

CONTENTS

American National Standards

Project Initiation Notification System (PINS)	2
Call for Comment on Standards Proposals	17
Final Actions - (Approved ANS)	32
Call for Members (ANS Consensus Bodies).....	34
American National Standards Announcements.....	39
Accreditation Announcements (Standards Developers).....	40
Meeting Notices (Standards Developers)	41
American National Standards (ANS) Process	42
ANS Under Continuous Maintenance	43
ANSI-Accredited Standards Developer Contact Information.....	44

International Standards

ISO and IEC Draft Standards.....	47
ISO and IEC Newly Published Standards	51
International Organization for Standardization (ISO)	53

Registration of Organization Names in the United States

54

Proposed Foreign Government Regulations

55

Project Initiation Notification System (PINS)

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

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

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

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10 | Annapolis, MD 21403 www.abycinc.org

Contact: Sara Moulton; smoulton@abycinc.org

Revision

BSR/ABYC H-30-202x, Hydraulic Systems (revision of ANSI/ABYC H-30-2017)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This standard addresses safety issues for all boats equipped with hydraulic systems.

Scope: This standard is a guide for the design, construction, installation, operation, and control of hydraulic components and systems used to transmit force.

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10 | Annapolis, MD 21403 www.abycinc.org

Contact: Sara Moulton; smoulton@abycinc.org

Revision

BSR/ABYC H-35-202x, Powering and Load Capacity of Pontoon Boats (revision of ANSI/ABYC H-35-2017)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This standard addresses safety factors for powering and load capacity of pontoon boats.

Scope: This standard is a guide for determining powering and load capacity of pontoon boats. This standard applies to all pontoon boats powered by machinery.

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10 | Annapolis, MD 21403 www.abycinc.org

Contact: Sara Moulton; smoulton@abycinc.org

Revision

BSR/ABYC H-37-202x, Jet Boats - Light Weight (revision of ANSI/ABYC H-37-2017)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This standard provides safety guidelines for design, construction, and maintenance of jet-propelled boats.

Scope: This standard is a guide for the design, construction, and maintenance of inboard water jet propelled boats less than 20 ft (6 meters) in length overall (LOA) with a boat weight less than 3000 lb (1360.8 kg).

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10 | Annapolis, MD 21403 www.abycinc.org

Contact: Sara Moulton; smoulton@abycinc.org

Revision

BSR/ABYC S-30-202x, Outboard Engine and Related Equipment Weights (revision of ANSI/ABYC S-30-2017)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: To establish safety standards for outboard engine and related equipment weights in regards to capacity and flotation.

Scope: This industry conformity standard applies to all outboard-powered boats less than 26 ft (7.9 m) in length and addresses outboard-engine and related equipment weights for use in determining vessel capacity and flotation.

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

351 N. Williamson Boulevard | Daytona Beach, FL 32114-1112 www.apcoIntl.org

Contact: Mindy Adams; apcostandards@apcointl.org

New Standard

BSR/APCO 1.124.1-202X, Supplemental Emergency Responder Recommendations (new standard)

Stakeholders: Telecommunicators, public safety agencies, responders, involved individuals, and the community will benefit from the standard.

Project Need: Some local, regional, and state agencies are looking at alternative response approaches. Guidance as to how ECCs might operate in the future should take the possibility of a variety of alternate responses into account. This includes citing programs that are doing different things with this approach already as well as taking "lessons learned" from them in order to outline a best practices approach to this option. This document will take into consideration technical NG9-1-1 capabilities and implementation needs as well as practical administration policy needs such as MOUs and backup response considerations.

Scope: As some local governments are now looking for alternatives to response options, 9-1-1 calls that traditionally resulted in the dispatch of law, medical, or fire response may be replaced, or supplemented by alternative responder recommendations. This document is intended to provide guidance on how to work with alternate providers and incorporate such responses into the traditional 9-1-1 landscape. This document will address how the ECC can incorporate call-taking processes currently in place to adapt to the use of alternative responders, including potential dispatches in lieu of Law Enforcement, such as dispatch of social workers, psychiatrists, or other locally designated alternatives for non-violent situations. The document will not make recommendations as to what type of alternate responder should be engaged, rather it will focus on how an ECC can incorporate whatever recommendations, or directives, local leadership enacts into the operational workflow of the ECC.

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

351 N. Williamson Boulevard | Daytona Beach, FL 32114-1112 www.apcoIntl.org

Contact: Mindy Adams; apcostandards@apcointl.org

New Standard

BSR/APCO 1.125.1-202X, Non-9-1-1 Call Processing and Dispatch (new standard)

Stakeholders: Telecommunicators, public safety agencies, responders, involved individuals, and the community will benefit from the standard.

Project Need: As the potential for rapid access to human services evolves via three-digit numbers that build on the decade's long success of 9-1-1, the need for standardized policies and procedures governing the incorporation of receiving calls from these additional outside centers becomes necessary. The idea of incorporating operational support of these new, external services into the ECC generates many unanswered questions and may be met with hesitation by ECC leadership. This document seeks to develop a standard providing guidance for implementing these policies and procedures into the ECC.

Scope: As technology evolves, and new services become available to the public, it is likely that ECCs will be tasked with receiving and processing calls from sources other than 9-1-1. Unlike legacy administrative-line calls, these calls may be received from 2-1-1 and 9-8-8 centers and may require new policies and procedures for the use of alternative resources and potentially even new technology. This document is intended to provide guidance on how to incorporate these types of outside referral services into the traditional 9-1-1 landscape.

ASABE (American Society of Agricultural and Biological Engineers)2950 Niles Road | Saint Joseph, MI 49085 <https://www.asabe.org/>

Contact: Walter Brace; brace@asabe.org

Revision

BSR/ASABE S612.1 MONYEAR-202x, Energy Analysis of Agricultural Operations (revision and redesignation of ANSI/ASABE S612 JUL2009 (R2021))

Stakeholders: Energy analysts (and auditors), consulting engineers, farm managers, electric and natural gas utilities, entities (private and public) involved in energy efficiency and sustainability, and equipment manufacturers.

Project Need: The current S612 has formed the basis for energy-use analysis on thousands of agricultural operations. The USDA Natural Resources Conservation Service reports about 5,000 such studies have been prepared. At the same time, multiple parties have commented on ways to improve the existing standard. Comments from many that voted to renew the standard also indicated the benefits of a revision. Many of the comments identified improved specificity and clarity; those are specific objectives for a revised standard.

Scope: The proposed project is expected to identify priority changes in the scope, definitions, and other elements and modify the standard based on that consensus. A number of issues are likely to be deferred for later action. Comments submitted during ballots for this standard will be reviewed by the ad hoc committee. Other comments will be sought from ASABE members and external partners. Among items to be considered, if determined as appropriate, include the following:

- More complete general requirements section (e.g., report format);
- Enterprise- or equipment-specific requirements;
- Specific, recent technological developments;
- Differentiate intent, scope, and use of Type-1 and Type-2 analysis (aligned with external energy analysis standards categories);
- Reference external standards (residential, commercial, industrial) where conditions allow such standards to apply for agricultural settings;
- Include metering, sub-metering, and other data-collection methods (anticipated to be relative to analysis Type);
- Exclude analysis of field crop operations;
- Clarify section and annex reference to analyst ('auditor') qualification/certification (e.g., address P.E. licensure purpose if not licensed in State where analysis is performed); and
- Consider stance relative to analysis of potential use of renewable resources to meet on-site energy needs.

Any item identified may be developed and incorporated into a revised S612; deferred for subsequent revision; recommended for one or more new, supplemental standards; or dismissed as inappropriate for an ASABE standard.

ASABE (American Society of Agricultural and Biological Engineers)2950 Niles Road | Saint Joseph, MI 49085 <https://www.asabe.org/>

Contact: Walter Brace; brace@asabe.org

New Standard

BSR/ASABE S659 MONYEAR-202x, Agricultural Life Cycle Assessment Allocation and Impact Assessment Procedures (new standard)

Stakeholders: Practitioners, users, decision makers, analysts and others who use LCA in decision-making.

Project Need: The scope of this project is to inform and guide agricultural LCA procedures globally.

Scope: Agricultural Life Cycle Assessments (LCAs) evaluate the impacts of mass and energy flows through complex systems, with boundaries ranging from very narrow to global. These LCAs are used to compare processes and products, develop strategies for improvement, and identify areas of risks in food systems. The concepts are direct, but become very complex when process flows are allocated through unit processes. Impact categories such as greenhouse gas (GHG) emissions, water use, energy use, and human health are allocated as mass or value flow through the systems. Allocation of these impacts is critical for legitimate and consistent LCAs. Methods for allocation of products and co-products in current methods are unclear and inconsistent. Similar challenges are present with allocation of GHG emissions from biogenic versus geologic carbon sources.

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road | Saint Joseph, MI 49085 <https://www.asabe.org/>

Contact: Walter Brace; brace@asabe.org

National Adoption

BSR/ASABE/ISO 12140-1-202x MON/YEAR, Agricultural trailers and trailed equipment - Drawbar jacks - Part 1: Design safety, test methods and acceptance criteria (identical national adoption of ISO 12140-1:2020)

Stakeholders: Implement Jack manufacturers, Trailer and Agricultural Implement manufacturers and distributors.

Users: Farmers, Implement/ Trailer manufacturers, Highway Departments.

Project Need: Replace the identical adoption of ISO 12140:2013 with an identical adoption of ISO 12140-1:2020.

Scope: Specifies criteria for construction, establishes performance test methods, and defines acceptance criteria for telescopic mechanical screw- and nut-type drawbar jacks and hydraulic drawbar jacks intended to be fitted on the implement tongue of interchangeable towed machinery [referred to in this standard as "implement(s)"] as original equipment or as replacement jacks. In addition, it specifies minimum markings and information for use to be provided by the jack manufacturer. These jacks are used specifically for:

- supporting the hitch points of implements during storage;
- lifting and lowering of implement tongues to facilitate attaching to or disconnecting from an agricultural tractor; and
- levelling an implement for stationary use.

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road | Saint Joseph, MI 49085 <https://www.asabe.org/>

Contact: Walter Brace; brace@asabe.org

National Adoption

BSR/ASABE/ISO 12140-2-202x MON/YEAR, Agricultural trailers and trailed equipment - Drawbar jacks - Part 2: Application safety, test methods and acceptance criteria (identical national adoption of ISO 12140-2:2020)

Stakeholders: Implement Jack manufacturers, Trailer and Agricultural Implement manufacturers and distributors.

Users: Farmers, Implement/ Trailer manufacturers, Highway Departments.

Project Need: Replace the identical adoption of ISO 12140:2013 with an identical adoption of ISO 12140-2:2020.

Scope: Specifies safety requirements and test procedures, and establishes minimum acceptance criteria for the application of telescopic mechanical screw- and nut-type drawbar jacks and hydraulic drawbar jacks intended to be fitted on the implement tongue of interchangeable towed machinery (referred to in this standard as "implement(s)") as original equipment or jacks fitted with a jack attachment mount. This document applies to implement-mounted jacks or jacks fitted with a jack attachment mount. These jacks are used specifically for supporting the hitch points of implements during storage, lifting, and lowering of implement tongues to facilitate attaching to or disconnecting from an agricultural tractor and the levelling of machinery for stationary use. The drawbars are those which are designed to couple with the mechanical connections of towing vehicles.

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road | Saint Joseph, MI 49085 <https://www.asabe.org/>

Contact: Walter Brace; brace@asabe.org

National Adoption

BSR/ASABE/ISO 4254-16-202x MON/YEAR, Agricultural machinery - Safety - Part 16: Portable agricultural grain augers (identical national adoption of ISO 4254-16:2018)

Stakeholders: Machine manufacturers (small, medium and large enterprises); Health and safety bodies (regulators, accident-prevention organizations, market surveillance, etc.); Machine users/employers (small, medium, and large enterprises); Machine users/employees (e.g., trade unions, organizations for people with special needs); Service providers, e.g., for maintenance (small, medium, and large enterprises); Consumers (in the case of machinery intended for use by consumers).

Project Need: Nationally harmonize design and safety of portable grain augers with the world.

Scope: This document, intended to be used together with ISO 4254-1, specifies the safety requirements and their verification for the design and construction of portable agricultural grain augers. This document covers conventional and swing-away portable agricultural augers designed primarily for conveying agricultural materials on farms. This document does not deal with the design or safety aspects of:

- drag augers;
- bin sweeps; and
- other augers that do not have wheels suitable for towing. (NOTE Examples of covered equipment are shown in Annex A.)

When provisions of this document are different from those which are stated in ISO 4254-1, the provisions of this document take precedence over the provisions of ISO 4254-1 for machines that have been designed and built according the provisions of this document. This document, taken together with ISO 4254-1, deals with all the significant hazards (as listed in Table 1), hazardous situations and events relevant to portable agricultural grain augers, when they are used as intended and under the conditions foreseen by the manufacturer (see Annex B). This document is not applicable to machines manufactured before the date of its publication.

IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)

445 Hoes Lane | Piscataway, NJ 08854 www.ieee.org

Contact: Jennifer Santulli; J.Santulli@ieee.org

Revision

BSR C63.9-202x, Standard for Laboratory immunity testing of multimedia equipment (MME) exposed to RF sources (revision of ANSI C63.9-2008 (R2014))

Stakeholders: EMC test laboratories, MME manufacturers, accreditation bodies, users of such equipment, and test equipment manufacturers providing instrumentation for test setups and immunity testing.

Project Need: MME is becoming increasingly exposed to a variety of near-field RF sources, i.e., mobile phones or portable licensed transmitters. There is a need to determine the immunity of these devices to such portable sources and to do it in a controlled EMC test laboratory where immunity levels can be repeated and reproduced. We will specify field uniformity and not have references to "audio" or GTEM cells or hand-held (near-field) techniques. There is a need to identify how to test such products by replicating the RF sources they are exposed to in the environment.

Scope: This standard provides test methods for testing the immunity of MME in a controlled EMC test lab environment. It will identify test equipment, test setups, and any special application of a signal replicating RF sources present in the environment.

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

700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 14776-224:2019 [202x], Information Technology - Small Computer System Interface (SCSI) - Part 224: Fibre Channel Protocol For SCSI, Fourth Version (FCP-4) (identical national adoption of ISO/IEC 14776-224:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Defines the Small Computer System Interface (SCSI) Fibre Channel Protocol (FCP). This standard defines how the Fibre Channel services and the defined Information Units (IUs) are used to perform the services defined by the SCSI Architecture Model - 5 (SAM-5). This fourth version includes additions and clarifications to the third version (ISO/IEC 14776-223:2008), removes information that is now contained in other standards, and describes additional error recovery capabilities for the Fibre Channel Protocol.

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

700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 14776-232:2001 [202x], Information Technology - Small Computer System Interface (SCSI) - Part 232: Serial Bus Protocol-2 (SBP-2) (identical national adoption of ISO/IEC 14776-232:2001)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Defines a protocol for the transport of commands and data over High-Performance Serial Bus. The transport protocol, Serial Bus Protocol 2 or SBP-2, requires implementations to conform to the requirements of this standard as well as to ISO/IEC 13213:1994 and permits the exchange of commands, data, and status between initiators and targets connected to Serial Bus.

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

700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 14776-415:2019 [202x], Information Technology - Small Computer System Interface (SCSI) - Part 415: SCSI Architecture Model - 5 (SAM-5) (identical national adoption of ISO/IEC 14776-415:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Defines PHY and MAC specifications for high data-rate wireless connectivity (typically over 200 Mbps) with fixed, portable, and moving devices. Data rates are high enough to satisfy a set of consumer multimedia industry needs, as well as to support emerging wireless switched point-to-point and high-rate close-proximity point-to-point applications.

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

700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 14776-481:2019 [202x], Information Technology - Small Computer System Interface (SCSI) - Part 481: Security Features For SCSI Commands (SFSC) (identical national adoption of ISO/IEC 14776-481:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Defines a device model that is applicable to all SCSI devices. Other command standards expand on the general SCSI device model in ways appropriate to specific types of SCSI devices. ISO/IEC 14776 (all parts) specifies the interfaces, functions, and operations necessary to ensure interoperability between conforming SCSI implementations. This document is a functional description. Conforming implementations employ any design technique that does not violate interoperability. Defines security features for use by all SCSI devices. Defines the security model that is basic to every device model and the parameter data that applies to any device model.

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

700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 23001-9:2016 [202x], Information technology - MPEG systems technologies - Part 9: Common encryption of MPEG-2 transport streams (identical national adoption of ISO/IEC 23001-9:2016)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Specifies a common media encryption format for use in MPEG-2 transport streams. This encryption format is intended to be used in an interoperable way with media encrypted using the format described by ISO/IEC 23001-7. ISO/IEC 23001-9:2016 allows conversion between encrypted MPEG-2 transport streams and encrypted ISO-base-media file format files without re-encryption.

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

700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 23001-1:2006/COR1:2007 [202x], Information technology - MPEG systems technologies - Part 1: Binary MPEG format for XML - Technical Corrigendum 1 (identical national adoption of ISO/IEC 23001-1:2006/COR1:2007)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Technical Corrigendum 1 to ISO/IEC 23001-1:2006.

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

700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 23001-1:2006/COR2:2007 [202x], Information technology - MPEG systems technologies - Part 1: Binary MPEG format for XML - Technical Corrigendum 2 (identical national adoption of ISO/IEC 23001-1:2006/COR2:2007)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Technical Corrigendum 2 to ISO/IEC 23001-1:2006.

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

700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 23008-2:2020/AM1:2021 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 2: High efficiency video coding - Amendment 1: Shutter interval information SEI message (identical national adoption of ISO/IEC 23008-2:2020/AM1:2021)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Amendment 1 to ISO/IEC 23008-2:2020.

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

700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 27033-6:2016 [202x], Information technology - Security techniques - Network security - Part 6: Securing wireless IP network access (identical national adoption of ISO/IEC 27033-6:2016)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Describes the threats, security requirements, and security control and design techniques associated with wireless networks. It provides guidelines for the selection, implementation, and monitoring of the technical controls necessary to provide secure communications using wireless networks. The information in this part of ISO/IEC 27033 is intended to be used when reviewing or selecting technical security architecture/design options that involve the use of wireless network in accordance with ISO/IEC 27033 2.

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

700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 30134-1:2016 [202x], Information technology - Data centres - Key performance indicators - Part 1: Overview and general requirements (identical national adoption of ISO/IEC 30134-1:2016)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Specifies the following for the other parts of ISO/IEC 30134: a common structure; definitions, terminology and boundary conditions for KPIs of data centre resource usage effectiveness and efficiency; common requirements for KPIs of data centre resource usage effectiveness and efficiency; common objectives for KPIs of the data centre resource effectiveness and efficiency; general information regarding the use of KPIs of data centre resource usage effectiveness and efficiency.

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

700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 30134-2:2016 [202x], Information technology - Data centres - Key performance indicators - Part 2: Power usage effectiveness (PUE) (identical national adoption of ISO/IEC 30134-2:2016)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Defines the power usage effectiveness (PUE) of a data centre, introduces PUE measurement categories, describes the relationship of this KPI to a data centre's infrastructure, information technology equipment and information technology operations, defines the measurement, the calculation and the reporting of the parameter, provides information on the correct interpretation of the PUE. PUE derivatives are described in Annex D.

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

700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 30134-3:2016 [202x], Information technology - Data centres - Key performance indicators - Part 3: Renewable energy factor (REF) (identical national adoption of ISO/IEC 30134-3:2016)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Defines the renewable energy factor (REF) of a data centre, specifies a methodology to calculate and to present the REF, and provides information on the correct interpretation of the REF.

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

700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 30134-1:2016/AM1:2018 [202x], Information technology - Data centres - Key performance indicators - Part 1: Overview and general requirements - Amendment 1 (identical national adoption of ISO/IEC 30134-1:2015/AM1:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Amendment 1 to ISO/IEC 30134-1:2016.

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

700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 30134-2:2016/AM1:2018 [202x], Information technology - Data centres - Key performance indicators - Part 2: Power usage effectiveness (PUE) - Amendment 1 (identical national adoption of ISO/IEC 30134-2:2016/AM1:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Amendment 1 to ISO/IEC 30134-2:2016.

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

700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 30134-3:2016/AM1:2018 [202x], Information technology - Data centres - Key performance indicators - Part 3: Renewable energy factor (REF) - Amendment 1 (identical national adoption of ISO/IEC 30134-3:2016/AM1:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Amendment 1 to ISO/IEC 30134-3:2016.

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

700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 23544:2021 [202x], Information Technology - Data Centres - Application Platform Energy Effectiveness (APEE) (identical national adoption of ISO/IEC 23544:2021)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Document specifies application platform energy effectiveness (APEE) as a Key Performance Indicator (KPI) which quantifies the energy effectiveness of an application platform for an IT service in data centres. This KPI evaluates the energy consumption of an application platform prior to deployment. The purpose of this KPI is to measure the energy effectiveness of a set of target IT equipment, operating systems and middleware, to enable the selection of an energy effective IT stack.

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

700 K Street NW, Suite 600 | Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 29151:2017 [2021], Information Technology - Security Techniques - Code of Practice for Personally Identifiable Information Protection (identical national adoption of ISO/IEC 29151:2017)

Stakeholders: ICT industry.

Project Need: Adoption of this International Standard is beneficial to the ICT industry.

Scope: Establishes control objectives, controls, and guidelines for implementing controls, to meet the requirements identified by a risk and impact assessment related to the protection of personally identifiable information (PII).

NEMA (ASC C137) (National Electrical Manufacturers Association)

1300 N 17th Street, Suite 900 | Rosslyn, VA 22209 www.nema.org

Contact: Michael Erbesfeld; Michael.Erbesfeld@nema.org

New Standard

BSR C137.9-202X, Lighting Systems - Networked Lighting Control (NLC) - System Configuration Report (new standard)

Stakeholders: Producers, users, general interest.

Project Need: The standard is looking to provide a consistent, dynamic, and comparable way to communicate how Networked Lighting Control systems have been programmed after hardware installation and startup. This standard is needed to provide all stakeholders a means by which to understand how a lighting system (or portions of it) have been configured at the point-in-time the report is generated. The report will help make utility programs easier to validate and administer as well as allows a simplified review of sys...

Scope: This standard defines a generated Configuration Report providing stakeholders with the ability to quickly understand how a Networked Lighting Control (NLC) system is configured at the point in time the report is generated. The configuration report would include standardized industry nomenclature from an existing NEMA or ANSI standard. The report would be exportable to a common data format and provide the minimum required information to confirm control strategies programming, key system information, as well as energy savings.

RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)

2001 K Street, NW, 3rd Floor North | Washington, DC 20006 www.resna.org

Contact: Doug Weinbaum; dweinbaum@resna.org

Revision

BSR/RESNA ASE-1-202x, RESNA Standard for Adaptive Sports Equipment - Volume 1: Winter Sports Equipment (revision of ANSI/RESNA ASE-1-2019)

Stakeholders: Adaptive skiers; manufacturers and designers of sit-skis, mono-skis, and bi-skis; adaptive ski program directors; ski alpine industry representatives; lift equipment manufacturers and operators; governmental representatives (U.S. Access Board and USDA Forest Service); and entities that establish coding guidelines and establish policy for the provision of adaptive sports equipment.

Project Need: These standards affect people with disabilities, including mobility, visual, hearing, and/or cognitive impairment. They are designed to increase accessibility of sit-skis, mono-skis, and bi-skis for adaptive skiers.

Consideration is given to design, construction, and operation in a manner that helps reduce danger to skiers. This standard will be expanded to include requirements and test methods for skier restraint systems for use by people with certain types of impairments when riding on chairlifts.

Scope: This standard includes requirements and test methods for adaptive sports equipment. Currently, the standard contains one section addressing adaptive winter sports equipment (sit-skis, monoskis, and bi-skis). Additional sections pertaining to other types of adaptive winter sports equipment will be developed and incorporated with future revisions. These standards affect users and organizations representing the technical needs of persons with mobility impairments including the following: Adaptive Sports Equipment Suppliers; Adaptive Ski Programs; Assistive Technology Practitioners; manufacturers of Sit-skis, Mono-skis and Bi-skis (SMBs); and researchers, designers, and test laboratories of SMBs.

RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)

2001 K Street, NW, 3rd Floor North | Washington, DC 20006 www.resna.org

Contact: Doug Weinbaum; dweinbaum@resna.org

Revision

BSR/RESNA CA-1-202x, RESNA Standard for Cognitive Accessibility - Volume 1: Universal Criteria for Reporting the Cognitive Accessibility of Products and Technologies (revision of ANSI/RESNA CA-1-2018)

Stakeholders: People with cognitive impairment; caregivers, educators, and organizations representing the technical needs of persons with cognitive impairments; entities that establish coding guidelines and establish policy for the provision of cognitive technologies; manufacturers of cognitive devices; and researchers, designers, and test laboratories of cognitive devices.

Project Need: These standards affect people with cognitive impairment, i.e., Alzheimer's, attention disorder, autism, brain injury, cerebral palsy, Down's syndrome, learning disability, Parkinson's disease, and stroke; their caregivers and educators; and manufacturers of technology products they use. They are designed to increase accessibility of mainstream and assistive products for people with cognitive impairment, at different stages of development (young and aging), and who have difficulty communicating.

Scope: This standard addresses the accessibility of technologies identified as priorities for people with cognitive impairments, which includes devices like cell phones, microwave ovens, and fire extinguishers. The initial focus will be on the accessibility of devices, generally excluding software products, services, or web-page design. However, some software and interface design elements that are essential to the device's operation are addressed. Future sections of this standard may be developed to address software, web-page design, or service delivery.

RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)

2001 K Street, NW, 3rd Floor North | Washington, DC 20006 www.resna.org

Contact: Doug Weinbaum; dweinbaum@resna.org

Revision

BSR/RESNA ED-1-202x, RESNA Standard for Evacuation Devices - Volume 1: Emergency Stair Travel Devices Used by Individuals with Disabilities (revision of ANSI/RESNA ED-1-2019)

Stakeholders: Individuals with mobility impairments; caregivers and organizations representing the technical needs of persons with mobility impairments; life safety operators; building owners and managers; life safety technology designators; code development and enforcement professionals; and manufacturers, researchers, designers, and test laboratories of emergency stair travel devices.

Project Need: Emergency evacuation by individuals which remains a topic of high importance with respect to emergency management. Where the evacuation route includes stairs, use of emergency stair travel devices may be warranted. These devices vary in design, each offering a combination of benefits to and requirements of the occupants and operators. Further development of the RESNA ED-1 Standard is proposed regarding test methods for weight capacity, stability, and maneuverability.

Scope: This RESNA ED-1 Standard covers the terminology, description, performance, inspection, and maintenance of devices whose primary purpose is the travel of individuals with disabilities over stairs and horizontal surfaces during building evacuations. This standard does not cover devices whose purpose is the travel of individuals with disabilities during routine travel on stairs. This standard includes requirements and test methods for determining emergency stair travel device performance. It also includes requirements for the disclosure of the test results

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd | Exton, PA 19341 www.scte.org

Contact: Kim Cooney; kcooney@scte.org

New Standard

BSR/SCTE IPS SP 922-202x, Electrical Grounding and Bonding Standards for Cable Broadband Network Critical Facilities (new standard)

Stakeholders: Cable Telecommunications industry.

Project Need: Create new standard.

Scope: This document includes practices for exterior-system grounding and bonding, interior grounding systems, surge protection, roof-mounted lightning protection, environmental handling for electric static discharge (ESD)-sensitive equipment, commissioning, and maintenance.

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115 | Peachtree Corners, GA 30092 www.tappi.org

Contact: Natasha Bush-Postell; standards@tappi.org

Revision

BSR/TAPPI T 832 om-202x, Water absorption of corrugating medium: Float curl method (revision of ANSI/TAPPI T 832 om-2012)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To revise existing TAPPI/ANSI standard based on comments received on Draft 1 ballot.

Scope: The water absorptivity of corrugating medium is measured by floating a specimen on the surface of a vessel of water and determining the time for the specimen to become saturated.

UL (Underwriters Laboratories)

333 Pfingsten Road | Northbrook, IL 60062-2096 <https://ul.org/>

Contact: Susan Malohn; Susan.P.Malohn@ul.org

New Standard

BSR/UL 63112-202x, Standard for Safety for Photovoltaic (PV) Arrays - Earth Fault Protection Equipment - Safety and Safety-Related Functionality (new standard)

Stakeholders: PV Industry, AHJs, manufacturers of power converters, installers and authorized personnel for PV power systems, and certification bodies.

Project Need: IEC 63112 addresses PV ground fault protection as it expands upon the ground-fault protection in the Standard for Safety of Power Converters for use in Photovoltaic Power Systems - Part 2: Particular Requirements for Inverters, IEC 62109-2. The reference to UL 63112 would replace the existing ground-fault protection requirements in the draft standard for UL 62109-2. The adoption of IEC 63112 as UL 63112 will provide the path needed for the UL 62109-2 effort, as well as in other UL photovoltaic standards.

Scope: The standard applies to low voltage Photovoltaic Earth-Fault Protection Equipment (PV-EFPE) whose function is to detect, interrupt, and warn system operators of earth faults in solar photovoltaic arrays. This document specifies the types and levels of the monitoring and protection functions that may be provided; the nature and timing of responses to earth faults; test methods for validating the monitoring and protection functions provided; requirements for functional safety and fault tolerance; and requirements for product safety including construction, environmental suitability, markings, documentation, and testing.

Call for Comment on Standards Proposals

American National Standards

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: October 24, 2021

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

180 Technology Parkway, Peachtree Corners, GA 30092 | mweber@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE/ASHE Addendum 170d-202x, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 170-2021)

The proposed glossary changes in Addendum d are to align Standard 170 requirements with the FGI related to evolving clinical approaches to care and treatment of patients in imaging settings.

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

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

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

180 Technology Parkway, Peachtree Corners, GA 30092 | etoto@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE/ICC/IES/USGBC Addendum j to BSR/ASHRAE/ICC/IES/USGBC Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020)

This addendum proposes to replace the current Jurisdictional Option [JO] provisions for cool walls in Standard 189.1 with a mandatory requirement to follow the associated section in ASHRAE Standard 90.1, which was improved following the publication of 90.1-2019 Addendum s.

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

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

Comment Deadline: October 24, 2021

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

180 Technology Parkway, Peachtree Corners, GA 30092 | etoto@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE/IES Addendum ar to BSR/ASHRAE/IES Standard 90.1-202x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019)

This addendum proposes new requirements for lighting used within indoor plant growth facilities using a new metric, photosynthetic photon efficacy (PPE), developed by the American Society of Agricultural and Biological Engineers (ASABE) for the ANSI/ASABE S640 standard. The threshold PPE required for compliance (and avoidance of penalties) is based on the type of facility and will vary for greenhouses vs. all-electric buildings. Introducing the PPE metric to Standard 90.1 and removing an existing lighting exception that created leniency for horticultural applications will promote significant improvements in energy use.

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

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

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

180 Technology Parkway, Peachtree Corners, GA 30092 | etoto@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE/IES Addendum d to BSR/ASHRAE/IES Standard 90.2-202x, Energy Efficient Design of Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.2-2018)

This proposal intends to add some basic indoor environmental quality requirements for lighting systems to align with existing Section 7.3, Indoor Environmental Quality requirements applicable to mechanical systems.

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

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

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | arose@nsf.org, www.nsf.org

Revision

BSR/NSF 7-202x (i25r2), Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2019)

This Standard contains requirements for refrigerators and freezers used to store and/or display cold food. The types of refrigerators and freezers covered by this Standard include, but are not limited to: storage refrigerators (e.g., reach-in, under-counter, walk-in, roll-in); storage freezers (e.g., reach-in, under-counter, walk-in, roll-in); rapid pull-down refrigerators and freezers; refrigerated food transport cabinets; refrigerated buffet units; refrigerated food preparation units; display refrigerators; beverage coolers; and ice cream cabinets.

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

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

Comment Deadline: October 24, 2021

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | jsnider@nsf.org, www.nsf.org

Revision

BSR/NSF 50-202x (i170r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020)

This Standard covers materials, chemicals, components, products, equipment, and systems, related to public and residential recreational water facility operation.

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

Send comments (copy psa@ansi.org) to: Jason Snider; jsnider@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | arose@nsf.org, www.nsf.org

Revision

BSR/NSF 51-202x (i17r3), Food Equipment Materials (revision of ANSI/NSF 51-2019)

This Standard is applicable to the materials and finishes used in the manufacture of food equipment (e.g., broiler, beverage dispenser, cutting board, stock pot). The Standard is also applicable to components such as tubing, sealants, gaskets, valves, and other items intended for various food equipment applications.

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

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

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | jevans@nsf.org, www.nsf.org

Revision

BSR/NSF 140-202x (i30r1), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2019)

This sustainability standard is intended to enable organizations throughout the carpet supply chain to apply performance requirements to achieve sustainable attributes and demonstrate compliance with levels of achievement through quantifiable metrics. While this Standard can be used on any carpet product, it is intended to be used for evaluation of commercial carpet products by providing a product evaluation methodology that is additive to emerging commercial green building standards. This Standard does not apply to the packaging of sustainable carpets or to the adhesive or padding products used in the installation of carpet products.

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

Send comments (copy psa@ansi.org) to: Jessica Evans; jevans@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | jevans@nsf.org, www.nsf.org

Revision

BSR/NSF 140-202x (i31r1), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2019)

This sustainability standard is intended to enable organizations throughout the carpet supply chain to apply performance requirements to achieve sustainable attributes and demonstrate compliance with levels of achievement through quantifiable metrics. While this Standard can be used on any carpet product, it is intended to be used for evaluation of commercial carpet products by providing a product evaluation methodology that is additive to emerging commercial green building standards. This Standard does not apply to the packaging of sustainable carpets or to the adhesive or padding products used in the installation of carpet products.

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

Send comments (copy psa@ansi.org) to: Jessica Evans; jevans@nsf.org

Comment Deadline: October 24, 2021

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | jevans@nsf.org, www.nsf.org

Revision

BSR/NSF 140-202x (i32r1), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2019)

This sustainability standard is intended to enable organizations throughout the carpet supply chain to apply performance requirements to achieve sustainable attributes and demonstrate compliance with levels of achievement through quantifiable metrics. While this Standard can be used on any carpet product, it is intended to be used for evaluation of commercial carpet products by providing a product evaluation methodology that is additive to emerging commercial green building standards. This Standard does not apply to the packaging of sustainable carpets or to the adhesive or padding products used in the installation of carpet products.

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

Send comments (copy psa@ansi.org) to: Jessica Evans; jevans@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | jevans@nsf.org, www.nsf.org

Revision

BSR/NSF 140-202x (i33r1), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2019)

This sustainability standard is intended to enable organizations throughout the carpet supply chain to apply performance requirements to achieve sustainable attributes and demonstrate compliance with levels of achievement through quantifiable metrics. While this Standard can be used on any carpet product, it is intended to be used for evaluation of commercial carpet products by providing a product evaluation methodology that is additive to emerging commercial green building standards. This Standard does not apply to the packaging of sustainable carpets or to the adhesive or padding products used in the installation of carpet products.

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

Send comments (copy psa@ansi.org) to: Jessica Evans; jevans@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | jevans@nsf.org, www.nsf.org

Revision

BSR/NSF 140-202x (i34r1), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2019)

This sustainability standard is intended to enable organizations throughout the carpet supply chain to apply performance requirements to achieve sustainable attributes and demonstrate compliance with levels of achievement through quantifiable metrics. While this Standard can be used on any carpet product, it is intended to be used for evaluation of commercial carpet products by providing a product evaluation methodology that is additive to emerging commercial green building standards. This Standard does not apply to the packaging of sustainable carpets or to the adhesive or padding products used in the installation of carpet products.

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

Send comments (copy psa@ansi.org) to: Jessica Evans; jevans@nsf.org

Comment Deadline: October 24, 2021

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | jevans@nsf.org, www.nsf.org

Revision

BSR/NSF 140-202x (i35r1), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2019)

This sustainability standard is intended to enable organizations throughout the carpet supply chain to apply performance requirements to achieve sustainable attributes and demonstrate compliance with levels of achievement through quantifiable metrics. While this Standard can be used on any carpet product, it is intended to be used for evaluation of commercial carpet products by providing a product evaluation methodology that is additive to emerging commercial green building standards. This Standard does not apply to the packaging of sustainable carpets or to the adhesive or padding products used in the installation of carpet products.

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

Send comments (copy psa@ansi.org) to: Jessica Evans; jevans@nsf.org

SPRI (Single Ply Roofing Industry)

465 Waverley Oaks Road, Suite 421, Waltham, MA 02452 | info@spri.org, www.spri.org

Revision

BSR/SPRI FX-1-202x, Standard Field Test Procedure for Determining the Withdrawal Resistance of Roofing Fasteners (revision of ANSI/SPRI FX-1-2016)

This standard provides procedures used in the field to test the pullout resistance of all types of fasteners. The data developed from these tests provide the roof system manufacturer, design professional, and other practitioners with pullout resistance values for the specific fastener installed into the load resisting material of the deck.

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

Send comments (copy psa@ansi.org) to: info@spri.org

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 | Paul.E.Lloret@ul.org, <https://ul.org/>

Revision

BSR/UL 1484-202x, Standard for Safety for Residential Gas Detectors (revision of ANSI/UL 1484-2008 (R2017))

Recirculation to withdraw original proposal dated November 29, 2019 that proposed requirements for a One-Year Sensor Stability Test for Limited Life, Gas Sensors.

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

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

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 | Paul.E.Lloret@ul.org, <https://ul.org/>

Revision

BSR/UL 2034-202x, Standard for Safety for Single and Multiple Station Carbon Monoxide Alarms (revision of ANSI/UL 2034-2018)

Recirculation to withdraw original proposal dated November 29, 2019 that proposed requirements for a One-Year Sensor Stability Test for Limited Life, CO Sensors.

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

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

Comment Deadline: November 8, 2021

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 | OMunteanu@aami.org, www.aami.org

Reaffirmation

BSR/AAMI EQ89-2015 (R202x), Guidance for the use of medical equipment maintenance strategies and procedures (reaffirmation of ANSI/AAMI EQ89-2015)

This standard is intended to provide basic information to health care technology management professionals by identifying and describing in general various maintenance strategies and methods for efficient, effective, and timely maintenance of medical equipment in health care facilities. The standard neither mandates nor requires that any of these specific strategies be used, but instead discusses in general the uses of these methods and their potential advantages and disadvantages.

Single copy price: Free

Obtain an electronic copy from: omunteanu@aami.org

Send comments (copy psa@ansi.org) to: omunteanu@aami.org

AISC (American Institute of Steel Construction)

130 E. Randolph Street, Suite 2000, Chicago, IL 60601 | matthew@aisc.org, www.aisc.org

Revision

BSR/AISC 358-202x, Prequalified Connections for Special and Intermediate Steel Moment Frames for Seismic Applications (revision, redesignation and consolidation of ANSI/AISC 358-2016, ANSI/AISC 358-S1-2018, and ANSI/AISC 358-S2-2020)

This standard specifies design, detailing, fabrication, and quality criteria for structural steel connections that are prequalified in accordance with the AISC Seismic Provisions for Structural Steel Buildings (AISC 341) for use with special moment frames (SMF) and intermediate moment frames (IMF).

Single copy price: \$35.00

Obtain an electronic copy from: www.aisc.org/publicreview

Order from: Martin Downs, downs@aisc.org

Send comments (copy psa@ansi.org) to: matthew@aisc.org

AMPP (Association for Materials Protection and Performance)

15835 Park Ten Place, Houston, TX 77084 | rick.southard@ampp.org, www.nace.org

National Adoption

BSR/AMPP MR0175-202x/ISO 15156-2020, Petroleum and natural gas industries - Materials for use in H2S-containing environments in oil and gas production (identical national adoption of ISO 15156:2020 and revision of ANSI/NACE MR0175/ISO 15156-2015)

This standard is in three parts, and all three parts describe requirements for materials for use in H2S-containing environments in oil and gas production. The first part describes the general principles for selection of cracking-resistant materials. The second part describes cracking-resistant carbon and low-alloy steels, and the use of cast irons. The third part describes cracking-resistant CRAs (corrosion-resistant alloys) and other alloys.

Single copy price: \$See www.iso.org

Obtain an electronic copy from: www.iso.org

Order from: www.iso.org

Send comments (copy psa@ansi.org) to: rick.southard@ampp.org

Comment Deadline: November 8, 2021

ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Park, IL 60526 | kmurdoch@ans.org, www.ans.org

Reaffirmation

BSR/ANS 6.4.2-2006 (R202x), Specification for Radiation Shielding Materials (reaffirmation of ANSI/ANS 6.4.2-2006 (R2016))

The standard sets forth physical and nuclear properties that shall be reported by the supplier as appropriate for a particular application in order to form the basis for the selection of radiation shielding materials.

Single copy price: \$78.00

Obtain an electronic copy from: orders@ans.org

Order from: orders@ans.org

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

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 | vangilder@asabe.org, <https://www.asabe.org/>

Withdrawal

ANSI/ASAE S478.1-2012 (R2016), Roll-Over Protective Structures (ROPS) for Compact Utility Tractors (withdrawal of ANSI/ASAE S478.1-2012 (R2016))

ASAE S478 is a U.S.-only standard that lacks recognition elsewhere in the world. ISO 12003-1 and ISO 12003-2 provide alternate internationally acceptable and adequate ROPS requirements for small and narrow tractors. One of the 12003 series of standards or ISO 5700 should be used to qualify new agricultural tractor ROPS designs. Further, ASAE S478 is not up-to-date with obsolete standards referenced and definitions that are no longer consistent.

Single copy price: \$49.00 (ASABE Members); \$72.00 (Non-Members)

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder; vangilder@asabe.org

Send comments (copy psa@ansi.org) to: vangilder@asabe.org

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

180 Technology Parkway, Peachtree Corners, GA 30092 | etoto@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE/IES Addendum al to BSR/ASHRAE/IES Standard 90.1-202x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019)

This addendum introduces a new option for lighting compliance. Currently, users can choose from three prescriptive options or a modeling-based method; this alternate path would allow a performance approach that is not dependent on meeting each of the prescriptive requirements in Section 9.

Single copy price: \$35.00

Obtain an electronic copy from: standards.section@ashrae.org

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

Comment Deadline: November 8, 2021

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

180 Technology Parkway, Peachtree Corners, GA 30092 | etoto@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE/IES Addendum am to BSR/ASHRAE/IES Standard 90.1-202x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019)

Addendum am proposes updates to the exterior lighting power density (LPD) values throughout Section 9 to reflect improved LED technology and revised practices related to light loss factors. Values were established based on criteria for Lighting Zone 3 and then scaled to the other lighting zones accordingly. This addendum represents roughly a 40% reduction in the values that were last modified in the ANSI/ASHRAE/IES Standard 90.1-2016.

Additional changes were made to improve how lighting control requirements are presented.

Single copy price: \$35.00

Obtain an electronic copy from: standards.section@ashrae.org

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

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

180 Technology Parkway, Peachtree Corners, GA 30092 | etoto@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE/IES Addendum ap to BSR/ASHRAE/IES Standard 90.1-202x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019)

Addendum ap introduces a new section to Standard 90.1 for the use of energy credits to enable a modest increase to the stated baseline efficiency requirements. A total of 33 new measures are included for use in all climate zones, covering eight building types, and driven by cost-effectiveness. The value of one credit is a reduction of total building energy cost by 0.1% based on national average energy prices used for ASHRAE 90.1 analysis. The energy credit options were identified from existing requirements within the standard as well as topics not currently addressed in the standard, for example, incentivizing load management.

Single copy price: \$35.00

Obtain an electronic copy from: standards.section@ashrae.org

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

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

180 Technology Parkway, Peachtree Corners, GA 30092 | etoto@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE/IES Addendum av to BSR/ASHRAE/IES Standard 90.1-202x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019)

Addendum av was first launched during revision of 90.1-2016 following the publication of ASHRAE Research Project 1365 which found that unaccounted heat flow through the cumulative impact of thermal bridges can increase the annual energy consumption associated with the building envelope. This ISC addresses a variety of concerns from the committee and public review commenters such as: exceptions have been added for overhangs, additional compliance options have been added for mass walls, allowances for unmitigated thermal bridges has been increased and additional language has been added in Section 11 and Appendix G for clarity.

Single copy price: \$35.00

Obtain an electronic copy from: standards.section@ashrae.org

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

Comment Deadline: November 8, 2021

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

Revision

BSR/ASME B30.2-202x, Overhead and Gantry Cranes (Top Running Bridge, Top Running Hoist) (revision of ANSI/ASME B30.2-2016)

Volume B30.2 includes provisions that apply to the construction, installation, operation, inspection, and maintenance of hand-operated and power-driven overhead and gantry cranes that have a top-running single-girder or multiple-girder bridge, with one or more top-running trolley hoists used for vertical lifting and lowering of freely suspended, unguided loads consisting of equipment and materials. The requirements included in this volume also apply to cranes having the same fundamental characteristics such as cantilever gantry cranes, semi-gantry cranes, and wall cranes.

Single copy price: Free

Obtain an electronic copy from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

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

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

Revision

BSR/ASME B30.23-202x, Personnel Lifting (revision of ANSI/ASME B30.23-2016)

Within the general scope defined in Section I, ASME B30.23 may apply to hoisting and accessory equipment covered within certain volumes of the ASME B30 Standard, which is used to lift, lower, hold, or transport personnel in a platform, by wire rope or chain, from hoist equipment, or by a platform that is mounted on a boom of the hoist equipment.

Single copy price: Free

Obtain an electronic copy from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

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

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | jrosario@aws.org, www.aws.org

New Standard

BSR/AWS B2.1-22-015-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Aluminum (M/P-22 to M/P-22), 18 through 10 Gauge, ER4043 or R4043, in the As-Welded Condition, with or without Backing (new standard)

This standard contains the essential welding variables for aluminum in the thickness range of 10 through 18 gauge using manual gas tungsten arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet welds and groove welds.

Single copy price: \$136.00

Obtain an electronic copy from: jrosario@aws.org

Order from: Jennifer Rosario; jrosario@aws.org

Send comments (copy psa@ansi.org) to: jrosario@aws.org

Comment Deadline: November 8, 2021

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | jrosario@aws.org, www.aws.org

New Standard

BSR/AWS C4.4/C4.4M-202x, Recommended Practices for Heat Shaping and Straightening with Oxyfuel Gas Heating Torches (new standard)

This third edition of Recommended Practices for Heat Shaping and Straightening covers the shaping of metal products by prudent use of heat to obtain a desired configuration. The text reviews the theory and analytical calculations that explain how heat shaping and straightening occurs. Sample calculations and tables are presented for typical materials. General heating patterns and heat shaping and straightening techniques are discussed. Specific heating applications are illustrated for various sections.

Single copy price: \$38.00

Obtain an electronic copy from: jrosario@aws.org

Order from: Jennifer Rosario; jrosario@aws.org

Send comments (copy psa@ansi.org) to: jrosario@aws.org

AWWA (American Water Works Association)

6666 W. Quincy Avenue, Denver, CO 80235 | polson@awwa.org, www.awwa.org

Reaffirmation

BSR/AWWA C510-2017 (R202x), Double Check-Valve Backflow Prevention Assembly (reaffirmation of ANSI/AWWA C510-2017)

This standard describes the double check-valve backflow prevention assembly for potable water applications.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

Order from: Vicki David; vdavid@awwa.org

Send comments (copy psa@ansi.org) to: Paul Olson; polson@awwa.org

AWWA (American Water Works Association)

6666 W. Quincy Avenue, Denver, CO 80235 | polson@awwa.org, www.awwa.org

Reaffirmation

BSR/AWWA C511-2017 (R202x), Reduced-Pressure Principle Backflow Prevention Assembly (reaffirmation of ANSI/AWWA C511-2017)

This standard describes the reduced-pressure principle backflow prevention assembly for potable water applications.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

Order from: Vicki David; vdavid@awwa.org

Send comments (copy psa@ansi.org) to: Paul Olson; polson@awwa.org

Comment Deadline: November 8, 2021

CSA (CSA America Standards Inc.)

8501 E. Pleasant Valley Road, Cleveland, OH 44131 | ansi.contact@csagroup.org, www.csagroup.org

Reaffirmation

BSR Z21.86-2016 (R202x), Vented gas-fired space heating appliances (same as CSA 2.32) (reaffirmation of ANSI Z21.86-2016)

Details test and examination criteria for vented room heaters, direct-vent wall furnaces, vented wall furnaces, and gravity- and fan-type floor furnaces for use with natural, manufactured, and mixed gases; liquefied petroleum gases; and LP gas-air mixtures.

Single copy price: Free

Obtain an electronic copy from: ansi.contact@csagroup.org

Send comments (copy psa@ansi.org) to: ansi.contact@csagroup.org

ESTA (Entertainment Services and Technology Association)

271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 | standards@esta.org, www.esta.org

New Standard

BSR/ES1.18-202x, Event Safety - Rigging (new standard)

This standard provides minimum requirements and general guidelines for the suspension of equipment and materials that are utilized in the technical production of organized special events. It addresses the general requirements for design, planning, installation, set-up, removal, and operation of rigging activities. These activities may be conducted using permanent or temporary structures, either in or out of doors. It does not cover permanently installed rigging systems, and it is not a tutorial or a list of specifications.

Single copy price: Free

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

Order from: Richard Nix; standards@esta.org

Send comments (copy psa@ansi.org) to: standards@esta.org

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | terry.burger@asse-plumbing.org, www.asse-plumbing.org

New Standard

BSR/ASSE 1010-202x, Performance Requirements for Water Hammer Arresters (new standard)

Water hammer arresters are installed on water distribution system piping to prevent detrimental surge pressures within water distribution systems, thereby prolonging the service life of valves, piping, fittings, trim, equipment, appliances, appurtenances, and other devices which are part of the distribution system; and to eliminate noise. This standard addresses the test methods and performance requirements for water hammer arresters.

Single copy price: \$45.00

Obtain an electronic copy from: terry.burger@asse-plumbing.org

Send comments (copy psa@ansi.org) to: terry.burger@asse-plumbing.org

Comment Deadline: November 8, 2021

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | terry.burger@asse-plumbing.org, www.asse-plumbing.org

New Standard

BSR/ASSE 1012-202x, Performance Requirements for Backflow Preventers with an Intermediate Atmospheric Vent (new standard)

Backflow Preventers with Intermediate Atmospheric Vent (referred to in this standard as the “device”) are installed in the plumbing system to prevent backflow into potable water supply lines when pressure is temporarily higher in the polluted part of the system than in the potable water piping. The devices covered by this standard are those which have functional capabilities for preventing both back siphonage and back pressure and which can operate under continuous or intermittent pressure conditions. These devices have two independently operating check valves separated by an intermediate chamber with a means for automatically venting it to the atmosphere and can be installed in the horizontal, vertical up, or vertical down orientations. The check valves are force-loaded to a normally closed position and the venting means is force-loaded to a normally open position.

Single copy price: \$45.00

Obtain an electronic copy from: terry.burger@asse-plumbing.org

Send comments (copy psa@ansi.org) to: terry.burger@asse-plumbing.org

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | terry.burger@asse-plumbing.org, www.asse-plumbing.org

Revision

BSR/ASSE 1001-202x, Performance Requirements for Performance Requirements for Atmospheric Type Vacuum Breakers (revision of ANSI/ASSE 1001-2017)

This standard applies to atmospheric-type vacuum breakers that are single pipe-applied, flushometer-applied, or integrally-applied (does not apply to water closet tank ballcocks or similar devices that depend on float-operated valves to control flow). The purpose of these devices is to provide protection of the potable water supply against pollutants or contaminants that enter the system due to back siphonage through the outlet.

Single copy price: \$45.00

Obtain an electronic copy from: terry.burger@asse-plumbing.org

Send comments (copy psa@ansi.org) to: terry.burger@asse-plumbing.org

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | terry.burger@asse-plumbing.org, www.asse-plumbing.org

Revision

BSR/ASSE 1082-202x, Performance Requirements for Water Heaters with Integral Temperature Control Devices for Hot Water Distribution Systems. (revision of ANSI/ASSE 1082-2018)

This standard is for water heaters that control the outlet temperature to specific limits and are installed within a hot water distribution system but not at point-of-use. A water heater shall consist of a heat exchanger, a cold-water inlet connection, a hot-water outlet connection, and a means for precisely governing the outlet temperature. The device controller shall be listed to the appropriate electrical safety standard in accordance with the device category.

Single copy price: \$45.00

Obtain an electronic copy from: terry.burger@asse-plumbing.org

Send comments (copy psa@ansi.org) to: terry.burger@asse-plumbing.org

Comment Deadline: November 8, 2021

IAPMO (International Association of Plumbing & Mechanical Officials)

4755 East Philadelphia Street, Ontario, CA 91761-2816 | gaby.davis@iapmo.org, www.iapmo.org

Revision

BSR/IAPMO UMC 1-202x, Uniform Mechanical Code (revision of ANSI/IAPMO UMC 1-2021)

This code provides minimum standards to safeguard life or limb, health, property, and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation, and maintenance or use of heating, ventilating, cooling, refrigeration systems, incinerators, and other miscellaneous heat-producing appliances. The provisions of this code apply to the erection, installation, alteration, repair, relocation, replacement, addition to, use, or maintenance of mechanical systems.

Single copy price: \$10.00

Obtain an electronic copy from: Hugo.Aguilar@iapmo.org

Order from: Hugo Aguilar; hugo.aguilar@iapmo.org

Send comments (copy psa@ansi.org) to: Gabriella Davis, Gaby.Davis@iapmo.org

IAPMO (International Association of Plumbing & Mechanical Officials)

4755 East Philadelphia Street, Ontario, CA 91761-2816 | gaby.davis@iapmo.org, www.iapmo.org

Revision

BSR/IAPMO UPC 1-202x, Uniform Plumbing Code (revision of ANSI/IAPMO UPC 1-2021)

This code provides minimum standards and requirements to safeguard life or limb, health, property, and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation, and maintenance or use of plumbing systems. The provisions of this code apply to the erection, installation, alteration, repair, relocation, addition to, use, or maintenance of plumbing systems.

Single copy price: \$10.00

Obtain an electronic copy from: Hugo.Aguilar@iapmo.org

Order from: Hugo Aguilar; hugo.aguilar@iapmo.org

Send comments (copy psa@ansi.org) to: Gabriella Davis, Gaby.Davis@iapmo.org

TCATA (Textile Care Allied Trades Association)

PO Box 690905, Houston, TX 77269-0905 | cfelinski@b11standards.org, www.tcata.org

Reaffirmation

BSR Z8.1-2016 (R202x), Commercial Laundry Equipment and Operations - Safety Requirements (reaffirmation of ANSI Z8.1-2016)

This standard applies to the safety design and safe operation of equipment and some system(s) used in commercial and institutional laundries and drycleaning plants. It does not apply to coin-operated or ticket-operated laundries or any drycleaning establishments (except for Garment Finishing & Pressing Equipment used in plants which primarily process laundered goods).

Single copy price: \$45.00

Obtain an electronic copy from: luci@tcata.org

Send comments (copy psa@ansi.org) to: luci@tcata.org

Comment Deadline: November 8, 2021

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Vickie.T.Hinton@ul.org, <https://ul.org/>

National Adoption

BSR/UL TS 60079-47-202X, Technical Specification for Explosive Atmospheres - Part 47: Equipment Protection by 2-Wire Intrinsically Safe Ethernet Concept (2-WISE) (national adoption with modifications of IEC TS 60079-47)
This proposal is for the Adoption of IEC TS 60079-47, Explosive Atmospheres - Part 47: Equipment Protection by 2-Wire Intrinsically Safe Ethernet Concept (2-WISE), (first edition, issued by IEC February 2021) as a new IEC-based UL Technical Specification, UL TS 60079-47 with US Differences.

Single copy price: Free

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

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

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

UL (Underwriters Laboratories)

333 Pflugsten Road, Northbrook, IL 60062-2096 | Susan.P.Malohn@ul.org, <https://ul.org/>

Reaffirmation

BSR/UL 4730-2017 (R202x), Standard for Nameplate, Datasheet, and Sampling Requirements of Photovoltaic Modules (reaffirmation of ANSI/UL 4730-2017)

(1) Reaffirmation and continuance of the first edition of the Standard for Nameplate, Datasheet, and Sampling Requirements of Photovoltaic Modules, UL 4730, as a standard.

Single copy price: Free

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

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

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

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Vickie.T.Hinton@ul.org, <https://ul.org/>

Reaffirmation

BSR/UL 920004-2014 (R202x), Standard for Safety for Performance Requirements for Open Path Toxic Gas Detectors (reaffirmation of ANSI/UL 920004-2014 (R2017))

This proposal for UL 920004 covers: the Reaffirmation and continuance of the First Edition of the Standard for Safety for Performance Requirements for Open Path Toxic Gas Detectors, UL 920004, as a standard.

Single copy price: Free

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

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

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

Comment Deadline: November 23, 2021

ALI (Automotive Lift Institute)

PO Box 85, 3699 Luker Road, Cortland, NY 13045 | info@autolift.org, www.autolift.org

Revision

BSR/ALI ALIS-202x, Standard for Automotive Lifts - Safety Requirements for Installation and Service (revision of ANSI/ALI ALIS:2009 (R2015))

This standard covers the safety requirements for the installation and service of automotive lifts.

Single copy price: \$15.00

Order from: Bob O'Gorman; info@autolift.org

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

Withdrawal of an ANS by ANSI-Accredited Standards Developer

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

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Nicolette.A.Weeks@ul.org, <https://ul.org/>

ANSI/UL 1626-2018, Standard for Residential Sprinklers for Fire-Protection Service

Questions may be directed to: Nicolette Weeks; Nicolette.A.Weeks@ul.org

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Nicolette.A.Weeks@ul.org, <https://ul.org/>

ANSI/UL 1767-2015, Standard for Safety for Early-Suppression Fast-Response Sprinklers

Questions may be directed to: Nicolette Weeks; Nicolette.A.Weeks@ul.org

Final Actions on American National Standards

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

AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 | tambrosius@aafs.org, www.aafs.org

New Standard

ANSI/ASB Std 105-2021, Minimum Education Requirements for Firearm and Toolmark Examiner Trainees (new standard) Final Action Date: 9/17/2021

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision

ANSI/ASTM D2624-2021, Test Methods for Electrical Conductivity of Aviation and Distillate Fuels (revision of ANSI/ASTM D2624-2015) Final Action Date: 9/7/2021

BHMA (Builders Hardware Manufacturers Association)

355 Lexington Avenue, 15th Floor, New York, NY 10017-6603 | Kbishop@Kellencompany.com, www.kellencompany.com

Revision

ANSI/BHMA A156.6-2021, Standard for Architectural Door Trim (revision of ANSI/BHMA A156.6-2015) Final Action Date: 9/13/2021

Revision

ANSI/BHMA A156.20-2021, Standard for Strap and Tee Hinges, and Hasps (revision of ANSI/BHMA A156.20-2017) Final Action Date: 9/13/2021

Revision

ANSI/BHMA A156.26-2021, Standard for Continuous Hinges (revision of ANSI/BHMA A156.26-2017) Final Action Date: 9/13/2021

HL7 (Health Level Seven)

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 | Karenvan@HL7.org, www.hl7.org

New Standard

ANSI/HL7 CDAR2 QRDA3, R1-2021, HL7 CDA® R2 Implementation Guide: Quality Reporting Document Architecture (QRDA III), Release 1 - US Realm (new standard) Final Action Date: 9/13/2021

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

4755 East Philadelphia Street, Ontario, CA 91761 | hugo.aguilar@iapmo.org, <https://www.iapmostandards.org>

New Standard

ANSI/IAPMO H1001.1-2021, Quality of Heat Transfer Fluids Used in Hydronics Systems (new standard) Final Action Date: 9/16/2021

ICC (International Code Council)

4051 Flossmoor Road, Country Club Hills, IL 60478 | kaittaniemi@iccsafe.org, www.iccsafe.org

Revision

ANSI/ICC 400-2021, Standard on the Design and Construction of Log Structures (revision of ANSI/ICC 400-2017) Final Action Date: 9/14/2021

IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005-4001 | pmcgillicuddy@ies.org, www.ies.org

New Standard

ANSI/IES RP-45-2021, Recommended Practice: Horticultural Lighting (new standard) Final Action Date: 9/17/2021

New Standard

ANSI/IES TM-37-2021, Technical Memorandum: Description, Measurement, and Estimation of Sky Glow (new standard) Final Action Date: 9/17/2021

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 | PFoley@nfpa.org, www.nfpa.org

Revision

ANSI/NFPA 318-2021, Standard for the Protection of Semiconductor Fabrication Facilities (revision of ANSI/NFPA 318-2018) Final Action Date: 9/15/2021

Revision

ANSI/NFPA 501-2021, Standard on Manufactured Housing (revision of ANSI/NFPA 501-2017) Final Action Date: 9/15/2021

RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)

2001 K Street, NW, 3rd Floor North, Washington, DC 20006 | dweinbaum@resna.org, www.resna.org

New Standard

ANSI/RESNA AT-1-Section 4-2021, RESNA Standard for Assistive Technology for Air Travel - Volume 1: Requirements and Test Methods Related to Mobility Devices (new standard) Final Action Date: 9/16/2021

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | patricia.a.sena@ul.org, https://ul.org/

Reaffirmation

ANSI/UL 2231-1-2016 (R2021), Standard For Safety For Personnel Protection Systems for Electric Vehicle (EV) Supply Circuits: General Requirements (reaffirmation of ANSI/UL 2231-1-2016) Final Action Date: 9/16/2021

Reaffirmation

ANSI/UL 60079-2-2017 (R2021), Standard for Safety for Explosive Atmospheres - Part 2: Equipment Protection by Pressurized Enclosure "p" (reaffirm a national adoption ANSI/UL 60079-2-2017) Final Action Date: 9/15/2021

Revision

ANSI/UL 201-2021, UL Standard for Safety for Garage Equipment (revision of ANSI/UL 201-2019) Final Action Date: 9/16/2021

Revision

ANSI/UL 430-2021, Standard for Safety for Waste Disposers (revision of ANSI/UL 430-2018) Final Action Date: 9/14/2021

Revision

ANSI/UL 827-2021, Standard for Safety for Central-Station Alarm Services (revision of ANSI/UL 827-2020) Final Action Date: 9/15/2021

Revision

ANSI/UL 1240-2021, Standard for Safety for Electric Commercial Clothes-Drying Equipment (revision of ANSI/UL 1240-2019) Final Action Date: 9/14/2021

Call for Members (ANS Consensus Bodies)

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

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 | OMunteanu@aami.org, www.aami.org
Ovidiu Munteanu; OMunteanu@aami.org

BSR/AAMI EQ89-2015 (R202x), Guidance for the use of medical equipment maintenance strategies and procedures (reaffirmation of ANSI/AAMI EQ89-2015)

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 | smoulton@abycinc.org, www.abycinc.org
Sara Moulton; smoulton@abycinc.org

BSR/ABYC H-30-202x, Hydraulic Systems (revision of ANSI/ABYC H-30-2017)

We are actively seeking consensus body members who are engine manufacturers in the marine industry and who can be designated consumer/general interest .

BSR/ABYC H-35-202x, Powering and Load Capacity of Pontoon Boats (revision of ANSI/ABYC H-35-2017)

Seeking consensus body members who are classified as specialist service to the boating industry.

BSR/ABYC H-37-202x, Jet Boats - Light Weight (revision of ANSI/ABYC H-37-2017)

Seeking consensus body members who are classified as specialist service to the boating industry.

BSR/ABYC S-30-202x, Outboard Engine and Related Equipment Weights (revision of ANSI/ABYC S-30-2017)

Seeking consensus body members who identify as specialist service to the marine industry.

AISC (American Institute of Steel Construction)

130 E. Randolph Street, Suite 2000, Chicago, IL 60601 | matthew@aisc.org, www.aisc.org
Margaret Matthew; matthew@aisc.org

BSR/AISC 358-202x, Prequalified Connections for Special and Intermediate Steel Moment Frames for Seismic Applications (revision, redesignation and consolidation of ANSI/AISC 358-2016, ANSI/AISC 358-S1-2018, and ANSI/AISC 358-S2-2020)

ALI (Automotive Lift Institute)

PO Box 85, 3699 Luker Road, Cortland, NY 13045 | info@autolift.org, www.autolift.org
Bob O'Gorman; info@autolift.org

BSR/ALI ALIS-202x, Standard for Automotive Lifts - Safety Requirements for Installation and Service (revision of ANSI/ALI ALIS:2009 (R2015))

AMPP (Association for Materials Protection and Performance)

15835 Park Ten Place, Houston, TX 77084 | rick.southard@ampp.org, www.nace.org
Richard Southard; rick.southard@ampp.org

BSR/AMPP MR0175-202x/ISO 15156-2020, Petroleum and natural gas industries - Materials for use in H₂S-containing environments in oil and gas production (identical national adoption of ISO 15156:2020 and revision of ANSI/NACE MR0175/ISO 15156-2015)

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | jrosario@aws.org, www.aws.org
Jennifer Rosario; jrosario@aws.org

BSR/AWS B2.1-22-015-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Aluminum (M/P-22 to M/P-22), 18 through 10 Gauge, ER4043 or R4043, in the As-Welded Condition, with or without Backing (new standard)

BSR/AWS C4.4/C4.4M-202x, Recommended Practices for Heat Shaping and Straightening with Oxyfuel Gas Heating Torches (new standard)

ESTA (Entertainment Services and Technology Association)

271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 | standards@esta.org, www.esta.org
Richard Nix; standards@esta.org

BSR/ES1.18-202x, Event Safety - Rigging (new standard)

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

700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org
Deborah Spittle; comments@standards.incits.org

INCITS/ISO/IEC 14776-224:2019 [202x], Information Technology - Small Computer System Interface (SCSI) - Part 224: Fibre Channel Protocol For SCSI, Fourth Version (FCP-4) (identical national adoption of ISO/IEC 14776-224:2019)

INCITS/ISO/IEC 14776-232:2001 [202x], Information Technology - Small Computer System Interface (SCSI) - Part 232: Serial Bus Protocol-2 (SBP-2) (identical national adoption of ISO/IEC 14776-232:2001)

INCITS/ISO/IEC 14776-415:2019 [202x], Information Technology - Small Computer System Interface (SCSI) - Part 415: SCSI Architecture Model - 5 (SAM-5) (identical national adoption of ISO/IEC 14776-415:2019)

INCITS/ISO/IEC 14776-481:2019 [202x], Information Technology - Small Computer System Interface (SCSI) - Part 481: Security Features For SCSI Commands (SFSC) (identical national adoption of ISO/IEC 14776-481:2019)

INCITS/ISO/IEC 23001-9:2016 [202x], Information technology - MPEG systems technologies - Part 9: Common encryption of MPEG-2 transport streams (identical national adoption of ISO/IEC 23001-9:2016)

INCITS/ISO/IEC 23001-1:2006/COR1:2007 [202x], Information technology - MPEG systems technologies - Part 1: Binary MPEG format for XML - Technical Corrigendum 1 (identical national adoption of ISO/IEC 23001-1:2006/COR1:2007)

INCITS/ISO/IEC 23001-1:2006/COR2:2007 [202x], Information technology - MPEG systems technologies - Part 1: Binary MPEG format for XML - Technical Corrigendum 2 (identical national adoption of ISO/IEC 23001-1:2006/COR2:2007)

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

700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

INCITS/ISO/IEC 23008-2:2020/AM1:2021 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 2: High efficiency video coding - Amendment 1: Shutter interval information SEI message (identical national adoption of ISO/IEC 23008-2:2020/AM1:2021)

INCITS/ISO/IEC 27033-6:2016 [202x], Information technology - Security techniques - Network security - Part 6: Securing wireless IP network access (identical national adoption of ISO/IEC 27033-6:2016)

INCITS/ISO/IEC 30134-1:2016 [202x], Information technology - Data centres - Key performance indicators - Part 1: Overview and general requirements (identical national adoption of ISO/IEC 30134-1:2016)

INCITS/ISO/IEC 30134-2:2016 [202x], Information technology - Data centres - Key performance indicators - Part 2: Power usage effectiveness (PUE) (identical national adoption of ISO/IEC 30134-2:2016)

INCITS/ISO/IEC 30134-3:2016 [202x], Information technology - Data centres - Key performance indicators - Part 3: Renewable energy factor (REF) (identical national adoption of ISO/IEC 30134-3:2016)

INCITS/ISO/IEC 30134-1:2016/AM1:2018 [202x], Information technology - Data centres - Key performance indicators - Part 1: Overview and general requirements - Amendment 1 (identical national adoption of ISO/IEC 30134-1:2015/AM1:2018)

INCITS/ISO/IEC 30134-2:2016/AM1:2018 [202x], Information technology - Data centres - Key performance indicators - Part 2: Power usage effectiveness (PUE) - Amendment 1 (identical national adoption of ISO/IEC 30134-2:2016/AM1:2018)

INCITS/ISO/IEC 30134-3:2016/AM1:2018 [202x], Information technology - Data centres - Key performance indicators - Part 3: Renewable energy factor (REF) - Amendment 1 (identical national adoption of ISO/IEC 30134-3:2016/AM1:2018)

INCITS/ISO/IEC 23544:2021 [202x], Information Technology - Data centres - Application Platform Energy Effectiveness (APEE) (identical national adoption of ISO/IEC 23544:2021)

INCITS/ISO/IEC 29151:2017 [202x], Information Technology - Security Techniques - Code of Practice for Personally Identifiable Information Protection (identical national adoption of ISO/IEC 29151:2017)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | arose@nsf.org, www.nsf.org
Allan Rose; arose@nsf.org

BSR/NSF 7-202x (i25r2), Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2019)

BSR/NSF 50-202x (i170r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020)

BSR/NSF 51-202x (i17r3), Food Equipment Materials (revision of ANSI/NSF 51-2019)

BSR/NSF 140-202x (i30r1), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2019)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | jevans@nsf.org, www.nsf.org

BSR/NSF 140-202x (i31r1), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2019)

BSR/NSF 140-202x (i32r1), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2019)

BSR/NSF 140-202x (i33r1), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2019)

BSR/NSF 140-202x (i34r1), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2019)

BSR/NSF 140-202x (i35r1), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2019)

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org
Natasha Bush-Postell; standards@tappi.org

BSR/TAPPI T 832 om-202x, Water absorption of corrugating medium: Float curl method (revision of ANSI/TAPPI T 832 om-2012)

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.

American National Standards (ANS) Announcements

Corrections

APA - APA - The Engineered Wood Association

Approved Designation: ANSI/APA PRG 320-2019

A typographical error was noted in the **January 10, 2020 Standards Action** - Notification of Final Actions. The correct designation for the following approved standard is "**ANSI/APA PRG 320-2019**". Please direct inquiries to: Borjen Yeh; borjen.yeh@apawood.org

Accreditation Announcements (Standards Developers)

Approval of Accreditation – ASD

BEPP - Board of Executive Protection Professionals

Effective September 20, 2021

ANSI's Executive Standards Council has approved **BEPP - Board of Executive Protection Professionals**, a new ANSI member in 2021, as an ANSI Accredited Standards Developer (ASD) under its own operating procedures for documenting consensus on BEPP -sponsored American National Standards, effective **September 20, 2021**. For additional information, please contact: James Cameron, Board of Executive Protection Professionals | 8131 Dolce Flore Avenue, Las Vegas, NV 89178 | (714) 510-0671, info@ep-board.com

Approval of Reaccreditation – ASD

APCO - Association of Public-Safety Communications Officials-International

Effective September 21, 2021

The reaccreditation of **APCO - Association of Public-Safety Communications Officials-International** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on APCO-sponsored American National Standards, effective **September 21, 2021**. For additional information, please contact: Mindy Adams, Association of Public-Safety Communications Officials-International (APCO) | 351 N. Williamson Boulevard, Daytona Beach, FL 32114-1112 | (469) 424-7599, apcostandards@apcointl.org

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

RIA - Robotic Industries Association

GoToMeeting Schedule:

ANSI-Accredited Standards Committee: R15.08, Industrial Mobile Robot Safety

Meeting Format & Location: Remote via GoToMeeting

Meeting Sponsor/Host: A3, the Association for Advancing Automation

Purpose: Interim review of Drafting Team's work on Part 2 (partial draft)

Day/Date/Time: The meeting will be held in several sessions as follows:

Virtual Session #1: Tuesday, November 2, 2021; 10:00 AM – 12:00 noon (EDT) / 7:00 AM – 9:00 AM (PT)

Virtual Session #2: Tuesday, November 2, 2021; 2:00 – 4:00 PM (EDT) / 11:00 AM – 1:00 AM (PT)

Virtual Session #3: Wednesday, November 3, 2021; 10:00 AM – 12:00 noon (EDT) / 7:00 AM – 9:00 AM (PT)

Virtual Session #4: Wednesday, November 3, 2021; 2:00 – 4:00 PM (EDT) / 11:00 AM – 1:00 AM (PT)

Virtual Session #5: Thursday, November 4, 2021; 10:00 AM – 12:00 noon (EDT) / 7:00 AM – 9:00 AM (PT)

Virtual Session #6: Thursday, November 4, 2021; 2:00 – 4:00 PM (EDT) / 11:00 AM – 1:00 AM (PT)

Note: Later meeting sessions could be cancelled if not needed.

For More Information: Contact Carole Franklin, cfranklin@automate.org.

ANSI-Accredited Standards Committee: R15.06, Industrial Robot Safety

Meeting Format & Location: Remote via GoToMeeting

Meeting Sponsor/Host: A3, the Association for Advancing Automation

Purpose: Discuss plans for the next edition of the R15.06 standard as a national adoption of the ISO 10218 update currently in process; progress report for new TRs; other topics, TBD as time permits.

Day/Date/Time: The meeting will be held as follows:

Virtual Session: Wednesday, 10 Nov 2021, 10:00 AM – 2:30 PM (EST) / 7:00 AM – 11:30 AM (PT)

For More Information: Contact Carole Franklin, cfranklin@automate.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 link is 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 (ASD) Contacts

The addresses listed in this section are to be used in conjunction with standards listed in PINS, Call for Comment, Call for Members 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 the PSA Department at psa@ansi.org.

AAFS

American Academy of Forensic Sciences
410 North 21st Street
Colorado Springs, CO 80904
www.aafs.org

Teresa Ambrosius
tambrosius@aafs.org

AAMI

Association for the Advancement of
Medical Instrumentation
901 N. Glebe Road, Suite 300
Arlington, VA 22203
www.aami.org

Ovidiu Munteanu
OMunteanu@aami.org

ABYC

American Boat and Yacht Council
613 Third Street, Suite 10
Annapolis, MD 21403
www.abycinc.org

Sara Moulton
smoulton@abycinc.org

AISC

American Institute of Steel Construction
130 E. Randolph Street, Suite 2000
Chicago, IL 60601
www.aisc.org

Margaret Matthew
matthew@aisc.org

ALI

Automotive Lift Institute
PO Box 85, 3699 Luker Road □
Cortland, NY 13045
www.autolift.org

Bob O'Gorman
info@autolift.org

AMPP

Association for Materials Protection and
Performance
15835 Park Ten Place
Houston, TX 77084
www.nace.org

Richard Southard
rick.southard@ampp.org

ANS

American Nuclear Society
555 North Kensington Avenue
La Grange Park, IL 60526
www.ans.org

Kathryn Murdoch
kmurdoch@ans.org

APCO

Association of Public-Safety
Communications Officials-International
351 N. Williamson Boulevard
Daytona Beach, FL 32114
www.apcolntl.org

Mindy Adams
apcostandards@apcointl.org

ASABE

American Society of Agricultural and
Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
<https://www.asabe.org/>

Carla VanGilder
vangilder@asabe.org

Walter Brace
brace@asabe.org

ASHRAE

American Society of Heating, Refrigerating
and Air-Conditioning Engineers, Inc.
180 Technology Parkway
Peachtree Corners, GA 30092
www.ashrae.org

Emily Toto
etoto@ashrae.org

Mark Weber
mweber@ashrae.org

ASME

American Society of Mechanical Engineers
Two Park Avenue, M/S 6-2B
New York, NY 10016
www.asme.org

Terrell Henry
ansibox@asme.org

ASTM

ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428
www.astm.org

Laura Klineburger
accreditation@astm.org

AWS

American Welding Society
8669 NW 36th Street, Suite 130
Miami, FL 33166
www.aws.org

Jennifer Rosario
jrosario@aws.org

AWWA

American Water Works Association
6666 W. Quincy Avenue
Denver, CO 80235
www.awwa.org

Paul Olson
polson@awwa.org

BHMA

Builders Hardware Manufacturers
Association
355 Lexington Avenue, 15th Floor
New York, NY 10017
www.buildershardware.com

Karen Bishop
Kbishop@Kellencompany.com

CSA

CSA America Standards Inc.
8501 E. Pleasant Valley Road
Cleveland, OH 44131
www.csagroup.org

Debbie Chesnik
ansi.contact@csagroup.org

ANSI-Accredited Standards Developers Contact Information

ESTA

Entertainment Services and Technology
Association
271 Cadman Plaza, P.O. Box 23200
Brooklyn, NY 11202
www.esta.org

Richard Nix
standards@esta.org

HL7

Health Level Seven
3300 Washtenaw Avenue, Suite 227
Ann Arbor, MI 48104
www.hl7.org

Karen Van Hentenryck
Karenvan@HL7.org

IAPMO

International Association of Plumbing &
Mechanical Officials
4755 East Philadelphia Street
Ontario, CA 91761
www.iapmo.org

Gabriella Davis
gaby.davis@iapmo.org

IAPMO (ASSE Chapter)

ASSE International Chapter of IAPMO
18927 Hickory Creek Drive, Suite 220
Mokena, IL 60448
www.asse-plumbing.org

Terry Burger
terry.burger@asse-plumbing.org

IAPMO (Z)

International Association of Plumbing &
Mechanical Officials
4755 East Philadelphia Street
Ontario, CA 91761
https://www.iapmostandards.org

Hugo Aguilar
hugo.aguilar@iapmo.org

ICC

International Code Council
4051 Flossmoor Road
Country Club Hills, IL 60478
www.iccsafe.org

Karl Aittaniemi
kaittaniemi@iccsafe.org

IEEE (ASC C63)

Institute of Electrical and Electronics
Engineers
445 Hoes Lane
Piscataway, NJ 08854
www.ieee.org

Jennifer Santulli
J.Santulli@ieee.org

IES

Illuminating Engineering Society
120 Wall Street, Floor 17
New York, NY 10005
www.ies.org

Patricia McGillicuddy
pmcgillicuddy@ies.org

ITI (INCITS)

InterNational Committee for Information
Technology Standards
700 K Street NW, Suite 600
Washington, DC 20001
www.incits.org

Deborah Spittle
comments@standards.incits.org

NEMA (ASC C137)

National Electrical Manufacturers
Association
1300 N 17th Street, Suite 900
Rosslyn, VA 22209
www.nema.org

Michael Erbesfeld
Michael.Erbesfeld@nema.org

NFPA

National Fire Protection Association
One Batterymarch Park
Quincy, MA 02269
www.nfpa.org

Patrick Foley
PFoley@nfpa.org

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105
www.nsf.org

Allan Rose
arose@nsf.org

Jason Snider
jsnider@nsf.org

Jessica Evans
jevans@nsf.org

RESNA

Rehabilitation Engineering and Assistive
Technology Society of North America
2001 K Street, NW, 3rd Floor North
Washington, DC 20006
www.resna.org

Doug Weinbaum
dweinbaum@resna.org

SCTE

Society of Cable Telecommunications
Engineers
140 Philips Rd
Exton, PA 19341
www.scte.org

Kim Cooney
kcooney@scte.org

SPRI

Single Ply Roofing Industry
465 Waverley Oaks Road, Suite 421
Waltham, MA 02452
www.spri.org

Linda King
info@spri.org

TAPPI

Technical Association of the Pulp and
Paper Industry
15 Technology Parkway, Suite 115
Peachtree Corners, GA 30092
www.tappi.org

Natasha Bush-Postell
standards@tappi.org

TCATA

Textile Care Allied Trades Association
PO Box 690905
Houston, TX 77269
www.tcata.org

Chris Felinski
cfelinski@b11standards.org

UL

Underwriters Laboratories
12 Laboratory Drive
Research Triangle Park, NC 27709
https://ul.org/

Kelly Smoke
kelly.smoke@ul.org

ANSI-Accredited Standards Developers Contact Information

Patricia Sena
patricia.a.sena@ul.org

Vickie Hinton
Vickie.T.Hinton@ul.org

Wathma Jayathilake
Wathma.Jayathilake@ul.org

UL

Underwriters Laboratories
12 Laboratory Drive, P.O. Box 13995
Research Triangle Park, NC 27709
<https://ul.org/>

Doreen Stocker
Doreen.Stocker@ul.org

UL

Underwriters Laboratories
333 Pfingsten Road
Northbrook, IL 60062
<https://ul.org/>

Susan Malohn
Susan.P.Malohn@ul.org

UL

Underwriters Laboratories
47173 Benicia Street
Fremont, CA 94538
<https://ul.org/>

Paul Lloret
Paul.E.Lloret@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

Acoustics (TC 43)

ISO/DIS 5128, Acoustics - Measurement of interior vehicle noise - 11/11/2019, \$102.00

Agricultural food products (TC 34)

ISO/DIS 24583, Quantitative nuclear magnetic resonance spectroscopy - Purity determination of organic compounds used for foods and food products - General requirements - 11/11/2019, \$102.00

Aircraft and space vehicles (TC 20)

ISO/DIS 23629-12, UAS traffic management (UTM) - Part 12: Requirements for UTM service providers - 11/11/2019, \$98.00

Building construction (TC 59)

ISO/DIS 6707-3, Buildings and civil engineering works - Vocabulary - Part 3: Sustainability terms - 11/11/2019, \$119.00

Corrosion of metals and alloys (TC 156)

ISO/DIS 3079, A two-electrode method using acetic acid to measure pitting potential of aluminium and aluminium alloys in chloride solutions - 11/4/2003, \$46.00

ISO/DIS 23669, Corrosion of metals and alloys - Guidelines for localised corrosion and environmentally assisted cracking testing of additively manufactured metals and alloys - 11/2/2030, \$40.00

Cryogenic vessels (TC 220)

ISO/DIS 21012, Cryogenic vessels - Hoses - 11/10/2016, \$82.00

ISO/FDIS 21013-1, Cryogenic vessels - Pressure-relief accessories for cryogenic service - Part 1: Reclosable pressure-relief valves - 11/11/2029, \$58.00

Cycles (TC 149)

ISO/DIS 4210-1, Cycles - Safety requirements for bicycles - Part 1: Terms and definitions - 11/3/2027, \$46.00

ISO/DIS 4210-2, Cycles - Safety requirements for bicycles - Part 2: Requirements for city and trekking, young adult, mountain and racing bicycles - 11/3/2027, \$98.00

ISO/DIS 4210-3, Cycles - Safety requirements for bicycles - Part 3: Common test methods - 11/3/2027, \$53.00

ISO/DIS 4210-4, Cycles - Safety requirements for bicycles - Part 4: Braking test methods - 11/3/2027, \$98.00

ISO/DIS 4210-5, Cycles - Safety requirements for bicycles - Part 5: Steering test methods - 11/3/2027, \$62.00

ISO/DIS 4210-6, Cycles - Safety requirements for bicycles - Part 6: Frame and fork test methods - 11/3/2027, \$93.00

ISO/DIS 4210-7, Cycles - Safety requirements for bicycles - Part 7: Wheels and rims test methods - 11/3/2027, \$53.00

ISO/DIS 4210-8, Cycles - Safety requirements for bicycles - Part 8: Pedal and drive system test methods - 11/3/2027, \$53.00

ISO/DIS 4210-9, Cycles - Safety requirements for bicycles - Part 9: Saddles and seat-post test methods - 11/3/2027, \$46.00

Ergonomics (TC 159)

ISO/DIS 7933.2, Ergonomics of the thermal environment - Analytical determination and interpretation of heat stress using calculation of the predicted heat strain - 11/2/2006, \$93.00

ISO/DIS 24553, Ergonomics - Accessible design - Ease of operation - 11/3/2006, \$107.00

Fasteners (TC 2)

ISO/DIS 7380-1, Fasteners - Button head screws with reduced loadability - Part 1: Hexagon socket button head screws - 11/3/2006, \$46.00

ISO/DIS 7380-2, Fasteners - Button head screws with reduced loadability - Part 2: Hexagon socket button head screws with collar - 11/3/2006, \$53.00

Industrial trucks (TC 110)

ISO/DIS 3691-4, Industrial trucks - Safety requirements and verification - Part 4: Driverless industrial trucks and their systems - 11/3/2006, \$146.00

Information and documentation (TC 46)

ISO/DIS 23527, Information and documentation - Research activity identifier information technology - Learning, education, training and research (RAiD) - 11/11/2019, \$58.00

Lifts, escalators, passenger conveyors (TC 178)

ISO/FDIS 8103-9, Escalators and moving walks - Part 9: Measurement of ride quality -, \$71.00

ISO/DIS 8100-33, Lifts for the transport of persons and goods - Part 33: T-type guide rails for lift cars and counterweights - 11/3/2006, \$67.00

Light gauge metal containers (TC 52)

ISO/DIS 5099, Light gauge metal containers - Easy open ends and peel off ends - Dimensions - 11/3/2006, \$46.00

Materials, equipment and offshore structures for petroleum and natural gas industries (TC 67)

ISO/DIS 24139-1, Petroleum and natural gas industries - Corrosion resistant alloy clad bends and fittings for pipeline transportation system - Part 1: Clad bends - 11/11/2019, \$112.00

Non-destructive testing (TC 135)

ISO/FDIS 9712, Non-destructive testing - Qualification and certification of NDT personnel - 11/2/2010, \$112.00

ISO/DIS 24543, Non-destructive testing - Acoustic emission testing - Verification of the receiving sensitivity spectra of piezoelectric acoustic emission sensors - 11/2/2030, \$125.00

Nuclear energy (TC 85)

ISO/FDIS 21909-2, Passive neutron dosimetry systems - Part 2: Methodology and criteria for the qualification of personal dosimetry systems in workplaces - 11/3/2016, \$98.00

Paints and varnishes (TC 35)

ISO/DIS 11127-7, Preparation of steel substrates before application of paints and related products - Test methods for non-metallic blast-cleaning abrasives - Part 7: Determination of water-soluble chlorides - 11/3/2006, \$46.00

Personal safety - Protective clothing and equipment (TC 94)

ISO/DIS 12311, Personal protective equipment - Test methods for sunglasses and related eyewear - 11/3/2006, \$67.00

Photography (TC 42)

ISO/FDIS 18913, Imaging materials - Permanence - Vocabulary - 11/11/2014, \$98.00

Plastics pipes, fittings and valves for the transport of fluids (TC 138)

ISO 4427-2:2019/DAMd 1, Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 2: Pipes - Amendment 1 - 11/3/2000, \$33.00

Powder metallurgy (TC 119)

ISO/DIS 2740, Sintered metal materials, excluding hardmetals - Tensile test pieces - 11/3/2001, \$40.00

Railway applications (TC 269)

ISO/DIS 24478, Railway applications - Braking - Generic vocabulary - 11/11/2019, \$93.00

Road vehicles (TC 22)

ISO/DIS 18669-2, Internal combustion engines - Piston pins - Part 2: Inspection measuring principles - 11/2/2030, \$67.00

Steel (TC 17)

ISO/DIS 14284, Steel and iron - Sampling and preparation of samples for the determination of chemical composition - 11/3/2000, \$112.00

Timber (TC 218)

ISO/DIS 8965.2, Logging industry - Technology - Vocabulary - 11/2/2006, \$88.00

Welding and allied processes (TC 44)

ISO/DIS 11745, Brazing for aerospace applications - Qualification test for brazers and brazing operators - Brazing of metallic components - 11/4/2003, \$71.00

ISO/IEC JTC 1, Information Technology

ISO/IEC FDIS 15962, Information technology - Radio frequency identification (RFID) for item management - Data protocol: data encoding rules and logical memory functions - 11/7/2011, \$215.00

ISO/IEC DIS 23859-1, Information technology - User interfaces - Part 1: Guidance on making written text easy to read and easy to understand - 11/3/2001, \$82.00

IEC Standards

45A/1402/NP, PNW 45A-1402 ED1: Nuclear Power Plants - Instrumentation and control systems important to safety - Cable assemblies for Harsh Environment Purposes, 11/12/2021

61/6365(F)/FDIS, IEC 60335-2-49 ED5: Household and similar electrical appliances - Safety - Part 2-49: Particular requirements for commercial electric appliances for keeping food and crockery warm, 10/01/2021

94/548/NP, PNW 94-548 ED1: All-or-Nothing Electrical Relays - Testing and Measurement - Part 7-27: Electrical contact noise, 11/12/2021

94/549/NP, PNW 94-549 ED1: All-or-Nothing Electrical Relays - Testing and Measurement - Part 7-28: Thermoelectric e.m.f., 11/12/2021

94/550/NP, PNW 94-550 ED1: All-or-Nothing Electrical Relays - Testing and Measurement - Part 7-38: Mechanical interlock, 11/12/2021

100/3657/Q, Establishment of a PWI for "Remote control and remote assist system in home and local area"- Call for members, 12/17/2021

100/3658/NP, PNW 100-3658 ED1: Portable multimedia equipment - Determination of battery duration - Part 2: Headphones and earphones with active noise cancelling functions, 12/10/2021

103/221/CDV, IEC 63098-2 ED1: Transmitting and receiving equipment for radiocommunication - Radio-over-fibre technologies and their performance standard - Part 2: Radio over fibre-based fronthaul network for railway communication system, 12/10/2021

113/621/NP, PNW TS 113-621 ED1: IEC TS 62607-6-27 Nanomanufacturing - Key control characteristics - Part 06-27: Two-dimensional materials - Field-effect mobility: 4-Point Probe Field-Effect Transistor method, 12/10/2021

Cables, wires, waveguides, r.f. connectors, and accessories for communication and signalling (TC 46)

46A/1511/CDV, IEC 61196-4 ED4: Coaxial communication cables - Part 4: Sectional specification for radiating cables, 12/10/2021

46A/1512/CDV, IEC 61196-4-1 ED2: Coaxial communication cables - Part 4-1: Blank detail specification for radiating cables, 12/10/2021

46C/1201/CD, IEC 61156-7 ED2: Multicore and symmetrical pair/quad cables for digital communications - Part 7: Symmetrical pair cables with transmission characteristics up to 1 200 MHz - Sectional specification for digital and analog communication cables, 12/10/2021

46C/1202/CD, IEC 61156-8 ED2: Multicore and symmetrical pair/quad cables for digital communications - Part 8: Symmetrical pair/quad cables with transmission characteristics up to 1 200 MHz - Work area wiring - Sectional specification, 12/10/2021

Capacitors and resistors for electronic equipment (TC 40)

40/2881/DTR, IEC TR 63362-1 ED1: Application of fixed capacitors in electronic equipment - Part 1: Aluminium electrolytic capacitors, 11/12/2021

Dependability (TC 56)

56/1931/CD, IEC 60300-1 ED4: Dependability management - Part 1: Enabling dependability, 11/12/2021

Electrical equipment in medical practice (TC 62)

62B/1260/CD, IEC 62220-2 ED1: Medical electrical equipment - Characteristics of digital X-ray imaging devices - Part 2: Determination of dual-energy subtraction efficiency - Detectors used for dual-energy radiographic imaging, 12/10/2021

Electrical installations of buildings (TC 64)

64/2511/CD, IEC 60364-5-52/AMD1 ED3: Amendment 1 - Low-voltage electrical installations - Part 5-52: Selection and erection of electrical equipment - Wiring systems, 01/07/2022

Electrical installations of ships and of mobile and fixed offshore units (TC 18)

18/1737/FDIS, IEC/IEEE 80005-1/AMD1 ED2: Amendment 1 - Utility connections in port - Part 1: High voltage shore connection (HVSC) systems - General requirements, 10/29/2021

Electrostatics (TC 101)

101/642/Q, Proposal for a Technical Corrigendum for IEC 61340-2-3:2016 ED 2.0 Electrostatics - Part 2-3: Methods of test for determining the resistance and resistivity of solid materials used to avoid electrostatic charge accumulation, 10/29/2021

Equipment for electrical energy measurement and load control (TC 13)

13/1848/CD, IEC 62052-31 ED2: Electricity metering equipment (AC) - General requirements, tests and test conditions - Part 31: Product safety requirements and tests, 01/07/2022

13/1849/CD, IEC 62057-3 ED1 Test equipment, techniques and procedures for electrical energy meters - Part 3: Automatic Meter Testing System (AMTS), 12/10/2021

Fibre optics (TC 86)

86B/4503(F)/CDV, IEC 61300-2-5 ED4: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-5: Tests - Torsion, 12/03/2021

86B/4504(F)/CDV, IEC 61300-3-35 ED3: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-35: Examinations and measurements - Visual inspection of fibre optic connectors and fibre-stub transceivers, 12/03/2021

86B/4528/CD, IEC 61300-2-33 ED4: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-33: Tests - Assembly and disassembly of fibre optic mechanical splices, fibre management systems and protective housings, 12/10/2021

Flat Panel Display Devices (TC 110)

110/1355/CD, IEC TR 62715-6-21 ED1: Flexible display devices - Part 6-21: Foldable durability test for foldable display set, 11/12/2021

110/1356/CD, IEC 62715-6-7 ED1: Flexible display devices ? Part 6-7:
Crease and waviness measurement methods, 11/12/2021

Lamps and related equipment (TC 34)

34/839/CDV, IEC 62386-101 ED3: Digital addressable lighting
interface - Part 101: General requirements - System components,
12/10/2021

34/841/CDV, IEC 62386-103 ED2: Digital addressable lighting
interface - Part 103: General requirements - Control devices,
12/10/2021

34/842/CDV, IEC 62386-102 ED3: Digital addressable lighting
interface - Part 102: General requirements - Control gear,
12/10/2021

34C/1536/FDIS, IEC 61347-2-7/AMD2 ED3: Amendment 2 - Lamp
controlgear - Part 2-7: Particular requirements for electric source
for safety services (ESSS) supplied electronic controlgear for
emergency lighting (self-contained), 10/29/2021

34D/1635/FDIS, IEC 60598-2-22 ED5: Luminaires - Part 2-22:
Particular requirements - Luminaires for emergency lighting,
10/29/2021

Lightning protection (TC 81)

81/666/CD, IEC 62561-4 ED3: Lightning protection system
components (LPSC) - Part 4: Requirements for conductor
fasteners, 11/12/2021

Maritime navigation and radiocommunication equipment and systems (TC 80)

80/1009A/DC, Proposed technical corrigendum to IEC 61097-2
ED4:2021, Global maritime distress and safety system (GMDSS) -
Part 2: Cospas-Sarsat EPIRB - Emergency position indicating radio
beacon operating on 406 MHz - Operational and performance
requirements, methods of testing and required test results,
10/15/2021

Nanotechnology standardization for electrical and electronic products and systems (TC 113)

113/614/CDV, ISO 80004-1 ED1: Nanotechnologies -- Vocabulary --
Part 1: Core terms and definitions, 12/10/2021

Power electronics (TC 22)

22G/445/CD, IEC 61800-9-2 ED2: Adjustable speed electrical power
drive systems - Part 9-2: Ecodesign for motor systems - Energy
efficiency determination and classification, 11/12/2021

Power transformers (TC 14)

14/1072/CDV, IEC 60076-25 ED1: Power transformers - Part 25:
Neutral grounding resistors, 12/10/2021

Rotating machinery (TC 2)

2/2068(F)/FDIS, IEC 60034-18-32 ED2: Rotating electrical machines -
Part 18-32: Functional evaluation of insulation systems (Type II) -
Electrical endurance qualification procedures for form-wound
windings, 10/15/2021

Safety of household and similar electrical appliances (TC 61)

61/6362(F)/FDIS, IEC 60335-2-44 ED4: Household and similar
electrical appliances - Safety - Part 2-44: Particular requirements
for ironers, 10/01/2021

61/6363(F)/FDIS, IEC 60335-2-47 ED5: Household and similar
electrical appliances - Safety - Part 2-47: Particular requirements
for commercial electric boiling pans, 10/01/2021

61/6364(F)/FDIS, IEC 60335-2-48 ED5: Household and similar
electrical appliances - Safety - Part 2-48: Particular requirements
for commercial electric grillers and toasters, 10/01/2021

Solar thermal electric plants (TC 117)

117/148/CDV, IEC 62862-5-2 ED1: Solar thermal electric plants - Part
5-2: Systems and components - General requirements and test
methods for large-size linear Fresnel collectors, 12/10/2021



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

Cleaning equipment for air and other gases (TC 142)

[ISO 29461-1:2021](#), Air intake filter systems for rotary machinery - Test methods - Part 1: Static filter elements, \$111.00

Fine Bubble Technology (TC 281)

[ISO 24261-2:2021](#), Fine bubble technology - Elimination method for sample characterization - Part 2: Fine bubble elimination techniques, \$73.00

Furniture (TC 136)

[ISO 7170:2021](#), Furniture - Storage units - Test methods for the determination of strength, durability and stability, \$225.00

Road vehicles (TC 22)

[ISO 4138:2021](#), Passenger cars - Steady-state circular driving behaviour - Open-loop test methods, \$149.00

Rubber and rubber products (TC 45)

[ISO 2929:2021](#), Rubber hoses and hose assemblies for bulk fuel delivery by truck - Specification, \$111.00

[ISO 13775-1:2021](#), Thermoplastic tubing and hoses for automotive use - Part 1: Non-fuel applications, \$111.00

Ships and marine technology (TC 8)

[ISO 23323:2021](#), Ships and marine technology - Specification for software-based planned maintenance systems, \$73.00

Soil quality (TC 190)

[ISO 11916-3:2021](#), Soil quality - Determination of selected explosives and related compounds - Part 3: Method using liquid chromatography-tandem mass spectrometry (LC-MS/MS), \$149.00

Tyres, rims and valves (TC 31)

[ISO 19447:2021](#), Passenger car tyres - Method for measuring ice grip performance - Loaded new tyres, \$149.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 23001-10:2020/Amd 1:2021](#), Information technology - MPEG systems technologies - Part 10: Carriage of timed metadata metrics of media in ISO base media file format - Amendment 1: Support for content-guided transcoding and spatial relationship of immersive media, \$20.00

IEC Standards

Audio, video and multimedia systems and equipment (TC 100)

[IEC 62777 Ed. 1.0 b:2016](#), Quality evaluation method for the sound field of directional loudspeaker array system, \$89.00

Capacitors and resistors for electronic equipment (TC 40)

[IEC 60384-2 Ed. 5.0 b:2021](#), Fixed capacitors for use in electronic equipment - Part 2: Sectional specification - Fixed metallized polyethylene terephthalate film dielectric DC capacitors, \$259.00

Electrical equipment in medical practice (TC 62)

[IEC 80001-1 Ed. 2.0 b:2021](#), Application of risk management for IT-networks incorporating medical devices - Part 1: Safety, effectiveness and security in the implementation and use of connected medical devices or connected health software, \$259.00

Primary cells and batteries (TC 35)

[IEC 60086-3 Ed. 5.0 b:2021](#), Primary batteries - Part 3: Watch batteries, \$183.00

Safety of household and similar electrical appliances (TC 61)

[IEC 60335-2-90 Amd.1 Ed. 4.0 b:2019](#), Amendment 1 - Household and similar electrical appliances - Safety - Part 2-90: Particular requirements for commercial microwave ovens, \$13.00

[IEC 60335-2-90 Ed. 4.1 b:2019](#), Household and similar electrical appliances - Safety - Part 2-90: Particular requirements for commercial microwave ovens, \$506.00

IEC Technical Reports

Printed Electronics (TC 119)

[IEC/TR 62899-402-4 Ed. 1.0 en:2021](#), Printed electronics - Part 402-4: Printability - Measurement of qualities - Classification and measurement methods for morphology, \$133.00

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Heat Supply Network

Comment Deadline: October 29, 2021

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

Standardization in the field of HSN including design, construction, integration, control and regulation based on heating supply pipeline system

Excluded: Standardization of heat sources and space heating systems covered by ISO/TC 11 Boilers and pressure vessels – STANDBY, ISO/TC 86 Refrigeration and air-conditioning, ISO/TC 163 Thermal performance and energy use in the built environment, ISO/TC 205 Building environment design, ISO/TC 267 Facility management, ISO/TC 268 Sustainable cities and communities, ISO/TC 301 Energy management and energy savings, and IEC SyC Smart Cities, IEC SyC Smart Energy.

Note 1: Where appropriate, the ISO/TC Heat Supply Network (HSN) works in cooperation with existing committees on subjects that may support the heat supply network.

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, October 29, 2021**.

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

FiRa

Public Review: June 25 through September 27, 2021

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.



**BSR/ASHRAE/ASHE Addendum d
to ANSI/ASHRAE/ASHE Standard 170-2021**

Public Review Draft

**Proposed Addendum d to
Standard 170-2021, Ventilation of
Health Care Facilities**

**First Public Review (September 2021)
(Draft shows Proposed Changes to Current Standard)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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

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

© 2021 ASHRAE. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 180 Technology Parkway NW, Peachtree Corners, GA 30092. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

ASHRAE, 180 Technology Parkway NW, Peachtree Corners, GA 30092

BSR/ASHRAE/ASHE Addendum d to ANSI/ASHRAE/ASHE Standard 170-2021, *Ventilation of Health Care Facilities*

First Public Review Draft

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

FOREWORD

The proposed glossary changes in Addendum d are to align Standard 170 requirements with the FGI related to evolving clinical approaches to care and treatment of patients in imaging settings.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum d to 170-2021

Revise Section 3 as shown below. The remainder of Section 3 is unchanged.

3. Definitions

Class 1 imaging room: an imaging room designated for the performance of patient care activities including diagnostic radiography, fluoroscopy, mammography, computed tomography (CT), ultrasound, magnetic resonance imaging (MRI), nuclear medicine, and other imaging modalities, including services that use natural orifice entry and do not pierce or penetrate natural protective membranes.

Class 2 imaging room: an imaging room designated for the performance of patient care activities including diagnostic and therapeutic procedures such as coronary, neurological, or peripheral angiography, including electrophysiology, cardiac catheterization, and interventional angiography and similar procedures.

Class 3 imaging room: an imaging room designated for the performance of patient care activities including invasive procedures including cardiac stenting, implantation of devices in an invasive fluoroscopy, and any other Class 2 procedure during which the patient will require physiological monitoring and is anticipated to require active life support.

procedural invasive fluoroscopy: therapeutic or diagnostic ~~invasive~~ procedures that require fluoroscopic imaging (e.g., cardiac catheterization, interventional angiography, cardiac stenting, or implantation of devices). (***Informative Note:*** These procedures are typically performed in a restricted or semirestricted area based on the classification of the imaging procedure being performed. Refer also to *Class 2 imaging room* for cardiac catheterization or interventional angiography and *Class 3 imaging room* for cardiac stenting or implantation of devices.)

Public Review Draft

Proposed Addendum j to Standard 189.1-2020

Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings

First Public Review (September 2021)
(Draft Shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research-technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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

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

© 2021 ASHRAE. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 180 Technology Pkwy, Peachtree Corners, GA 30092. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

ASHRAE, 180 Technology Pkwy, Peachtree Corners, GA 30092



BSR/ASHRAE/ICC/USGBC/IES Addendum j to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* First Public Review Draft.

© August 18, 2021 ASHRAE

This draft is covered under ASHRAE copyright. The appearance of any technical data or editorial material in this publication document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, design or the like and ASHRAE expressly disclaims such. Permission to republish or redistribute must be obtained from the MOS.

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

Foreword

This Addendum proposes to delete the current Jurisdictional Option [JO] provisions in Standard 189.1 and replace with a mandatory requirement to follow the requirements in ASHRAE Standard 90.1. Addendum s to ASHRAE Standard 90.1-2019 made several technical improvements in the requirements for cool walls. Addendum s incorporated requirements addressing solar reflectance of walls in a manner that removed the term solar reflectance index (SRI) for walls and replaced it with the more accurate term solar reflectance (SR) and the corresponding ASTM test methods. It deleted the option for vegetation to provide shading, recognizing plants are not durable and unlikely to last the life of the building, and modified the Climate Zones to reflect effectiveness of cool wall strategies.

These changes do not add cost or scope to the existing language of the standard.

[Note to Reviewers: This addendum makes proposed changes to the standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum j to 189.1-2020

Revise Section 5.3.5.2 as follows:

5.3.5.2 ~~[JO]~~ Walls. *Building projects shall comply with the provisions of Section 5.5.3.2.2 of ASHRAE/IES Standard 90.1. Above-grade building walls and retaining walls shall be shaded in accordance with this section. The building is allowed to be rotated up to 45 degrees to the nearest cardinal orientation for purposes of calculations and showing compliance. Compliance with this section shall be achieved through the use of shade providing plants, man-made structures, existing buildings, hillsides, permanent building projections, on-site renewable energy systems, or a combination of these, using the following criteria:*

a. ~~Shade shall be provided on at least 30% of the east and west above-grade walls and retaining walls from grade level to a height of 20 ft (6 m) above grade, or the top of the exterior wall, whichever is less. Shade coverage shall be calculated at 10 a.m. for the east walls and 3 p.m. for the west walls on the summer solstice.~~

BSR/ASHRAE/ICC/USGBC/IES Addendum j to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* First Public Review Draft.

~~b. Where shading is provided by vegetation, such vegetation shall be existing trees and vegetation or new biodiverse plantings of native plants and adapted plants. Such planting shall occur prior to the final approval by the AHJ or in accordance with a contract established to require planting no later than 12 months after the final approval by the AHJ so as to provide the required shade no later than ten years after the final approval. Vegetation shall be appropriately sized, selected, planted, and maintained so that it does not interfere with overhead or underground utilities. Trees shall be placed a minimum of 5 ft (1.5 m) from and within 50 ft (15 m) of the building or retaining wall.~~

Exceptions to 5.3.5.2:

- ~~1. The requirements of this section are satisfied if 75% or more of the opaque wall surfaces on the east and west have a minimum SRI of 29. Each wall is allowed to be considered separately for this exception.~~
- ~~2. East wall shading is not required for buildings located in Climate Zones 5, 6, 7, and 8. West wall shading is not required for buildings located in Climate Zones 7 and 8.~~



**BSR/ASHRAE/IES Addendum ar
to ANSI/ASHRAE/IES Standard 90.1-2019**

Public Review Draft

Proposed Addendum ar to Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings

**First Public Review (August 2021)
(Draft Shows Proposed Changes to Current Standard)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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

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

© 2021 ASHRAE. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 180 Technology Parkway Peachtree Corners, GA 30092. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

ASHRAE, 180 Technology Parkway NW, Peachtree Corners, GA 30092

© 2021 ASHRAE

This draft is covered under ASHRAE copyright. The appearance of any technical data or editorial material in this publication document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, design or the like and ASHRAE expressly disclaims such. Permission to republish or redistribute must be obtained from the MOS.

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

FOREWORD

Electric lighting is increasingly being used for horticulture growth and production. Indoor plant growth facilities can have energy use intensities that exceed even data centers, with up to 80% of the electrical energy use attributed to horticultural grow lighting. As an example, indoor grow facilities for cannabis utilizing high intensity discharge lighting can approach an Energy Use Intensity of 1200 kBtu per square foot. (Cannabis Energy Overview and Recommendations, Massachusetts Department of Energy Resources, February 23, 2018)

This addendum requires that horticultural lighting meet a photosynthetic photon efficacy (PPE) metric developed by the American Society of Agricultural and Biological Engineers (ASABE) for the ANSI/ASABE S640 standard. It also sets a threshold for compliance, to avoid penalizing small horticultural growers.

There are two types of buildings and spaces with controlled environment horticulture (CEH). “Greenhouse” buildings and spaces where a significant amount of the light for plant growth is contributed by daylight. The balance of the lighting is provided by electric lighting. The second grow facility type is “indoor grow” buildings and spaces, where the majority or all horticulture growth lighting is provided by electric lighting. Due to the differing needs of each building and space type, two PPE values are provided based on the horticultural use of each of these spaces.

90.1-2019 includes a lighting power exemption for lighting designed for the support of non-human life forms (Table 9.2.3.1 item #3) which applies to horticultural lighting. This addendum revises that lighting power exemption to no longer include horticultural lighting when used for horticulture production or cultivation purposes.

A cost effectiveness analysis was completed, and this addendum meets the ASHRAE/IES 90.1 scalar threshold for cost effectiveness.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum ar to 90.1-2019

Modify the standard as follows (IP and SI Units)

3.2 Definitions

Greenhouse: a space used exclusively for, and essential to horticultural production, cultivation or maintenance by utilizing a sunlit environment with a skylight roof ratio of 50% or more above the growing area.

Horticultural lighting: electric lighting used for horticultural production, cultivation or maintenance with either plug-in or hard-wired connections for electric power.

Indoor grow: a space used exclusively for, and essential to horticultural production, cultivation or maintenance with a skylight roof ratio less than 50% above the growing area.

Photosynthetic photon efficacy (PPE): photosynthetic photon flux emitted by a light source divided by its electrical input power, expressed in units of micromoles per second per watt, or micromoles per joule ($\mu\text{mol}/\text{J}$) between 400-700nm as defined by ANSI/ASABE S640-2017.

3.3 Abbreviations and Acronyms

<u>PPE</u>	<u>Photosynthetic photon efficacy</u>
------------	---------------------------------------

Table 9.2.3.1 Exceptions to Interior Lighting Power and Minimum Control Requirements

Item #	Equipment/Application	In Addition to and Controlled Separately From General Lighting	Required Controls
3	Lighting specifically designed for the research or life support of nonhuman life forms <u>except for horticultural production or cultivation.</u>	YES	9.4.1.1(a)—Local control

9.4.4 Horticultural Lighting

Buildings with at least 40 kW of connected load for horticultural lighting shall conform to either the greenhouse horticultural lighting requirements of Section 9.4.4.1, or indoor grow horticultural lighting requirements of Section 9.4.4.2.

9.4.4.1 Luminaires in greenhouse spaces used for horticultural lighting shall have a PPE of at least 1.7 $\mu\text{mol}/\text{J}$. Greenhouse spaces shall be controlled by a device that automatically turns off the horticultural lighting when sufficient daylight is available and by scheduled shutoff control at specific programmed times.

9.4.4.2 Luminaires in indoor grow spaces used for horticultural lighting shall have a PPE of at least 1.9 $\mu\text{mol}/\text{J}$ and shall be controlled by a device that automatically turns off the horticultural lighting at specific programmed times.

Add the following reference to Informative Appendix E

American Society of Agricultural and Biological Engineers (ASABE)

2950 Niles Road
 St. Joseph, MI 49085

Subsection No.	Reference	Title/Source
9.4.4	ANSI/ASABE S640-2017	Quantities and Units of Electromagnetic Radiation for Plants (Photosynthetic Organisms)

For Reference Only - changes to section numbering that will occur if in-process addendum ac is approved for publication

Table 9.2.3.1 Exceptions to Interior Lighting Power and Minimum Control Requirements

Item #	Equipment/Application	In Addition to and Controlled Separately From <i>General Lighting</i>	Required Controls
4	Lighting specifically designed for <u>the research or life support of nonhuman life forms except for horticultural production or cultivation.</u>	YES	9.4.1.1(a)—Local control



**BSR/ASHRAE/IES Addendum d
to ANSI/ASHRAE/IES Standard 90.2-2018**

Public Review Draft

Proposed Addendum d to Standard 90.2-2018, Energy-Efficient Design of Low-Rise Residential Buildings

**First Public Review (September 2021)
(Draft Shows Proposed Changes to Current Standard)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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

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

© 2021 ASHRAE. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 180 Technology Parkway NW, Peachtree Corners, GA 30092. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

ASHRAE, 180 Technology Parkway NW, Peachtree Corners, GA 30092

© 2021 ASHRAE

This draft is covered under ASHRAE copyright. The appearance of any technical data or editorial material in this publication document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, design or the like and ASHRAE expressly disclaims such. Permission to republish or redistribute must be obtained from the MOS.

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

FOREWORD

This proposal intends to add some basic indoor environmental quality requirements for lighting systems to align with existing Section 7.3 Indoor Environmental Quality requirements applicable to mechanical systems.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum d to 90.2-2018

Modify the standard as follows (IP and SI Units)

3.1 Definitions

...

dim-to-warm (also known as warm dim): a light source capable of simultaneously decreasing its correlated color temperature as its light output decreases, typically resembling the change in color temperature of an incandescent lamp as it dims.

tunable white: a light source capable of adjusting its correlated color temperature while maintaining its relative light output and capable of adjusting its light output while maintaining its correlated color temperature.

color tunable: a light source capable of emitting highly saturated light of varying hues, as well as white light, for example by varying the relative intensity of individual emitters within the light source.

habitable space: a space in a building for living, sleeping, eating or cooking, excluding bathrooms, toilets, hallways, storage areas, closets, utility rooms and similar areas.

...

7.3.3 Buildings shall be illuminated in accordance with Section 7.5. All lighting in habitable spaces shall be continuously dimmable to at least 10% of full output and shall meet at least one of the following:

- a. Complies with CA Title 24 JA8; or
- b. Contains dim-to-warm, tunable white, or color tunable light sources.

...

10. Normative References

...

California Energy Commission
1516 Ninth Street
Sacramento, CA 95814

2019 CA Title 24 Part 6 JA8

2019 Building Energy Efficiency Standards Joint Appendix 8

Not for publication. This document is part of the NSF International standard development process. This draft text is for circulation for review and/or approval by a NSF Standards Committee and has not been published or otherwise officially adopted. All rights reserved. This document may be reproduced for informational purposes only.

[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 International Standard/ American National Standard –

Commercial Refrigerators and Freezers

•

9 Display refrigerators and freezers

•

9.1.5 Handles and latches for self-service display refrigerators

When used on the exterior sections of a self-service display refrigerator, brass handles and latches are not required to be rendered corrosion resistant as specified in 4.2.3 of NSF/ANSI 51 Food Equipment Materials. When used in such applications, brass handles and latches that are not coated to be rendered corrosion resistant shall be made from only brass containing $\leq 0.25\%$ Pb.

Rationale: Brass materials are desired for their antimicrobial properties on surfaces prone to frequent public hand contact. The specific, limited end use application of only handles and latches used on self-service display refrigerator ensures an environment not subject to the risks of exposure to excessive moisture and corrosion that the applicable requirements of 4.2.3 of NSF/ANSI 51 are intended resolve.

Not for publication. This document is part of the NSF International standard development process. This draft text is for circulation for review and/or approval by an NSF Standards Committee and has not been published or otherwise officially adopted. All rights reserved. This document may be reproduced for informational purposes only.

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

NSF/ANSI/CAN Standard for Recreational Water Facilities

Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and other Recreational Water Facilities

Evaluation criteria for materials, components, products, equipment, and systems for use at recreational water facilities

-
-
-

6 Filters

-
-
-

6.3.4 Filter media

6.3.4.1 Filter sand shall be hard, silica-like material that is free of carbonates, clay, and other foreign material. The effective particle size shall be between 0.016 in (0.41 mm) and 0.022 in (0.56 mm), and the uniformity coefficient shall not exceed 1.75. Filters intended for use with an alternate media that does not conform to these requirements shall specify the alternate media on the data plate. The filter and the alternate media shall conform to the other applicable requirements of this Standard.

6.3.4.2 If a different media is used to support the filter media, it shall be rounded material that is free of limestone and clay and installed according to the manufacturer's instructions. When the support media and the filter media are installed in accordance with the manufacturer's recommendations, the filter media shall not intermix with the support media when operated and backwashed at least three cycles in accordance with Section N-2.4.

6.3.4.3 Alternate sand-type media

A material that is marketed or claimed to replace sand directly as a filter media in a sand-type filter shall conform to Sections 4.2, 6.1.8, 6.1.9, 6.3.4.3, and 5.3.5 when tested in a representative sand-type filter in accordance with Sections N-2.3 through N-2.5.

6.3.4.3.1 The manufacturer of an alternate sand-type media shall specify the particle size and uniformity coefficient for the media. Particle size and uniformity coefficient shall be confirmed in accordance with ASTM C136^{Error! Bookmark not defined.} with sieves conforming to ASTM E11.^{Error! Bookmark not defined.}

Tracking #50i170r1
© 2021 NSF International

Revision to NSF/ANSI/CAN 50-2020
Issue 170, Revision 1 (September 2021)

Not for publication. This document is part of the NSF International standard development process. This draft text is for circulation for review and/or approval by an NSF Standards Committee and has not been published or otherwise officially adopted. All rights reserved. This document may be reproduced for informational purposes only.

6.3.4.3.2 The filtration rate and backwash rate for an alternate sand-type media shall be as specified in Section 6.3.9.

6.3.4.3.3 Sand-type media labeling requirements

Sand-type media shall contain the following information on the product packaging or documentation shipped with the product:

- manufacturer's name and contact information (address, phone number, website, or prime supplier);
- product identification (product type and trade name);
- net weight or net volume;
- when applicable, mesh or sieve size;
- particle size and uniformity coefficient;
- lot number or other production identifier such as a date code;
- when appropriate, special handling, storage and use instructions; and
- the specific certification mark of the certifying organization for certified products.

-
-
-

Not for publication. This document is part of the NSF International standard development process. This draft text is for circulation for review and/or approval by an NSF Standards Committee and has not been published or otherwise officially adopted. All rights reserved. This document may be reproduced for informational purposes only.

[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 Standard for Food Equipment –

Food Equipment Materials

-

4 Material formulation

-

4.2 Requirements for specific types of materials

-

4.2.4.4 Glass, other than light fixtures, that may be subject to contact during use and routine maintenance and cleaning shall conform:

- to the impact test in ANSI Z97.1 for Class A glass; or
- to the impact test within ANSI/UL 197; or
- to the impact test within BS857:1967.

The thickness of the glass used in each end-use application shall be equal to or greater than the glass representing compliance to the applicable impact criteria.

The formulation and temper of the glass used in each end-use application shall be the same as the glass representing compliance to the applicable impact criteria.

-

-

-

***Rationale:** Current language in section 4.2.4.4 did not explicitly require that the glass subjected to an impact test was of the same thickness and formulation as the glass used in a product. The additional language removes this potential “loophole” and ensures consistency between the glass tested and the glass used in a product. Also, worth noting is the original issue paper only addressed glass used in thermometers. The language proposed by the TG expands this requirement to all glass used in food equipment except glass used in light fixtures*

Tracking #140i30r1
© 2021 NSF International

Revision to NSF/ANSI 140-2019
Revision 1 Issue 30(September 2021)

Not for publication. This document is part of the NSF International standard development process. This draft text is for circulation for review and/or approval by an NSF Standards Committee and has not been published or otherwise officially adopted. All rights reserved. This document may be reproduced for informational purposes only.

[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 Sustainable Carpet –

Sustainability Assessment for Carpet

3 Definitions

•
•

3.XX intentionally added: Intentionally added means the act of deliberately using a chemical in the formation of a product where its continued presence is desired in the product to provide a specific characteristic.

Maryland (HB 22 2021)

•
•

Rationale: Added “intentionally added” as a definition for clarification per the 2021 Sustainable Carpet Joint Committee meeting.

Tracking #140i31r1
 © 2021 NSF International

Revision to NSF/ANSI 140-2019
 Revision 1 Issue 31(September 2021)

Not for publication. This document is part of the NSF International standard development process. This draft text is for circulation for review and/or approval by an NSF Standards Committee and has not been published or otherwise officially adopted. All rights reserved. This document may be reproduced for informational purposes only.

[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 Sustainable Carpet –

Sustainability Assessment for Carpet

6 Public health and environment (PHE)

•
•

6.2.1 Feedstock inventory documentation (prerequisite)

A manufacturer shall receive 1 point for identifying material composition for components present at 0.1% (1000 ppm) or greater of the incoming raw materials, including materials identified as chemicals of concern ~~persistent, bio-accumulative, and toxic (PBT)~~ as found in Annex N-1 Table N-1.1. Annex N-1. This shall apply to the incoming raw materials that result in 1% or greater of the final product. Refer to Annex N-1, Figure N-1.1 for a definition of the boundaries to be included in this inventory.

•
•

Rationale: Revise Section 6.2.1 per the 2021 Sustainable Carpet Joint Committee meeting.

Not for publication. This document is part of the NSF International standard development process. This draft text is for circulation for review and/or approval by an NSF Standards Committee and has not been published or otherwise officially adopted. All rights reserved. This document may be reproduced for informational purposes only.

[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 Sustainable Carpet –

Sustainability Assessment for Carpet

4.2 Prerequisites

Each category has one or more prerequisites that are required, as the minimum performance against the Standard. Users shall meet all prerequisites in each category in order to proceed. Once all prerequisites are met, users may achieve additional credit points toward multiple levels of achievement in each category by meeting specified performance requirements. Prerequisites include:

- for PHE, Sections:
- 6.2.1 Feedstock inventory documentation;
- 6.2.2 Input ~~PBT chemicals and other~~ **chemicals of concern**;
- 6.3.1 PBDE flame retardants; and
- 6.3.2 Minimization of indoor air VOC emissions (prerequisite for Gold and Platinum).

6 Public health and environment (PHE)

6.2.1 Feedstock inventory documentation (prerequisite)

A manufacturer shall receive 1 point for identifying material composition for components present at 0.1% (1000 ppm) or greater of the incoming raw materials, including materials identified as persistent, bio-accumulative, and ~~toxic (PBT)~~ **chemicals of concern** as found in Annex N-1. This shall apply to the incoming raw materials that result in 1% or greater of the final product. Refer to Annex N-1, Figure N-1.1 for a definition of the boundaries to be included in this inventory.

6.2.2 Input ~~persistent, bio-accumulative, and toxic (PBT) chemicals and other~~ **chemicals of concern (prerequisite)**

A manufacturer shall receive 1 point for documenting that **chemicals of concern as defined by Annex N Table N-1.1** ~~PBT chemicals~~ are not intentionally added at 0.1% or greater in the product. This shall apply to the incoming raw materials that result in 0.1% or greater of the final product. Refer to Annex N-1, Figure N-1.1 for a definition of the boundaries to be included in this inventory.

6.3.3.2 Output ~~PBT emissions and emissions from other~~ **chemicals of concern**

The boundary for this credit shall be Annex N-1, Figure N-1.1 for the manufacturing facility or facilities. A manufacturer shall receive 1 point for documenting that it does not have any **PBT chemicals of concern** emissions at or above US EPA CERCLA reportable quantities as described in Annex N-1, Figure N-1.1.

Not for publication. This document is part of the NSF International standard development process. This draft text is for circulation for review and/or approval by an NSF Standards Committee and has not been published or otherwise officially adopted. All rights reserved. This document may be reproduced for informational purposes only.

6.3.4.2 Document restrictions on supply chain ~~PBT chemicals and other~~ chemicals of concern

6.3.4.2.1 Supplier's material and process inputs present at 1%

The boundary for this credit shall be Annex N-1, Figure N-1.1. A manufacturer shall receive 1 point for obtaining documentation from a minimum of 70% of first-tier suppliers (one step upstream) of the manufacturing facility that identifies all material and process inputs present at 1% (10 parts per thousand) or greater of the incoming raw materials including materials identified as ~~PBT chemicals of concern~~ per Annex N-1, Table N-1.1. This shall apply to the incoming raw materials that result in 1% or greater of the final product.

6.3.4.2.2 ~~PBTs~~ **Chemicals of concern** released as process outputs

The boundary for this credit shall be Annex N-1, Figure N-1.1 A manufacturer shall receive 1 point for obtaining documentation from a minimum of 70% of first-tier suppliers (one step upstream) of the manufacturing facility demonstrating that ~~PBT chemicals and other~~ chemicals of concern are not released as process outputs (emissions) at the point of manufacture at or above CERCLA reportable quantity (RQ) reporting thresholds. The manufacturer shall document that first-tier suppliers do not have ~~PBT chemicals of concern~~ emissions at or above the reporting thresholds described in Annex N-1, Table N-1.1 for supply chain materials used in the product being certified. This shall apply to the incoming raw materials that result in 1% or greater of the final product.

6.3.4.2.3 ~~PBTs~~ **Chemicals of concern** used in materials or process inputs

The boundary for this credit shall be Annex N-1, Figure N-1.1. A manufacturer shall receive 1 point for obtaining documentation from first-tier suppliers (one step upstream) of the manufacturing facility that ~~PBT chemicals and other~~ chemicals of concern are not used in the product being certified and that process inputs are below TRI reporting thresholds as described in Annex N-1, Table N-1.1. This shall apply to the incoming raw materials that result in 1% or greater of the final product.

1 Sustainability carpet assessment matrix

Table 12.1 is the sustainable carpet assessment matrix, summarizing each of the criteria presented in Sections 6 through 10.

Table 12.1
Sustainability assessment for carpet matrix

	Applicable Section	Points
Public health and environment (PHE)		30 points
X	6.2.1 Feedstock inventory documentation	1
X	6.2.2 Input PBT chemicals and other chemicals of concern	1
X	6.3.1 C8 fluorotelomers	1
X	6.3.1 Minimization of indoor VOC emissions (prerequisite for Gold and Platinum)	1
	6.3.1.1 Inventory of air, water, and waste (media) pollutants	4
	6.3.1.2 Output PBT chemicals of concern emissions and emissions from other chemicals of concern	1

Tracking #140i32r1

© 2021 NSF International

Revision to NSF/ANSI 140-2019

Revision 1 Issue 32(September 2021)

Not for publication. This document is part of the NSF International standard development process. This draft text is for circulation for review and/or approval by an NSF Standards Committee and has not been published or otherwise officially adopted. All rights reserved. This document may be reproduced for informational purposes only.

Table 12.1
Sustainability assessment for carpet matrix

	Applicable Section	Points
	6.3.1.3.1 Voluntary pollutant reductions beyond compliance beyond compliance, 1986 to 1999 OR 6.3.1.3.2 Pollutant and toxic chemical reductions through LCA, 1986 to 1999	8 (for either/or)
	6.3.1.4 Reduction of specified life cycle impact categories (for the years 2000 to present)	8
	6.3.2 Minimization of indoor air carcinogenic VOC emissions	1
	6.3.3.1 Minimization of indoor formaldehyde emissions	1
	Public health and environment (PHE) (con't)	30 points
	6.3.3.2.1 Supplier's material and process inputs present at 1%	1
	6.3.3.2.2 PBTs Chemicals of concern released as process outputs	1
	6.3.4.3.3 PBTs Chemicals of concern used in materials or process inputs	1
	Energy and energy efficiency (EN)	20 points
X	7.2.1 Inventory of electrical and thermal energy	1
	7.2.2 Manufacturer's use of renewable energy and/or energy reduction	12
	7.2.3 Suppliers' use of renewable energy	6
	7.2.4 Greenhouse gas emissions inventory	1

Table N-1.1
Persistent, bioaccumulative, and toxic (PBT) chemicals of concern

A	International Agency on the Research of Cancer (IARC) Group 1 – Carcinogenic to Humans and Group 2A – Probably Carcinogenic to Humans
B	National Toxicology Program (NTP) – Known Human Carcinogen and Reasonably Anticipated Carcinogenic
C	Occupational Safety and Health Administration (OSHA)- Regulated Toxic Metal or Carcinogen
D	California Proposition 65 – Known to cause cancer or reproductive toxicity
E	US EPA Toxic Release Inventory (TRI) persistent, bioaccumulative, and toxic (PBT) chemicals of concern – Known persistent, bioaccumulative, and toxic chemicals and compounds (a subset of the US EPA TRI list of chemicals and compounds)
F	US EPA TRI – Complete US EPA toxic chemical list (including known PBT chemicals of concern and compounds), RCRA Waste Minimization list, the U.S. – Canada Binational list, and the Stockholm Convention POPs list

•
•
•
Rationale: Revise Section 6.2.2 per the 2021 Sustainable Carpet Joint Committee meeting.

Tracking #140i33r1
© 2021 NSF International

Revision to NSF/ANSI 140-2019
Revision 1 Issue 33(September 2021)

Not for publication. This document is part of the NSF International standard development process. This draft text is for circulation for review and/or approval by an NSF Standards Committee and has not been published or otherwise officially adopted. All rights reserved. This document may be reproduced for informational purposes only.

[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 Sustainable Carpet –

Sustainability Assessment for Carpet

6 Public health and environment (PHE)

⋮

Table 6.2
Life cycle points awarded

Percent Reduction	Across one impact category	Across six impact categories	Across ten impact categories
≥ 10%	2 pts	3	4
≥ 25%	2 pts	3	4
≥ 50%	2 pts	3	4
75%	2 pts	3	4

⋮

Rationale: This table has been updated per the 2021 Sustainable Carpet Joint Committee meeting.

Not for publication. This document is part of the NSF International standard development process. This draft text is for circulation for review and/or approval by an NSF Standards Committee and has not been published or otherwise officially adopted. All rights reserved. This document may be reproduced for informational purposes only.

[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 Sustainable Carpet –

Sustainability Assessment for Carpet

3 Definitions

•
 •

3.XX: public disclosure: Information or data that is readily accessible and available to all interested individuals and institutions. The information or data shall be written and posted on a public and unrestricted website. Information or data available upon request is not considered public disclosure.”

•
 •

10 Reclamation and end-of-life (EOL) management

10.2.3.1 – Total Carpet Reclamation Rate (Prerequisite)

A manufacturer shall earn one point to document total company carpet reclamation rate using the rate formulation outlined below. Reclamation rate shall be calculated as follows:

$$\text{Total Company Reclamation Rate} = \frac{\text{lbs of all product reclaimed (annually)}}{\text{pounds of annual carpet production}}$$

10.2.3.1.1 – Total Company Reclamation Rate Disclosure

A manufacturer shall earn one point for publicly disclosing their calculated Total Company Reclamation Rate.

10.2.3.1.2 – Total Company Reclamation Rate

For showing Total Company Reclamation Rate, a manufacturer shall earn up to 3 points by achieving total reclamation rates below:

Total Reclamation	Points awarded
≥ 2%	1
≥ 4%	2
≥ 6%	3
NOTE - Once a manufacturer maintains a Total Company Reclamation Rate of at least 6%, the manufacturer is awarded the maximum points of 3 points.	

Tracking #140i34r1
 © 2021 NSF International

Revision to NSF/ANSI 140-2019
 Revision 1 Issue 34(September 2021)

Not for publication. This document is part of the NSF International standard development process. This draft text is for circulation for review and/or approval by an NSF Standards Committee and has not been published or otherwise officially adopted. All rights reserved. This document may be reproduced for informational purposes only.

•
•

Table 12.1
Sustainability assessment for carpet matrix

•
•

Reclamation and end-of-life (EOL) management		25 points
X	10.2.1 Operational reclamation program	1
X	10.2.2 Extended product life	1
X	10.2.3 Product reclamation (prerequisite for Platinum)	17
	10.2.3.1 Total Carpet Reclamation Rate	2
	10.3 Transparent secondary materials reclamation system	2

Rationale: Revise Section 10.2.3.1 and add a definition for “public disclosure” for per the 2021 Sustainable Carpet Joint Committee meeting.

Not for publication. This document is part of the NSF International standard development process. This draft text is for circulation for review and/or approval by an NSF Standards Committee and has not been published or otherwise officially adopted. All rights reserved. This document may be reproduced for informational purposes only.

[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 Sustainable Carpet –

Sustainability Assessment for Carpet

8 Bio-based content, recycled content, and environmentally preferable product (EPP) materials (MATLs)

⋮

8.2 Materials content inventory (prerequisite)

A manufacturer shall receive 2 points for documenting the bio-based, recycled, and EPP content in the product being certified. Recycled content shall be classified by postindustrial / preconsumer or postconsumer materials in accordance with ISO 14021 and the FTC Environmental Marketing Guides.

⋮

Table 8.1
Weighting of content type

Content type	Content detail	Percent	Weighting factor	Contribution %
recycled material	preconsumer		0.5	
	postconsumer	≥ 10%	1	
	postconsumer carpet content	≥ 10%	1.5	
bio-based material	bio-based		1	
EPP	environmentally preferred product material		1	
			Total	
This would include the entire carpet product including facing and backing, and be independent of any detached padding, attached adhesive or packaging				

Tracking #140i35r1
© 2021 NSF International

Revision to NSF/ANSI 140-2019
Revision 1 Issue 35(September 2021)

Not for publication. This document is part of the NSF International standard development process. This draft text is for circulation for review and/or approval by an NSF Standards Committee and has not been published or otherwise officially adopted. All rights reserved. This document may be reproduced for informational purposes only.

Table 8.2
Points awarded for manufacturer's use of bio-based, recycled content, or EPP MATLs

Bio-based, recycled content, and EPP total percent contribution	Points awarded
≥ 5%	2
≥ 10% OR ≥ 10% postconsumer recycled content ¹	3
≥ 15% ¹	4
≥ 20%	5
≥ 25%	6
≥ 30%	7
≥ 35%	8
≥ 40%	9
≥ 45%	10
≥ 50%	11
≥ 55%	12
≥ 60%	13
≥ 65%	14
≥ 70%	15
≥ 75%	16
≥ 80%	17
≥ 85%	18
≥ 90%	19
≥ 95%	20
¹ 40% 15% postconsumer recycled content is a prerequisite for Platinum beginning January 1, 2022, and 20% post-consumer recycled content is a prerequisite for Platinum beginning January 1, 2024.	

Rationale: Revise 8.2, Table 8.1 & 8.2 per the 2021 Sustainable Carpet Joint Committee meeting.

BSR/SPRI FX-1

Standard Field Test Procedure for Determining the Withdrawal Resistance of Roofing Fasteners

Substantive Change

5.0 Personnel (See Commentary 5.0)

- 5.1 The test shall be performed by an individual trained in the proper use of the pull test equipment. A representative of the building owner shall be present to witness the test and verify the values. A roofing professional shall be present to repair the roof in areas where the tests were performed.

Rationale:

It was agreed that the requirement for an individual trained by the manufacturer of the specific fastener being tested is too restrictive.

BSR/UL 1484, Standard for Safety for Residential Gas Detectors

1. WITHDRAWAL of Proposal -- Long Term Sensor Stability Test for Limited Life, Gas Sensors

If the proposal is withdrawn, the current requirements in the standard would remain unchanged and new section 49.18 shown below would NOT be included.

(NEW)~~49.18 One Year Sensor Stability Test for Limited Life, Gas Sensors~~

~~49.18.1 A minimum of fifteen samples of the gas sensor shall be placed within a closed chamber (test fixture) that consists of a means to:~~

- ~~a) Log the manufacturer's defined sensor output parameters;~~
- ~~b) Control the injection of methane or propane gas to reach the target gas concentration within 2 minutes from the time injection starts;~~
- ~~c) Maintain the target gas concentration within the test fixture to within ± 5 ppm;~~
- ~~d) Maintain the relative humidity (RH) to within the parameters 49.18.3~~

~~49.18.2 Each sensor shall be energized based on the manufacturer's recommended installation electronic circuit design. Each of the sensor outputs are to be electronically monitored and stored, along with the combustible gas and oxygen concentrations, humidity level, temperature level, date and time of the readings. Before and after the one-year test, the sensitivity of each sensor shall be checked and recorded when subjected to clean air, i.e., to 20.9% O₂ Balance N₂, and at gas levels such as 0, 30, and 60 ppm~~

~~49.18.3 The sensors are to be exposed to 60 \pm 5 PPM of each combustible gas, i.e., methane and/or propane. Within the closed environment at 23 \pm 3°C, 50 \pm 20% relative humidity for a minimum of one year. To maintain environmental conditions, the methane and/or propane levels and humidity level are to be controlled. Manufacturer's recommended environmental operating parameters that exceed the ambient conditions in 49.18.3 may also be subject to the test requirements specified in 49.18.4.~~

~~a) The analog and/or digital output measurements/data from the sensor and analyzer (when used) shall be recorded at least once every 30 seconds with the data:~~

- ~~1) Maintained by the manufacturer,~~
- ~~2) Submitted to the test organization in a format that is agreed upon between the test organization and manufacturer and~~
- ~~3) Submitted to the test organization for review at least once every thirty days for the duration of the test program.~~

UL copyrighted material not authorized for full reproduction without prior permission from UL.

b) The sensor data shall include but may not be limited to:

1) Ambient environmental test conditions as noted in 49.18.3 above, including barometric pressure.

2) Raw, analog and/or digital output measurements/data from the sensor.

3) If required, converted analog and/or digital output measurements/data from the sensor that correlates with all gas concentration specifications provided in the manufacturer's specifications.

c) The analyzer used for validating the gas concentration and/or absence of gas shall be included in the data recording as noted in (a) and (b) above.

49.18.4 For manufacturer's recommended environmental conditions that exceed 49.18.3, the environmental conditions shall be maintained within the manufacturer's recommended ambient conditions and tolerances. If applicable, the input/output circuit of the sensor shall include the manufacturer's recommended temperature compensation circuit.

49.18.5 Including the tolerance/measurement error of the gas analyzer equipment used to verify the gas concentration and/or the calibration error provided with the test gas, the gas sensor drift for of all sensors in clean air and/or when exposed to gas over the course of one year shall not exceed the gas sensors' specified tolerance ranges.

49.18.6 The manufacturer's specification document shall be included with each sensor or with each batch of sensors and include the following:

- a) The gas sensor's specified tolerance and/or
- b) If applicable, a custom calculation method required to verify the sensor's sensitivity performance in relation to the manufacturer's defined sensitivity performance.

UL copyrighted material. Not authorized for further reproduction without prior permission from UL.

BSR/UL 2034, Standard for Safety for Single and Multiple Station Carbon Monoxide Alarms

1. **WITHDRAWAL** of Proposal -- Long Term Sensor Stability Test for Limited Life, CO Sensors

If the proposal is withdrawn, the current requirements in the standard would remain unchanged and new section 44A shown below would NOT be included.

(NEW)

44A One Year Sensor Stability Test for Limited Life, CO Sensors

44A.1 A minimum of fifteen samples of the CO sensor shall be placed within a closed chamber (test fixture) that consists of a means to:

- a) Log the manufacturer's defined sensor output parameters;
- b) Control the injection of CO gas to reach the target CO concentration within 2 minutes from the time injection starts;
- c) Maintain the target CO gas concentration within the test fixture to within ± 5 ppm;
- d) Maintain the relative humidity (RH) to within the parameters 44A.3.

44A.2 Each sensor shall be energized based on the manufacturer's recommended installation electronic circuit design. Each of the sensor outputs are to be electronically monitored and stored along with the CO and oxygen concentrations, humidity level, temperature level, date and time of the readings. Before and after the one-year test, the sensitivity of each sensor shall be checked and recorded when subjected to clean air (i.e. 20.9% O₂ — Balance N₂) and at varying gas levels such as 0, 70, 150 and 400 ppm. One-year testing may not be necessary depending on construction similarities between revised product and the existing approved construction/operating instructions from the same manufacturer.

44A.3 The sensors are to be exposed to 30 ± 5 PPM CO within the closed environment at $23 \pm 3^\circ\text{C}$, $50 \pm 20\%$ relative humidity for a minimum of one year. To maintain environmental conditions, the CO levels and humidity level are to be controlled. Manufacturer's recommended environmental operating parameters that exceed the ambient conditions in 44A.3 may also be subject to the test requirements in 44A.4.

a) The analog and/or digital output measurements/data from the sensor and analyzer (when used) shall be recorded at least once every thirty seconds with the data:

- 1) Maintained by the manufacturer,
- 2) Submitted to the test organization in a format that is agreed upon between the test organization and manufacturer and
- 3) Submitted to the test organization for review at least once every 30 days for the duration of the test program.

UL copyrighted material not authorized for reproduction without prior permission from UL.

b) The sensor data shall include but may not be limited to:

1) Ambient environmental test conditions as noted in 44A.3 above, including barometric pressure.

2) Raw, analog and/or digital output measurements/data from the sensor.

3) If required, converted analog and/or digital output measurements/data from the sensor that correlates with all gas concentration specifications provided in the manufacturer's specifications.

c) The analyzer used for validating the gas concentration and/or absence of gas shall be included in the data recording as noted in (a) and (b) above.

44A.4 For manufacturer's recommended environmental conditions that exceed 44A.3, the environmental conditions shall be maintained within the manufacturer's recommended ambient conditions and tolerances. If applicable, the input/output circuit of the sensor shall include the manufacturer's recommended temperature compensation circuit.

44A.5 Including the tolerance/measurement error of the gas analyzer equipment used to verify the CO concentration and/or the calibration error provided with the test CO, the CO sensor drift of all sensors in clean air and/or when exposed to CO over the course of one year shall not exceed the gas sensors' specified tolerance ranges.

44A.6 The manufacturer's specification document shall be included with each sensor or with each batch of sensors and include the following:

a) The gas sensor's specified tolerance and/or

b) If applicable, a custom calculation method required to verify the sensor's sensitivity performance. This method shall be used to verify that the test data collected during performance testing remains within the manufacturer's defined limits which are based on the custom sensitivity calculation method.

UL copyrighted material. Not authorized for further reproduction without permission from UL.