Cement Mortar or Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set or Latex-Portland Cement Mortar (reaffirmation of ANSI A108.1C-1999 (R2016)) Final Action Date: 2/11/2021

Reaffirmation
ANSI A108.13-2005 (R2021), Installation of Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone (reaffirmation of ANSI A108.13-2005 (R2016)) Final Action Date: 2/11/2021

Reaffirmation
ANSI A108.17-2005 (R2021), Installation of Crack Isolation Membranes for Thin-Set Ceramic Tile and Dimension Stone (reaffirmation of ANSI A108.17-2005 (R2016)) Final Action Date: 2/11/2021

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

100 Clemson Research Blvd., Anderson, SC 29625 p: (864) 646-8453 w: www.tcnatile.com

Reaffirmation

ANSI A118.5-1999 (R2021), Standard Specifications for Chemical Resistant Furan Mortars and Grouts for Tile Installation (reaffirmation of ANSI A118.5-1999 (R2016)) Final Action Date: 2/11/2021

Reaffirmation

ANSI A118.8-1999 (R2021), Standard Specifications for Modified Epoxy Emulsion Mortar/Grout (reaffirmation of ANSI A118.8-1999 (R2016)) Final Action Date: 2/11/2021

Reaffirmation

ANSI A138.1-2011 (R2021), Standard Specifications for Sustainable Ceramic Tiles, Glass Tiles, and Tile Installation Materials (reaffirmation of ANSI A138.1-2011) Final Action Date: 2/11/2021

Revision

ANSI A108.01-2021, General Requirements: Subsurfaces and Preparations by Other Trades (revision of ANSI A108.01-2018) Final Action Date: 2/11/2021

Revision

ANSI A108.14-2021, Installation of Paper-Faced Glass Mosaic Tile (revision of ANSI A108.14-2020) Final Action Date: 2/11/2021

Revision

ANSI A137.1-2021, Standard Specifications for Ceramic Tile (revision of ANSI A137.1-2019) Final Action Date: 2/11/2021

UL (Underwriters Laboratories)

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

New National Adoption

ANSI/UL 61800-5-1-2021, Standard for Safety for Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal and Energy (national adoption of IEC 61800-5-1 with modifications and revision of ANSI/UL 61800-5-1-2020) Final Action Date: 2/11/2021

Reaffirmation

ANSI/UL 635-2012 (R2021), Standard for Safety for Insulating Bushings (reaffirmation of ANSI/UL 635 -2012 (R2016)) Final Action Date: 2/15/2021

Revision

ANSI/UL 330-2021, Standard for Safety for Hose and Hose Assemblies for Dispensing Flammable Liquids (revision of ANSI/UL 330-2019) Final Action Date: 2/11/2021

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.

API (American Petroleum Institute)
200 Massachusetts Avenue NW, Suite 1100, Washington, DC 20001-5571 p: (970) 313-6868 w: www.api.org
Nick Monchak; MonchakN@api.org

BSR/API MPMS Chapter 2.2C, 1st Edition-2002 (R202x), Calibration of Upright Cylindrical Tanks Using the Optical-Triangulation Method (reaffirm a national adoption ANSI/API MPMS Chapter 2.2C, 1st Edition-2002 (R2015))

BSR/API MPMS Chapter 2.2E, 1st Edition-2004 (R202x), Petroleum and Liquid Petroleum Products - Calibration of Horizontal Cylindrical Tanks - Part 1: Manual Methods (reaffirm a national adoption ANSI/API MPMS Chapter 2.2E, 1st Edition-2004 (R2015))

BSR/API MPMS Chapter 2.2F, 1st Edition-2004 (R202x), Petroleum and Liquid Petroleum Products - Calibration of Horizontal Cylindrical Tanks - Part 2: Internal Electro-optical Distance-Ranging Method (reaffirm a national adoption ANSI/API MPMS Chapter 2.2F, 1st Edition-2004 (R2015))

CEMA (Conveyor Equipment Manufacturers Association)
1250 Tamiami Trail N, Suite 211, Naples, FL 34102 p: (239) 260-8009 w: www.cemanet.org
Naylu Garces; naylu@cemanet.org

BSR/CEMA Standard 501.1-202x, Specifications for Welded Steel Wing Pulleys (revision and redesignation of ANSI/CEMA 501.1-2015)

BSR/CEMA Standard B105.1-202x, Specification for Welded Steel Conveyor Pulleys with Compression Type Hubs (revision and redesignation of ANSI/CEMA B105.1-2015)

CTA (Consumer Technology Association)
1919 South Eads Street, Arlington, VA 22202 p: (703) 907-7697 w: www.cta.tech
Veronica Lancaster; vlancaster@cta.tech

BSR/CTA 909-B-2010 (R202x), Antenna Control Interface (reaffirmation of ANSI/CTA 909-B-2010 (R2016))

CTA is seeking new members to join the consensus body to participate in the effort to reaffirm CTA -909-B. CTA and the R4 Video Systems Committee is particularly interested in adding new members who acquire video products from those who create them (called "users").

BSR/CTA 2009-B-2010 (R202x), Performance Specification for Public Alert Receivers (reaffirmation of ANSI/CTA 2009-B-2010)

CTA is seeking new members to join the consensus body to participate in the effort to reaffirm CTA -2009-B. CTA and the R6 Intelligent Mobility Committee are particularly interested in adding new members (called "users" who acquire products from those who create them) as well as those with a general interest.

BSR/CTA 2056-A-202x, Physical Activity Monitoring for Step Counting (revision and redesignation of ANSI/CTA 2056-2016)

BSR/CTA 2105-202x, Reporting/Validation Framework for Cardiovascular Technology Solutions (new standard)

BSR/CTA 2106-202x, Characteristics and Requirements for Mental Health Technology Solutions (new standard)

NSF (NSF International)
789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-5643 w: www.nsf.org
Monica Leslie; mleslie@nsf.org

BSR/NSF/CAN 61-202x (i158r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2020)

UL (Underwriters Laboratories)
12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-1313 w: https://ul.org/
Annabelle Hollen; Annabelle.Hollen@ul.org

BSR/UL 291-2012 (R202x), Standard for Safety for Automated Teller Systems (reaffirmation of ANSI/UL 291-2012 (R2016))

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.

Meeting Notices (Standards Developers)

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 at julie.cairns@csagroup.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.

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

ACCA
Air Conditioning Contractors of America
1330 Braddock Place
Suite 350
Alexandria, VA 22314
e: david.bixby@acca.org
p: (301) 525-5503
www.acca.org

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

AIA
Aerospace Industries Association
1000 Wilson Boulevard
Suite 1700
Arlington, VA 22209
e: chris.carnahan@aia-aerospace.org
p: (703) 358-1052
www.aia-aerospace.org

AISI
American Iron and Steel Institute
3425 Drighton Court
Bethlehem, PA 18020-1335
e: jlarson@steel.org
p: (610) 691-6334
www.steel.org

API
American Petroleum Institute
200 Massachusetts Avenue NW
Suite 1100
Washington, DC 20001-5571
e: MonchakN@api.org
p: (970) 313-6868
www.api.org

API
American Petroleum Institute
200 Massachusetts Avenue NW
Washington, DC 20001
e: burklek@api.org
p: (202) 682-8507
www.api.org

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

API
American Petroleum Institute
200 Massachusetts Avenue NW
Washington, DC 20001
e: goodsons@api.org
p: (202) 682-8130
www.api.org

API
American Petroleum Institute
200 Massachusetts Avenue NW
Washington, DC 20001
e: RouecheJ@api.org
p: (202) 682-8286
www.api.org

APTech (ASC CGATS)
Association for Print Technologies
1896 Preston White Drive
Reston, VA 20191
e: dorf@aptech.org
p: (703) 264-7200
www.printtechnologies.org

ASC X9
Accredited Standards Committee X9, Incorporated
275 West Street
Suite 107
Annapolis, MD 21401
e: Ambria.frazier@x9.org
p: (410) 267-7707
www.x9.org

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

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

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

ATIS
Alliance for Telecommunications Industry Solutions
1200 G Street NW
Suite 500
Washington, DC 20005
e: dgreco@atis.org
p: (202) 628-6380
www.atis.org

BOMA
Building Owners and Managers Association
1101 15th Street, NW
Suite 800
Washington, DC 20005
e: lprats@boma.org
p: (202) 326-6338
www.boma.org

CEMA
Conveyor Equipment Manufacturers Association
1250 Tamiami Trail N
Suite 211
Naples, FL 34102
e: naylu@cemanet.org
p: (239) 260-8009
www.cemanet.org

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

CTA
Consumer Technology Association
1919 South Eads Street
Arlington, VA 22202
e: vlancaster@cta.tech
p: (703) 907-7697
www.cta.tech

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

ESTA
Entertainment Services and Technology Association
271 Cadman Plaza
P.O. Box 23200
Brooklyn, NY 11202-3200
e: standards@esta.org
p: (212) 244-1505
www.esta.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

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

ICC (ASC A117)
International Code Council
4051 Flossmoor Road
Country Club Hills, IL 60478
e: kaittaniemi@iccsafe.org
p: (888) 422-7233
www.iccsafe.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

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

NEMA (ASC C12)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
e: orrpaul@aol.com
p: (703) 477-9997
www.nema.org

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

NFPA
National Fire Protection Association
One Batterymarch Park
Quincy, MA 02169
e: dbellis@nfpa.org
p: (617) 984-7246
www.nfpa.org

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

NSF
NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
e: mleslie@nsf.org
p: (734) 827-5643
www.nsf.org

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

TCNA (ASC A108)
Tile Council of North America
100 Clemson Research Blvd.
Anderson, SC 29625
e: KSimpson@tileusa.com
p: (864) 646-8453
www.tcnatile.com

UL
Underwriters Laboratories
12 Laboratory Drive
Research Triangle Park, NC 27709-3995
e: Annabelle.Hollen@ul.org
p: (919) 549-1313
https://ul.org/

UL
Underwriters Laboratories
171 Nepean Street
Suite 400
Ottawa, ON K2P 0B4 Canada
e: laura.werner@ul.org
p: (613) 368-4417
https://ul.org/

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

UL
Underwriters Laboratories
333 Pfingsten Road
Northbrook, IL 60062-2096
e: Susan.P.Malohn@ul.org
p: (847) 664-1725
https://ul.org/

UL
Underwriters Laboratories
47173 Benicia Street
Fremont, CA 94538
e: Derrick.L.Martin@ul.org
p: (510) 319-4271
https://ul.org/

ISO & IEC Draft International Standards

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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

AIR QUALITY (TC 146)

ISO/DIS 19694-4, Stationary source emissions - Determination of greenhouse gas (GHG) emissions in energy-intensive industries - Part 4: Aluminium industry - 11/9/2020, $82.00

MECHANICAL TESTING OF METALS (TC 164)

ISO/DIS 23838, Metallic Materials - High Strain Rate Torsion Test at Room Temperature - 5/6/2021, $93.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 12005, Lasers and laser-related equipment - Test methods for laser beam parameters - Polarization - 5/2/2021, $62.00

ISO/DIS 13696, Optics and photonics - Test method for total scattering by optical components - 5/2/2021, $98.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/DIS 11610, Protective clothing - Glossary of terms and definitions - 11/11/2029, $112.00

STEEL (TC 17)

ISO/DIS 23717, Steel wire and wire products - Hose reinforcement wire - 5/6/2021, $53.00

SURFACE CHEMICAL ANALYSIS (TC 201)

ISO/DIS 23729, Surface chemical analysis - Atomic force microscopy - Guideline for restoration procedure for atomic force microscopy images dilated by finite probe size - 5/6/2021, $67.00

TEXTILES (TC 38)

ISO/DIS 24180, Textiles - Synthetic filament yarns - Electrostatic propensity evaluation by measuring electrical resistance - 5/2/2021, $46.00

TOURISM AND RELATED SERVICES (TC 228)

ISO/DIS 3163, Adventure tourism - Terminology - 5/6/2021, $82.00

TYRES, RIMS AND VALVES (TC 31)

ISO/DIS 20908, Tyre sound emission test - Methods of drum - 5/2/2021, $107.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 21558-1, Telecommunications and information exchange between systems - Future network architecture - Part 1: Switching and Routing - 5/2/2021, $46.00

ISO/IEC DIS 21558-3, Telecommunications and information exchange between systems - Future network architecture - Part 3: Networking of everything - 5/2/2021, $77.00

ISO/IEC DIS 21559-1, Telecommunications and information exchange between systems - Future network protocols and mechanisms - Part 1: Switching and routing - 5/2/2021, $82.00

ISO/IEC DIS 21559-3, Telecommunications and information exchange between systems - Future network protocols and mechanisms - Part 3: Networking of everything - 5/2/2021, $107.00

ISO/IEC DIS 28360-1, Information technology - Office equipment - Determination of chemical emission rates from electronic equipment - Part 1: Using-consumables - 5/6/2021, $125.00

IEC Standards

17C/765/CDV, IEC 62271-203 ED3: High-voltage switchgear and controlgear - Part 203: Gas-insulated metal-enclosed switchgear for rated voltages above 52 kV, 05/07/2021

20/1953/CD, IEC 60287-1-3 ED2: Electric cables - Calculation of the current rating - Part 1-3: Current rating equations (100 % load factor) and calculation of losses - Current sharing between parallel single-core cables and calculation of circulating current losses, 05/07/2021

20/1954/CD, IEC 60287-2-1 ED3: Electric cables - Calculation of the current rating - Part 2-1: Thermal resistance - Calculation of the thermal resistance, 05/07/2021

26/719/FDIS, IEC 60974-8 ED3: Arc welding equipment - Part 8: Gas consoles for welding and plasma cutting systems, 03/26/2021

31/1566/FDIS, IEC 62990-2 ED1: Workplace atmospheres - Part 2: Gas detectors - Selection, installation, use and maintenance of detectors for toxic gases and vapours, 03/26/2021

35/1465/FDIS, IEC 60086-1 ED13: Primary batteries - Part 1: General, 03/26/2021

35/1466/FDIS, IEC 60086-2 ED14: Primary batteries - Part 2: Physical and electrical specifications, 03/26/2021

35/1467/FDIS, IEC 60086-3 ED5: Primary batteries - Part 3: Watch batteries, 03/26/2021

40/2823/CD, IEC 60384-19 ED4: Fixed capacitors for use in electronic equipment - Part 19: Sectional specification: Fixed metallized polyethylene terephthalate film dielectric surface mount DC capacitors, 05/07/2021

40/2824/CD, IEC 60286-2 ED5: Packaging of components for automatic handling - Part 2: Tape packaging of components with unidirectional leads on continuous tapes, 05/07/2021

44/893/CD, IEC TS 61496-4-2 ED2: Safety of machinery - Electro-sensitive protective equipment - Part 4-2: Particular requirements for equipment using vision based protective devices (VBPD) - Additional requirements when using reference pattern techniques (VBPDPP), 04/09/2021

44/894/CD, IEC TS 61496-4-3 ED2: Safety of machinery - Electro-sensitive protective equipment - Part 4-3: Particular requirements for equipment using vision based protective devices (VBPD) - Additional requirements when using stereo vision techniques (VBPDST), 04/09/2021

44/895/CD, IEC TS 61496-5 ED1: Safety of machinery - Electro-sensitive protective equipment - Part 5: Particular requirements for radar-based protective Devices, 05/07/2021

46A/1466/NP, PNW 46A-1466 ED1: Coaxial communication cables - Part 12: Specification for hanging brackets for radiating cables, 05/07/2021

47/2689/NP, PNW 47-2689 ED1: Semiconductor devices - Mechanical and climatic test methods - Part 34-1: Power cycling test for power semiconductor module, 05/07/2021

47A/1115/FDIS, IEC 62228-5 ED1: Integrated circuits - EMC evaluation of transceivers - Part 5: Ethernet transceivers, 03/26/2021

47E/736/CDV, IEC 60747-5-14 ED1: Semiconductor devices - Part 5 -14: Optoelectronic devices - Light emitting diodes - Test method of the surface temperature based on the thermoreflectance method, 05/07/2021

47E/737/CDV, IEC 60747-5-15 ED1: Semiconductor devices - Part 5 -15: Optoelectronic devices - Light emitting diodes - Test method of the flat-band voltage based on the electroreflectance spectroscopy, 05/07/2021

47E/738/CDV, IEC 60747-5-4 ED2: Semiconductor devices - Part 5-4: Optoelectronic devices - Semiconductor lasers, 05/07/2021

56/1916/CD, IEC 61025 ED3: Fault tree analysis (FTA), 05/07/2021

56/1917/CD, IEC 60300-3-14 ED2: Dependability management - Part 3-14: Application guide - Supportability and support, 05/07/2021

57/2355/FDIS, IEC 62488-3 ED1: Power line communication systems for power utility applications - Part 3: Digital Power Line Carrier (DPLC) terminals and hybrid ADPLC terminals, 03/26/2021

57/2356/DC, Revision of IEC 61970-457:2021 ED1, Energy management system application program interface (EMS-API) - Part 457: Dynamics profile, 03/26/2021

62A/1434/FDIS, IEC 80001-1 ED2: Safety, effectiveness and security in the implementation and use of connected medical devices or connected health software - Part 1: Application of risk management, 03/26/2021

65C/1083/FDIS, IEC 61784-3-X ED4: Industrial communication networks - Profiles - Part 3-X: Functional safety fieldbuses - Additional specifications for CPF X, 03/26/2021

80/991/CD, IEC 63269 ED1: Maritime navigation and radiocommunication equipment and systems - Maritime survivor locating devices (Man Overboard Devices) - Minimum requirements, methods of testing and required test results, 05/07/2021

85/755(F)/FDIS, IEC 61557-12/AMD1 ED2: Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 12: Power metering and monitoring devices (PMD), 03/12/2021

86B/4407(F)/CDV, IEC 61753-101-03 ED1: Fibre optic interconnecting devices and passive components performance standard - Part 101-03: Fibre management systems for Category OP - Outdoor protected environment, 04/30/2021

86B/4408(F)/CDV, IEC 61753-111-07 ED1: Fibre optic interconnecting devices and passive components performance standard - Part 111-07: Sealed closures for category A - Aerial, 04/30/2021

86B/4409(F)/CDV, IEC 61753-111-09 ED1: Fibre optic interconnecting devices and passive components performance standard - Part 111-09: Sealed closures for category S - Subterranean, 04/30/2021

86B/4413/CDV, IEC 61753-131-03 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 131-3: Single-mode mechanical fibre splice for category OP - Outdoor Protected environment, 05/07/2021

96/499/FDIS, IEC 61558-2-1 ED3: Safety of transformers, reactors, power supply units and combinations thereof - Part 2-1: Particular requirements and tests for separating transformers and power supplies incorporating separating transformers for general applications, 03/26/2021

106/534/CD, IEC TR 63377 ED1: Procedures for the assessment of human exposure to electromagnetic fields from radiative wireless power transfer systems - measurement and numerical simulation methods (Frequency range of 30 MHz to 300 GHz), 05/07/2021

110/1293/CD, IEC 63145-1-2 ED1: Eyewear display - Part 1-2: Generic - Terminology, 04/09/2021

112/520/DTR, IEC TR 62039 ED2: Selection guide for polymeric materials for outdoor use under HV stress, 04/09/2021

121A/406(F)/FDIS, IEC 60947-9-2 ED1: Low-voltage switchgear and controlgear - Part 9-2: Active arc-fault mitigation systems - Optical-based internal arc-detection and mitigation devices, 02/26/2021

124/136(F)/FDIS, IEC 63203-201-3 ED1: Wearable electronic devices and technologies - Part 201-3: Electronic textile - Determination of electrical resistance of conductive textiles under simulated microclimate, 03/12/2021

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

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 24090:2021, Dried barberry - Specification and test methods, $48.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO 23748/Amd1:2021, Aerospace series - O-ring grooves - Dimensions - Amendment 1, $20.00

ISO 20893:2021, Space systems - Detailed space debris mitigation requirements for launch vehicle orbital stages, $73.00

ISO 22181:2021, Aerospace fluid systems and components - Variable displacement hydraulic motors - General specifications, $200.00

CLEANROOMS AND ASSOCIATED CONTROLLED ENVIRONMENTS (TC 209)

ISO 14644-17:2021, Cleanrooms and associated controlled environments - Part 17: Particle deposition rate applications, $149.00

DOCUMENTS AND DATA ELEMENTS IN ADMINISTRATION, COMMERCE AND INDUSTRY (TC 154)

ISO 15000-1:2021, Electronic business eXtensible Markup Language (ebXML) - Part 1: Messaging service core specification, $250.00

ISO 15000-2:2021, Electronic business eXtensible Markup Language (ebXML) - Part 2: Applicability Statement (AS) profile of ebXML messaging service, $225.00

FERTILIZERS AND SOIL CONDITIONERS (TC 134)

ISO 22145:2021, Fertilizers and soil conditioners - Mineral soil amendments - Determination of total calcium and magnesium content, $48.00

FIREWORKS (TC 264)

ISO 22863-6:2021, Fireworks - Test methods for determination of specific chemical substances - Part 6: Zirconium with a particle size of less than 40 µm by inductively coupled plasma optical emission spectrometry (ICP-OES), $73.00

ISO 22863-7:2021, Fireworks - Test methods for determination of specific chemical substances - Part 7: Chlorates content by chemical titration analysis, $48.00

ISO 22863-8:2021, Fireworks - Test methods for determination of specific chemical substances - Part 8: Arsenic content by hydride generation atomic fluorescence spectrometry, $73.00

ISO 22863-10:2021, Fireworks - Test methods for determination of specific chemical substances - Part 10: Nitrogen content in nitrocellulose by iron(II) sulfate titration, $73.00

MECHANICAL TESTING OF METALS (TC 164)

ISO 12004-2:2021, Metallic materials - Determination of forming-limit curves for sheet and strip - Part 2: Determination of forming-limit curves in the laboratory, $175.00

MICROBEAM ANALYSIS (TC 202)

ISO 15632:2021, Microbeam analysis - Selected instrumental performance parameters for the specification and checking of energy-dispersive X-ray spectrometers (EDS) for use with a scanning electron microscope (SEM) or an electron probe microanalyser (EPMA), $111.00

MINING (TC 82)

ISO 23875:2021, Mining - Air quality control systems for operator enclosures - Performance requirements and test methods, $149.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO 14132-3:2021, Optics and photonics - Vocabulary for telescopic systems - Part 3: Terms for telescopic sights, $48.00

ISO 14135-1:2021, Optics and photonics - Specifications for telescopic sights - Part 1: General-purpose instruments, $73.00

ISO 14135-2:2021, Optics and photonics - Specifications for telescopic sights - Part 2: High-performance instruments, $73.00

ISO 14490-10:2021, Optics and photonics - Test methods for telescopic systems - Part 10: Test methods for axial colour performance, $48.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO 17420-6:2021, Respiratory protective devices - Performance requirements - Part 6: Special application escape - Filtering RPD and supplied breathable gas RPD, $175.00

ISO 17420-7:2021, Respiratory protective devices - Performance requirements - Part 7: Special application marine, mining, welding, and abrasive blasting - Filtering RPD and supplied breathable gas RPD, $175.00

PLAIN BEARINGS (TC 123)

ISO 12167-2:2021, Plain bearings - Hydrostatic plain journal bearings with drainage grooves under steady-state conditions - Part 2: Characteristic values for the calculation of oil-lubricated plain journal bearings with drainage grooves, $73.00

PLASTICS (TC 61)

ISO 11357-4:2021, Plastics - Differential scanning calorimetry (DSC) - Part 4: Determination of specific heat capacity, $73.00

ISO 24024-1:2021, Plastics - Homopolymer and copolymer resins of vinyl chloride - Part 1: Designation system and basis for specifications, $73.00

ISO 24024-2:2021, Plastics - Homopolymer and copolymer resins of vinyl chloride - Part 2: Preparation of test samples and determination of properties, $48.00

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

ISO 11296-4/Amd1:2021, Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 4: Lining with cured-in-place pipes - Amendment 1: Updated definitions, marking requirements and procedure for alternative expression of flexural test results, $20.00

POWDER METALLURGY (TC 119)

ISO 28080:2021, Hardmetals - Abrasion tests for hardmetals, $111.00

ROAD VEHICLES (TC 22)

ISO 6969/Amd1:2021, Road vehicles - Sound signalling devices - Tests after mounting on vehicle - Amendment 1, $20.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 6914:2021, Rubber, vulcanized or thermoplastic - Determination of ageing characteristics by measurement of stress relaxation in tension, $73.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 15364:2021, Ships and marine technology - Pressure-vacuum valves for cargo tanks and devices to prevent the passage of flame into cargo tanks, $175.00

SMALL CRAFT (TC 188)

ISO 12133:2021, Small craft - Carbon monoxide (CO) detection systems and alarms, $111.00

SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

ISO 20957-6:2021, Stationary training equipment - Part 6: Treadmills, additional specific safety requirements and test methods, $111.00

STEEL (TC 17)

ISO 23475-1:2021, Testing method for steel tyre cord - Part 1: General requirements, $149.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO 24627-3:2021, Language resource management - Comprehensive Annotation Framework (ComAF) - Part 3: Diagrammatic semantic authoring (DSA), $73.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO 14819-3:2021, Intelligent transport systems - Traffic and travel information messages via traffic message coding - Part 3: Location referencing for Radio Data System-Traffic Message Channel (RDS-TMC) using ALERT-C, $225.00

ISO Technical Reports

FLUID POWER SYSTEMS (TC 131)

ISO/TR 4813:2021, Hydraulic fluid power - Background, impact and use of ISO 11171:2020 on particle count and filter test data, $149.00

HEALTH INFORMATICS (TC 215)

ISO/TR 11633-2:2021, Health informatics - Information security management for remote maintenance of medical devices and medical information systems - Part 2: Implementation of an information security management system (ISMS), $225.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/TR 21808:2021, Guidance on the selection, use, care and maintenance of personal protective equipment (PPE) designed to provide protection for firefighters, $225.00

ISO/IEC Guides

OTHER

ISO/IEC Guide 98-6:2021, Uncertainty of measurement - Part 6: Developing and using measurement models, $250.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 14165-147:2021, Information technology - Fibre channel - Part 147: Physical interfaces - 7 (FC-PI-7), $200.00

IEC Standards

AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT (TC 100)

IEC 62680-1-3 Ed. 4.0 b:2021, Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-C® Cable and Connector Specification, $443.00

IEC 60728-13-1 Ed. 2.0 b:2017, Cable networks for television signals, sound signals and interactive services - Part 13-1: Bandwidth expansion for broadcast signal over FTTH system, $392.00

FIBRE OPTICS (TC 86)

IEC 60793-2-70 Ed. 1.0 b:2017, Optical fibres - Part 2-70: Product specifications - Sectional specification for polarization-maintaining fibres, $133.00

IEC 61300-2-14 Ed. 4.0 b:2021, Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-14: Tests - High optical power, $133.00

S+ IEC 61300-2-14 Ed. 4.0 en:2021 (Redline version), Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-14: Tests - High optical power, $173.00

INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL (TC 65)

IEC 60584-3 Ed. 3.0 b:2021, Thermocouples - Part 3: Extension and compensating cables - Tolerances and identification system, $51.00

IEC 61784-3 Ed. 4.0 b:2021, Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions, $417.00

IEC 61158-5-2 Ed. 4.0 b:2019, Industrial communication networks - Fieldbus specifications - Part 5-2: Application layer service definition - Type 2 elements, $443.00

MARITIME NAVIGATION AND RADIOCOMMUNICATION EQUIPMENT AND SYSTEMS (TC 80)

IEC 61924-2 Ed. 2.0 b:2021, Maritime navigation and radiocommunication equipment and systems - Integrated navigation systems (INS) - Part 2: Modular structure for INS - Operational and performance requirements, methods of testing and required test results, $417.00

S+ IEC 61924-2 Ed. 2.0 en:2021 (Redline version), Maritime navigation and radiocommunication equipment and systems - Integrated navigation systems (INS) - Part 2: Modular structure for INS - Operational and performance requirements, methods of testing and required test results, $543.00

TERMINOLOGY (TC 1)

IEC 60050-801 Amd.3 Ed. 2.0 b:2021, Amendment 3 - International Electrotechnical Vocabulary (IEV) - Part 801: Acoustics and electroacoustics, $13.00

Accreditation Announcements (U.S. TAGs to ISO)

Approval of Accreditation – U.S. TAG to ISO

U.S. Technical Advisory Group to ISO TC 328, Engineered stones

Effective February 11, 2021

ANSI's Executive Standards Council (ExSC) has formally approved the accreditation of the U.S. Technical Advisory Group to ISO TC 328, Engineered stones and the appointment of ANSI (with funding support from the International Masonry Institute) as TAG Administrator, effective February 11, 2021. The TAG will operate under the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures. For additional information, please contact: Ms. Sally Seitz, Sr. Manager, ISO Team, ANSI, 25 West 43rd Street, 4th Floor, New York, NY 10036; phone: 212.642.4918; email; SSeitz@ANSI.org

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 118/SC 3 – Pneumatic tools and machines

ANSI has been informed that the Compressed Air & Gas Institute (CAGI), the ANSI-accredited U.S. TAG Administrator for ISO/TC 118 - Compressors and pneumatic tools, machines and equipment, wishes to relinquish their role as U.S. TAG Administrator of ISO/TC 118/SC 3 – Pneumatic tools and machines. (CAGI will retain the U.S. TAG Administrator role for ISO/TC 118.)

ISO/TC 118/SC 3 operates under the following scope:

Standardization in the field of pneumatic tools and machines.
Exception: Pneumatic tool shanks and tool fitting dimensions as they fall within the scope of ISO/TC 29.
Note: Definitions of hydraulic tools and machines are included.

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

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Assistance Dogs

Comment Deadline: February 26, 2021

NEN, the ISO member body for [Netherlands], has submitted to ISO a proposal for a new field of ISO technical activity on Assistance Dogs, with the following scope statement:
Standardization in the field of assistance dogs focused on, but not limited to:

- terminology
- health and welfare
- breeding and puppy development
- training
- client services
- assistance dog professionals
- conformity assessment, and
- accessibility

Assistance dogs are specifically trained to perform tasks to increase independence and to mitigate limitations of a person with a disability.
Excluded are:

- dogs that offer only emotional support and/or comfort (i.e. emotional support dogs)
- dog assisted interventions such as facility dogs or dog assisted therapy
- other kinds of working dogs such as herding dogs, police dogs, search & rescue dogs

Background information:
An assistance dog is permanently paired with a person with a disability to perform on a one-to-one basis tasks to mitigate the limitations of this person.
Please note that 'assistance dog' is the umbrella term. Examples of assistance dogs (in alphabetical order) are autism assistance dogs, developmental disorder assistance dogs, diabetes assistance dogs, guide dogs, hearing dogs, medical alert/response assistance dogs, mobility assistance dogs, PTSD assistance dogs, seizure assistance dogs.
In some countries, an assistance dog is referred to as a service dog.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, February 26, 2021.

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 (isot@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.

New Secretariats

ISO/TC 96/SC 6 - Mobile Cranes

Comment Deadline: March 12. 2021

The Association of Equipment Manufacturers (AEM) has requested to delegate the responsibilities of the administration of the ISO/TC 96/SC 6 secretariat to ANSI. The secretariat was previously held by the American Society of Mechanical Engineers (ASME) and the secretariat transfer is supported by the U.S. TAG.

ISO/TC 96/SC 6 operates under the following scope:

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

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

Call for Members (USNC)

International Electrotechnical Committee

USNC TAG to IEC/Syc Smart Manufacturing

The USNC Technical Management Committee would like to grow the membership of the USNC Technical Advisory Group (TAG) to IEC/SyC Smart Manufacturing (SM). The current USNC TAG Officers are Technical Advisor Kirk Anderson (NEMA) and Secretary David Richmond (NEMA). Individuals who are interested in joining the USNC TAG to IEC/SyC SM are invited to contact Ade Gladstein at agladstein@ansi.org.

Please see the scope for IEC/SyC SM below:

Scope

To provide coordination and advice in the domain of Smart Manufacturing to harmonize and advance Smart Manufacturing activities in the IEC, other SDOs and Consortia according to clause 2 in AC/22/2017 superseded by the AC/17/2018.

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.

B30.18-20XX

(Proposed revision of ASME B30.18-2016)

Stacker Cranes
(Top or Under Running Bridge, Multiple Girder With Top or Under Running Trolley Hoist)
January 2021 Draft Revisions

FOREWORD

This American National Standard, Safety Standard for Cableways, Cranes, Derricks, Hoists, Hooks, Jacks, and Slings, has been developed under the procedures accredited by the American National Standards Institute (ANSI). This Standard had its beginning in December 1916 when an eight-page "Code of Safety Standards for Cranes," prepared by an ASME Committee on the Protection of Industrial Workers, was presented at the annual meeting of the ASME.

Meetings and discussions regarding safety on cranes, derricks, and hoists were held from 1920 to 1925, involving the ASME Safety Code Correlating Committee, the Association of Iron and Steel Electrical Engineers, the American Museum of Safety, the American Engineering Standards Committee (AESC) [later changed to American Standards Association (ASA), then to the United States of America Standards Institute (USASI), and finally to ANSI], Department of Labor – State of New Jersey, Department of Labor and Industry – State of Pennsylvania, and the Locomotive Crane Manufacturers Association. On June 11, 1925, AESC approved the ASME Safety Code Correlating Committee's recommendation and authorized the project with the U.S. Department of the Navy, Bureau of Yards and Docks, and ASME as sponsors.

In March 1926, invitations were issued to 50 organizations to appoint representatives to a Sectional Committee. The call for organization of this Sectional Committee was sent out October 2, 1926, and the committee organized November 4, 1926, with 57 members representing 29 national organizations. Commencing June 1, 1927, and using the eight-page code published by ASME in 1916 as a basis, the Sectional Committee developed the "Safety Code for Cranes, Derricks, and Hoists." The early drafts of this safety code included requirements for jacks but, due to inputs and comments on those drafts, the Sectional Committee decided in 1938 to make the requirements for jacks a separate code.

In January 1943, ASA B30.2-1943 was published addressing a multitude of equipment types and in August 1943, ASA B30.1-1943 was published addressing just jacks. Both documents were reaffirmed in 1952 and widely accepted as safety standards.

Due to changes in design, advancement in techniques, and general interest of labor and industry in safety, the Sectional Committee, under the joint sponsorship of ASME and the Bureau of Yards and Docks (now the Naval Facilities Engineering Command) was reorganized on January 31, 1962, with 39 members representing 27 national organizations. The new committee changed the format of ASA B30.2-1943 so that the multitude of equipment types it addressed could be published in separate volumes that could completely cover the construction, installation, inspection, testing, maintenance, and operation of each type of equipment that was included in the scope of ASA B30.2. This format change resulted in the initial publication of B30.3, B30.5, B30.6, B30.11, and B30.16 being designated as revisions of B30.2 with the remainder of the B30 volumes being published as totally new volumes. ASA changed its name to USASI in 1966 and to ANSI in 1969, which resulted in B30 volumes from 1943 to 1968 being designated as either "ASA B30," "USAS B30," or "ANSI B30" depending on their date of publication.

In 1982, the Committee was reorganized as an Accredited Organization Committee, operating under procedures developed by ASME and accredited by ANSI. This Standard presents a coordinated set of rules that may serve as a guide to government and other regulatory bodies and municipal authorities responsible for the guarding and inspection of the equipment falling within its scope. The suggestions leading to accident prevention are given both as mandatory and advisory provisions; compliance with both types may be required by employers of their employees.

In case of practical difficulties, new developments, or unnecessary hardship, the administrative or regulatory authority may grant variances from the literal requirements or permit the use of other devices or methods, but only when it is clearly evident that an equivalent degree of protection is thereby secured. To secure uniform application and interpretation of this Standard, administrative or regulatory authorities are urged to consult the B30 Committee, in accordance with the format described in Section IX of the introduction, before rendering decisions on disputed points.

Safety codes and standards are intended to enhance public safety. Revisions result from committee consideration of factors such as technological advances, new data, and changing environmental and industry needs. Revisions do not imply that previous editions were inadequate.

The first edition of B30.18 was issued in 1987, and new editions were published in 1993, 1998, 2004, and 2011. The 2016 Edition includes revisions to add personnel competence requirements, revised definitions and references, updated inspection and testing requirements, and revised operator responsibilities. This 2021 edition contains revisions to translations

This Edition of the B30.18 volume was approved by the B30 Committee and by ASME, and was approved by ANSI and designated as an American National Standard on TBD.

Standard: B30-18 Stacker Cranes (Top or Under Running Bridge, Multiple Girder With Top or Under Running Trolley)

Proposed changes (per Global Change 2016-2)

SECTION 18-0.2 DEFINITIONS

Section 18-0.2.2 General

original language(s): language(s) used by the manufacturer to develop product instructions and manual(s).

~~**SECTION 18-1.1.4 Translations of Safety-Related Information and Control Designations**~~
~~*(a)* Translation of non-English documentation into English~~
~~*(1)* The wording of written non-English safety information and manuals regarding use, inspection, and maintenance shall be translated into English by professional translation industry standards, which include, but are not limited to~~
~~*(-a)* translation of the complete paragraph message, instead of word by word~~
~~*(-b)* grammatically accurate~~
~~*(-c)* respectful of the source document content without omitting or expanding the text~~
~~*(-d)* translation of the terminology with accuracy~~
~~*(-e)* reflection of the level of sophistication of the original document~~
~~*(2)* The finished translation shall be verified for compliance with paras. 18-1.1.4(a)(1)(-a) through 18-1.1.4(a)(1)(-e), by a qualified person having an understanding of the technical content of the subject matter.~~
~~*(3)* Pictograms used to identify controls shall be described in the manuals. The pictograms should comply with ISO 7000, ISO 7296, or other recognized sources, if previously defined. The text of the description shall meet the criteria of paras. 18-1.1.4(a)(1) and 18-1.1.4(a)(2).~~
~~*(b)* Any non-English documentation provided in addition to English shall be translated and reviewed in accordance with the requirements listed above.~~

SECTION 18-1.1.4 Technical and Safety-Related Information

The manufacturer shall provide instructions [manual(s)] for the operation, inspection, testing, maintenance, assembly and disassembly of the equipment.
(a) The instructions shall be provided in a language specified by the purchaser at the time of the initial sale by the manufacturer.
(b) Pictograms used to identify controls shall be described in the instructions. The pictograms should comply with ISO 7000, ISO 7296, or other recognized source, if previously defined.
(c) Translations of the original language instructions ~~[if the manufacturer no longer exists, translation of the instructions with the machine is acceptable]~~ shall meet professional translation industry standards, which include, but are not limited to, the following:
(1) translating the complete paragraph message, instead of word by word
(2) ensuring grammatical accuracy

(3) preserving the source document content without omitting or expanding the text
(4) translating the terminology accurately
(5) reflecting the level of sophistication of the original document
(d) The finished translation shall be verified for compliance with paragraphs (c)(1) through (c)(5) by a qualified person having an understanding of the technical content of the subject matter.

SECTION 18-2.5 Translation of Technical and Safety-Related Information and Manual(s).
The entities responsible for the inspection and maintenance of the covered equipment shall have the technical and safety-related information available in a language that their employees can read and understand. If the information is not available in a language understood by their employees, the entities shall obtain a translation of the original manufacturer's written safety information and manuals from the manufacturer or from a translation service provider. The translation(s) shall meet the requirements of Section 18-1.1.4 (c) and (d).

SECTION 18-3.1.4 Translation of Technical and Safety-Related Information and Manual(s).
The entities responsible for the operation and use, of the covered equipment shall have the technical and safety-related information available in a language that their employees can read and understand. If the information is not available in a language understood by their employees, the entities shall obtain a translation of the original manufacturer's written safety information and manuals from the manufacturer or from a translation service provider. The translation(s) shall meet the requirements of Section 18-1.1.4 (c) and (d).

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

NSF/ANSI International Standard
for Food Equipment —

Commercial cooking, rethermalization, and powered hot food holding and transport equipment

.
.
.

5 Design and construction

.
.
.

5.49 Open heated merchandisers

5.49.1 Open heated merchandisers designed to operate in a reduced energy mode shall be constructed with an indicator to signify when the equipment is operating in the reduced energy mode. An indicator shall be provided for each independently heated zone that is visible to the user upon installation of the equipment. All indicators shall be clearly visible to the user after installation of the equipment.

5.49.2 Open heated merchandisers capable of operating in a reduced energy mode using sensors to detect the presence of a food load, shall indicate where food must be placed during operation.

***Rationale**: NSF/ANSI Standard 4 does not currently address the potential food safety concerns of a sensor malfunction when potentially hazardous food is placed in/on reduced energy type of Hot Food Equipment. This new section language was constructed to address the need for the presence of an indicator as well as indicating the location of the food holding area under operation.*

.
.
.

6.7 Open heated merchandisers

6.7.2 Test method

6.7.2.1 The performance of open heated merchandisers shall be evaluated within a test chamber maintained under the following conditions for the duration of the test:

— ambient temperature of 73 ± 3 °F (23 ± 2 °C) as measured approximately 10 in (250 mm) from the test unit and 36 in (914 mm) from the floor; and

— no vertical temperature gradient exceeding 1.5 ºF per foot (2.5 ºC per meter); and

— no air currents with velocities greater than 50 ft/min (15.2 m/min) across the surfaces of the test containers.

6.7.2.2 The test unit shall be preheated in accordance with the manufacturer's operating instructions before the unit is loaded. If the test unit is designed to automatically operate in a reduced energy mode until food is placed in the unit, the unit shall be preheated in the low energy mode. If the temperature for the low energy mode is not preprogrammed, the manufacturer's operating manual shall be reviewed to determine the lowest recommended setting specified. The test unit shall be loaded with samples of test media prepared and conditioned in accordance with Annex A, Section A.3, including proper thermocouple placement. The time required to transfer a single sample from the oven/holding cabinet to the test unit shall not exceed 5 min. Care should be taken to limit the disturbance of the test media during transfer of test sample containers.

The test unit shall be loaded with five test sample containers in an "x" pattern according to Figure 10 or as close as possible to that configuration if space or the shape of the unit limits the placement of test sample containers. In square or rectangular merchandiser units, the sample containers shall be placed 1.0 in (25 mm) from each side of a corner with the broadest side of the container aligned in parallel with the longer of the unit sides. For round, octagonal, or other merchandiser units, the sample containers shall be placed in the units so that the corners of the broadest side of a test sample container are 1.0 in (25 mm) from the side of the unit. If the unit has a center support or other obstruction, the center test sample shall be placed as close to the geometric center as possible with the broadest part of the test sample 1.0 in (25 mm) from the support or obstruction.

***Rationale**: This new language was added to the current test method to include the open heated merchandisers with sensors that are activated when the operating area of the reduced energy mode equipment is loaded with food product.*

.
.
.

6.8 Open heated merchandisers with a reduced energy mode and sensors - sensor activation

Open heated merchandisers capable of operating in a reduced energy mode shall include a sensor which sends a signal to activate the heat source as intended when a food load is placed in the path of the sensor and receiver.

6.8.2 Test method

6.8.2.1 The test shall be performed with or without using the test media prepared in Section A.3. Thermocouples shall not be present and preheating of the media is not required. If the test unit is designed to automatically operate in a reduced energy mode until food is placed in the unit, the unit shall be preheated in the low energy mode. If the temperature for the low energy mode is not preprogrammed, the manufacturer's operating manual shall be reviewed to determine the lowest recommended setting specified.

6.8.2.2 A food load shall be placed in the center of the path of a sensor. It will then be confirmed that the heating element energizes as intended in response to the presence of the food load. The heating element shall remain energized for at least two minutes. After two minutes, remove the food load and allow the unit to cycle off the heat source for five minutes. It must be confirmed that the reduced energy mode indicator turns on during this time.

6.8.2.3 Each sensor shall be examined three times according to Section 6.8.3, using the food load in Section A.3.

6.8.2.4 Using two samples of the food load prepared in Section A.3, position the samples between the same two sensors so that the long sides of the samples are parallel to the path of the sensor. The two samples shall be inserted so that they are pushed together from their outside edges so that they converge roughly in the center of the path of the sensor. Confirm that the heating element energizes as intended in response to the presence of the food load. The heating element shall remain energized for at least 2 min. After 2 min, remove the food load and allow the unit to cycle off the heat source for 5 min.

6.8.2.5 Each sensor shall be examined three times according to 6.8.3.

6.8.3 Acceptance criteria

For each heated zone, the heat source shall energize within 15 s of the food being loaded and remain energized as intended for at least 2 min. When the food load is removed from the path of the sensors, it must be confirmed that the reduced energy mode indicator was activated within 5 min of the food load being removed from the unit.

***Rationale**: This new sub-section was added to the performance section 6 to specify characteristics exclusive to open heated merchandisers with energy conserving modes. This section clarifies the importance of the location of the food load, as well as the operation of the sensor itself.*

Tracking number 60i94r1
© 2021 NSF International

Revision to NSF/ANSI/CAN 60-2020
Issue 94 Revision 1 (February 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/CAN Standard
for Drinking Water Additives –

Drinking Water Treatment Chemicals – Health Effects

6 Disinfection and oxidation chemicals

•
•
•

Table 6.2
Disinfection and oxidation products – Product identification, and evaluation

Chemical type (primary use)	Synonyms	Formula (CAS number)	Molecular weight (g)	Preparation method	Typical use level (mg/L)[1]	Minimum test batteries of chemistry-specific analyses[2]
ammonia, anhydrous[3] (disinfection & oxidation)	ammonia gas	NH_3 (7664-41-7)	17.0	Method E, Annex N-1, Section N-1.3.6	5	metals,[4] VOCs
ammonium hydroxide (disinfection & oxidation)	liquid ammonia	NH_4OH (1336-21-6)	35.0	Method B, Annex N-1, Section N-1.3.3	10	metals[4]
ammonium sulfate (disinfection & oxidation)	dry ammonia	$(NH_4)_2SO_4$ (7783-20-2)	132.0	Method A,	25	metals[4]

Table 6.2
Disinfection and oxidation products – Product identification, and evaluation

Chemical type (primary use)	Synonyms	Formula (CAS number)	Molecular weight (g)	Preparation method	Typical use level (mg/L)[1]	Minimum test batteries of chemistry-specific analyses[2]
				Annex N-1, Section N-1.3.2		
bromochlorodimethylhydantoin (disinfection & oxidation)	BCDMH	$C_5H_6BrClN_2O_2$ (16079-88-2 & 126-06-7)	241.5	Method A, Annex N-1, Section N-1.3.2	9[5]	VOCs
calcium hypochlorite[6] (disinfection & oxidation)	—	$Ca(OCl)_2$ (7778-54-3)	143.1	Method A; Annex N-1, Section N-1.3.2	10[13]	metals,[4] VOCs, bromate, chlorate, perchlorate
chlorine[7] (disinfection & oxidation)	chlorine gas	Cl_2 (7782-50-5)	71.0	Method E, Annex N-1, Section N-1.3.6	10[8]	VOCs
chlorine dioxide (disinfection & oxidation)	—	ClO_2 (10049-04-4)	67.45	Method A, Annex N-1, Section N-1.3.2	1.4	metals,[4] VOCs
hydrogen peroxide (disinfection & oxidation)	—	H_2O_2 (7722-84-1)	34.0	Method A, Annex N-1, Section N-1.3.2	23[9]	metals,[4] VOCs
iodine[10] (disinfection & oxidation)	—	I_2 (7553-56-2)	254.0	Method A, Annex N-1, Section N-1.3.2	1	metals[4]
potassium permanganate (oxidation)	permanganate	$KMnO_4$ (7722-64-7)	158.0	Method B,	15	metals[4]

Table 6.2
Disinfection and oxidation products – Product identification, and evaluation

Chemical type (primary use)	Synonyms	Formula (CAS number)	Molecular weight (g)	Preparation method	Typical use level (mg/L)[1]	Minimum test batteries of chemistry-specific analyses[2]
				Annex N-1, Section N-1.3.3		
sodium chlorate[11] (chlorine dioxide production)	—	$NaClO_3$ (7775-09-9)	106.5	Method A, Annex N-1, Section N-1.3.2	8	metals,[4] VOCs, perchlorate
sodium chlorite[11] (chlorine dioxide production)	—	$NaClO_2$ (7758-19-2)	90.5	Method A, Annex N-1, Section N-1.3.2	7	metals,[4] VOCs
sodium dichloroisocyanurate (disinfection & oxidation)	—	$C_3HCL_2N_3O_3$ Na (2893-78-9)	219.9	Method B Annex N-1 Section N-1.3.3	30[14]	VOCs, formaldehyde
sodium hypochlorite[6,12] (disinfection & oxidation)	liquid bleach	NaOCl (7681-52-9)	74.5	Method B, Annex N-1, Section N-1.3.3	10[13]	metals,[4] VOCs, bromate, chlorate, perchlorate
sodium permanganate (oxidation)	—	MnO_4.Na (10101-50-5)	141.9	Method B Annex N-1 Section N-1.3.3	14	Metals[3], fluoride
trihloroisocyanuric acid (disinfection & oxidation)	—	$C_3Cl_3N_3O_3$ (87-90-1)	232.4	Method B Annex N-1 Section N-1.3.3	30[14]	VOCs, formaldehyde

[1] The typical use level is an application level that has been used historically in water treatment. The typical use level is not the maximum use level (MUL) for the product, except where specifically stated.

[2] Analysis for all chemistry-specific analytes in these minimum test batteries shall be performed each time the product is evaluated. Analysis shall also include formulation-dependent analytes as identified during formulation review. Testing for specific repackages, blends, or dilutions of previously certified products may be waived.

Table 6.2
Disinfection and oxidation products – Product identification, and evaluation

Chemical type (primary use)	Synonyms	Formula (CAS number)	Molecular weight (g)	Preparation method	Typical use level (mg/L)[1]	Minimum test batteries of chemistry-specific analyses[2]

[3] Testing on anhydrous ammonia products may be bracketed based on the testing of ammonium hydroxide (aqua ammonia), if the aqua ammonia solution is prepared with the same respective anhydrous ammonia product.

[4] Metals = antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, selenium, and thallium.

[5] Based on mg of dry chemical and a bromochlorodimethylhydantoin SPAC of 9 mg/L.
[6] Hypochlorite products shall include the appropriate statement in product literature, per the requirements of Sections 6.3.2, and 6.3.3

[7] Chlorine products may be bracketed based on testing of sodium hypochlorite bleach, prepared from the same chlorine source, or annual analysis may alternate between the chlorine and sodium hypochlorite product.

[8] Equivalent to 10 mg/L of Cl_2, on a dry basis. Use levels up to 30 mg/L of Cl_2 may be acceptable for short-term applications such as shock chlorination and disinfection of new installations. The residual level of chlorine in the treated water is to be compliant with the applicable state or federal requirement.

[9] The 23 mg/L value in the typical use level column represents the MUL based on a 35% hydrogen peroxide solution and a hydrogen peroxide SPAC of 8 mg/L. The MUL for other concentrations of hydrogen peroxide can be derived in the same manner.

[10] Iodine disinfection is acceptable for short-term or emergency use, but it is not recommended for long-term or routine community water supply application.

[11] Sodium chlorate and sodium chlorite are used for on-site production of chlorine dioxide in drinking water disinfection. These chemicals are reactants and require mixing with a second chemical to produce chlorine dioxide. These chemicals are generally not approved for unaltered addition to drinking water. Use for other applications will require additional analyses for testing.

[12] When all certified ingredients are used, testing for this chemical may be alternated every other year.

[13] Equivalent to 10 mg/L of Cl_2, on a dry basis. The residual level of chlorine in the treated water is to be compliant with the applicable state or federal requirement.

[14]. The 30 mg/L value in the typical use level column represents the MUL based on an anhydrous solid and a SPAC of 20 mg/L for isocyanuric acid.

Rationale: Added sodium dichloroisocyanurate, trihloroisocyanuric acid and sodium permanganate per 2020 DWA-TC JC meeting discussion (December 8, 2020)

Tracking number 61i158r1
© 2021 NSF International

Revision to NSF/ANSI/CAN 61-2020
Issue 158 Revision 1 (February 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 Drinking Water Additives –

Drinking Water System Components – Health Effects

•
•
•

2 Definitions

•
•
•

2.5 diluted surface area (DSA): The surface area / volume ratio of a product, component, or material calculated using its actual wetted surface area, the field static and/or field flow volumes directed by the standard for the end use for which the product is being evaluated. The calculation shall use the normalization equation specific to that end use. The values for lab surface area and lab volume in the normalization equation shall be entered as 1 for the purposes of this determination causing the DSA ratio to equal the calculated NF factor. The volume of chemical generated or water treated shall be for a 24 h period.

Example calculation: For a component of a chemical generator that has an actual surface area of 5 in^2 and the unit treats a minimum daily water volume of 500,000 L/d (refer to Annex N-1 for definition of normalization terms):

$$\text{DSA}\left(\frac{\text{in}^2}{\text{L}}\right) = \text{NF} = \text{N1} \times \text{N2} \times \text{N4} = \frac{SA_F}{SA_L} \times \frac{V_L}{V_{F(static)}} \times \frac{V_{F(static)}}{V_{F(flowing)}} \times \frac{V_{TC}}{V_{WT}} = \frac{5}{1} \times \frac{1}{500{,}000} = 0.00001\ \frac{\text{in}^2}{\text{L}}$$

Where:

SA_F = surface area exposed in the field

SA_L = 1 (per DSA definition)

V_L = 1 (per DSA definition)

$V_{F(static)}$ = cancels out of the equation for this example

$V_{F(flowing)}$ = V_{TC} and the two cancel out of the equation in this example (i.e., the volume of solution leaving the chemical generator [$V_{F(flowing)}$] is the same as that being used to treat the water [V_{TC}])

V_{WT} = volume of raw water treated with the concentrated chemical when dosed at the prescribed feed rate during a 24 h period.

•
•
•

3 General requirements

•
•
•

3.3 Identification of analytes

•
•
•

3.3.2 Established minimum test batteries

The materials listed in Table 3.1 or Table 3.2 shall be tested for the indicated analyses and any formulation-dependent analyses identified during the formulation-dependent analyte selection. Products, components, or materials made exclusively from materials in Table 3.1 shall not require testing if:

— their DSA-to-volume ratio in the application is ≤ 0.001 in^2/L or 0.0001 in^2/L for static or flowing conditions respectively, or

— the material is uncoated concrete for use in a water storage structure of 1.33×10^6 L (0.35×10^6 gal) or greater and any admixtures used have been evaluated to this Standard and found compliant within the use levels in the concrete, or

— the material is uncoated concrete or for use in applications with a DSA-to-volume ratio less than or equal to 0.8 in^2/L or 0.08 in^2/L for static or flowing conditions respectively, and any admixtures used have been evaluated to this Standard and found compliant within the use levels in the concrete; or

NOTE — The addition of the criteria for concrete water storage structures is in recognition of the diminishing value of investigations on those with high volumes (low surface area-to-volume ratios) where admixtures have seprately been verified as compliant with this Standard and the water storage structure is seperately monitored for regulated contamaminants including radionuclides.

•
•
•

Rationale: Added units of measure (in^2/L) under first bullet point of 3.3.2 to be consistent with the definition under 2.5 and the third bullet point under 3.3.2.

BSR/UL 2703, Standard for Safety for Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules

1. Clarification to Bonding and Grounding Requirements Related to Module Removal in 9.1 and 9.2

9.2 Routine maintenance of a PV module or mounting system, e.g. inspection or cleaning, shall not involve breaking or disturbing the bonding path of the system. ~~Exception: T~~ If the removal of a module may break or disrupt the bonding path of the system, ~~if~~ the installation manual ~~complies~~ shall comply with 26.10.