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Project Initiation Notification System (PINS)

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

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

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

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Revision

BSR X9.44-202X, Key Establishment Using Integer Factorization Cryptography (revision of ANSI X9.44-2007 (R2017))

Stakeholders: All stakeholders currently relying on X9.44 or requiring up-to-date information regarding Key Establishment Using Integer Factorization Cryptography.

Project Need: This standard specifies key-establishment schemes using public-key cryptography that may be used by two parties to transport or agree upon shared keying material that is intended for the cryptographic protection of information to be communicated over public networks (e.g., the Internet).

Interest Categories: Consumer, Producer, General Interest

Scope: This Standard specifies key-establishment schemes using public-key cryptography based on the integer factorization problem. Two types of key establishment schemes are specified. In the first type, key transport, one party selects keying material and conveys it to the other party with cryptographic protection. In the second type, key agreement, both parties actively share in the establishment of the keying material. The keying material may consist of one or more individual keys used to provide other cryptographic services that are outside the scope of this Standard, e.g., data confidentiality, data integrity, or symmetric-key-based key establishment. This revision of ANS X9.44 adopts the key-establishment schemes specified in NIST Special Publication (SP) 800-56B (Recommendation for Pair-Wise Key Establishment Using Integer Factorization Cryptography) and SP 800-56C (Recommendation for Key-Derivation Methods in Key-Establishment Schemes), which are based on the schemes specified in the original version of ANS X9.44.

BPI (Building Performance Institute)

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Revision

BSR/BPI 1200-S-202x, Standard Practice for Basic Analysis of Buildings (revision of ANSI/BPI-1200-S-2017)

Stakeholders: Manufacturers of materials and equipment, service providers; contractors and energy efficiency agencies concerned with home performance retrofit of existing buildings

Project Need: Update the standard in accordance with the five-year maintenance requirement, to improve clarity, reflect recent changes in the industry, and ensure consistency of terminology.

Interest Categories: a) Industry: A member who is involved with researching, designing, producing, distributing, or selling materials or products related to the body of standards. b) User: A member who purchases, uses, installs or specifies materials, products, systems, or services related to the body of standards. c) General Interest: General Interest members are neither Industry nor User members. This category may include programs, utilities, government, health/safety professionals, other organizations or associations.

Scope: Defines the minimum criteria and specific procedures for conducting building science-based residential energy audits and related diagnostic tests. The assessment shall include an audit that will address energy usage and limited aspects of building durability, occupant comfort, health, and safety. The audit report will provide a comprehensive list of prioritized recommendations to improve the energy efficiency of the home and to address related health and safety, comfort, and building durability issues as identified in this standard. The audit report will include a cost-benefit analysis.

CSA (CSA America Standards Inc.)

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New Standard

BSR/CSA NA-202x, Hybrid Heating Systems Performance Rating Method (new standard)

Stakeholders: Utilities, HHS Manufacturers, Governmental Agencies, Users

Project Need: These new systems have the potential to significantly reduce GHG emissions for a relatively low incremental cost, when compared to a conventional gas fired heating system and air conditioning unit. Without a system performance standard, it is difficult to determine the performance of various equipment pairings. The expected result of this project is a performance ranking that will facilitate market transformation to higher performance systems.

Interest Categories: Producer Interest, User Interest, Regulatory Authority, General Interest

Scope: Residential hybrid heating systems (HHS) have been gaining attention as a cost-effective solution that can reduce greenhouse gas (GHG) emissions and provide comfort, even at very cold outside temperatures. Hybrid systems can have a seasonal COP greater than 1.0 and could meet policy goals for reducing GHG emissions in space and water heating equipment. In response to this new interest in dual fuel systems, a committee has been set up by CSA Group to develop hybrid heating system performance standard(s).

IES (Illuminating Engineering Society)

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New Standard

BSR/IES LM-93-202x, Approved Method: Optical and Electrical Measurements of Far UV-C Excimer Sources (new standard)

Stakeholders: Lighting practitioners, architects, interior designers, healthcare facilities, electrical engineers, regulatory agencies, the general public, lighting test laboratories.

Project Need: This Approved Method considers the specific measurement challenges and characteristics of far UV-C optical radiation sources and does not focus on the measurement of energy efficacy but on application-relevant data such as electrical, irradiance, spectral distribution, and angular distribution of the optical radiation source, including the driver. The main reason for this different approach (compared to that used for other UV-C optical radiation sources, like UV-C LEDs and low-pressure mercury lamps) is that other reliable measurement methods (e.g., in a sphere) to measure total output power in the far UV-C range are not yet established.

Interest Categories: USER-Affected (UA), USER-Public Interest (UP), Testing Lab - Test Equipment User (TEU), Test Equipment Manufacturer (TEM), Producer (P), General Interest-Government, Regulatory (GGR)

Scope: The use of far UV-C optical radiation sources in various disinfection applications is a subject of increasing interest. The main reason is that this region of the UV spectrum (200 nm to 230 nm) offers a high rate of pathogen reduction, with much lower photobiological risk than that of longer-wavelength UV devices, and without the problems associated with ozone generation at shorter UV wavelengths.

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

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New Standard

INCITS 576-202x, Information Technology - Fibre Channel – Non-Volatile Memory Express - 3 (FC-NVMe-3) (new standard)

Stakeholders: ICT Industry - Consumers and developers of Fibre Channel devices and systems benefit from this standard through a wider variety of value propositions in products available on the open market.

Project Need: The proposed project provides a compatible evolution of the Fibre Channel – Non-Volatile Memory Express - 2 standard.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Recommends the development of a set of technical additions and clarifications to INCITS 556-2020, Fibre Channel - Non-Volatile Memory Express - 2 (FC-NVMe-2). Included within this scope are: a) Sequence retransmission from non-zero relative offset; b) enhancements to the protocol; c) corrections and clarifications, and d) any other item as deemed necessary during development.

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

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National Adoption

INCITS/ISO/IEC 9594-1:2020 [202x], Information technology - Open systems interconnection - Part 1: The Directory: Overview of concepts, models and services (identical national adoption of ISO/IEC 9594-1:2020 and revision of INCITS/ISO/IEC 9594-1:2017 [2018])

Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Provides the directory capabilities required by many application-layer standards and telecommunication services. Among the capabilities which it provides are those of "user-friendly naming", whereby objects can be referred to by names which are suitable for citing by human users (though not all objects need have user-friendly names); and "name-to-address mapping" which allows the binding between objects and their locations to be dynamic.

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National Adoption

INCITS/ISO/IEC 9594-2:2020 [202x], Information technology - Open systems interconnection - Part 2: The Directory: Models (identical national adoption of ISO/IEC 9594-2:2020 and revision of INCITS/ISO/IEC 9594-2:2017 [2018])

Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Provides a conceptual and terminological framework for the other ITU-T X.500-series Recommendations | parts of ISO/IEC 9594 which define various aspects of the Directory. The functional and administrative authority models define ways in which the Directory can be distributed, both functionally and administratively. Generic Directory System Agent (DSA) and DSA information models and an Operational Framework are also provided to support Directory distribution.

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National Adoption

INCITS/ISO/IEC 9594-3:2020 [202x], Information technology - Open systems interconnection - Part 3: The Directory: Abstract service definition (identical national adoption of ISO/IEC 9594-3:2020 and revision of INCITS/ISO/IEC 9594-3:2017 [2018])

Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Defines in an abstract way the externally visible service provided by the Directory. This document does not specify individual implementations or products.

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

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National Adoption

INCITS/ISO/IEC 9594-4:2020 [202x], Information technology - Open systems interconnection - Part 4: The Directory: Procedures for distributed operation (identical national adoption of ISO/IEC 9594-4:2020 and revision of INCITS/ISO/IEC 9594-4:2017 [2018])

Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Specifies the behavior of DSAs taking part in a distributed directory consisting of multiple Directory systems agents (DSAs) and/or LDAP servers with at least one DSA. The allowed behavior has been designed to ensure a consistent service given a wide distribution of the DIB across a distributed directory. Only the behavior of DSAs taking part in a distributed directory is specified. The behavior of LDAP servers are specified in relevant LDAP specifications. There are no special requirements on an LDAP server beyond those given by the LDAP specifications.

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

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National Adoption

INCITS/ISO/IEC 9594-5:2020 [202x], Information technology - Open systems interconnection - Part 5: The Directory: Protocol specifications (identical national adoption of ISO/IEC 9594-5:2020 and revision of INCITS/ISO/IEC 9594-5:2017 [2018])

Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Specifies the Directory Access Protocol, the Directory System Protocol, the Directory Information Shadowing Protocol, and the Directory Operational Binding Management Protocol which fulfill the abstract services specified in Rec. ITU-T X.511 | ISO/IEC 9594-3, Rec. ITU-T X.518 | ISO/IEC 9594-4, Rec. ITU-T X.525 | ISO/IEC 9594-9, and Rec. ITU-T X.501 | ISO/IEC 9594-2.

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National Adoption

INCITS/ISO/IEC 9594-6:2020 [202x], Information technology - Open systems interconnection - Part 6: The Directory: Selected attribute types (identical national adoption of ISO/IEC 9594-6:2020 and revision of INCITS/ISO/IEC 9594-6:2017 [2018])

Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Defines a number of attribute types and matching rules which may be found useful across a range of applications of the Directory.

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National Adoption

INCITS/ISO/IEC 9594-7:2020 [202x], Information technology - Open systems interconnection - Part 7: The Directory: Selected object classes (identical national adoption of ISO/IEC 9594-7:2020 and revision of INCITS/ISO/IEC 9594-7:2017 [2018])

Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Defines a number of object classes and name forms which may be found useful across a range of applications of the Directory. The definition of an object class involves listing a number of attribute types which are relevant to objects of that class. The definition of a name form involves naming the object class to which it applies and listing the attributes to be used in forming names for objects of that class. These definitions are used by the administrative authority which is responsible for the management of the directory information.

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National Adoption

INCITS/ISO/IEC 9594-8:2020 [202x], Information technology - Open systems interconnection - Part 8: The Directory: Public-key and attribute certificate frameworks (identical national adoption of ISO/IEC 9594-8:2020 and revision of INCITS/ISO/IEC 9594-8:2017 [2018])

Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Addresses some of the security requirements in the areas of authentication and other security services through the provision of a set of frameworks upon which full services can be based. Specifically, this Recommendation | International Standard defines frameworks for public-key certificates; and attribute certificates.

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

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National Adoption

INCITS/ISO/IEC 9594-9:2020 [202x], Information technology - Open systems interconnection - Part 9: The Directory: Replication (identical national adoption of ISO/IEC 9594-9:2020 and revision of INCITS/ISO/IEC 9594-9:2017 [2018])

Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Specifies a shadow service which Directory system agents (DSAs) may use to replicate Directory information. The service allows Directory information to be replicated among DSAs to improve service to Directory users. The shadowed information is updated, using the defined protocol, thereby improving the service provided to users of the Directory.

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

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National Adoption

INCITS/ISO/IEC 9594-11:2020 [202x], Information technology - Open systems interconnection directory - Part 11: Protocol specifications for secure operations (identical national adoption of ISO/IEC 9594-11:2020)

Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Provides guidance on how to prepare new and old protocols for cryptographic algorithm migration, and defines auxiliary cryptographic algorithms to be used for migration purposes.

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

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National Adoption

INCITS/ISO/IEC 9594-2:2020/AM1:2021 [202x], Information technology - Open systems interconnection - Part 2: The Directory: Models - Amendment 1 (identical national adoption of ISO/IEC 9594-2:2020/AM1:2021)

Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Amendment 1 to ISO/IEC 9594-2:2020.

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

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National Adoption

INCITS/ISO/IEC 9594-8:2020/COR1:2021 [202x], Information technology - Open systems interconnection - Part 8: The Directory: Public-key and attribute certificate frameworks - Technical Corrigendum 1 (identical national adoption of ISO/IEC 9594-8:2020/COR1:2021)

Stakeholders: ICT Industry

Project Need: Adoption of this international standard is beneficial to the ICT Industry

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Technical Corrigendum 1 to ISO/IEC 9594-8:2020.

MHI (Material Handling Industry)

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Revision

BSR MH26.2-202X, Design, Testing, and Utilization of Industrial Storage Rack Decking (revision of ANSI MH26.2-2017)

Stakeholders: Manufacturers, distributors, installers, regulators, and users of industrial steel storage racks and storage rack decking.

Project Need: This project is a revision of ANSI MH26.2-2017. It expands the scope of decking materials beyond welded-wire decking and expands the testing criteria to include various concentrated and partially distributed loading conditions.

Interest Categories: Manufacturer, Distributor, User, General Interest

Scope: This standard is established to provide a guideline for design, testing, fabrication, and utilization of industrial storage rack decking utilized as an accessory for industrial steel storage racks. Industrial storage rack decking is placed on beams of industrial steel storage racks to create a surface on which to place materials that can be on pallets, in containers, or in some other form. This standard applies to uniformly loaded rack decking, as well as various concentrated and partially distributed loading conditions common to storage rack applications. The racking decking can be fabricated from welded-wire mesh with permanently attached reinforcements, metal bar grating, composite engineered wood, corrugated metal, perforated sheet metal, or other materials that meet the performance requirements for use in storage racks.

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 1020-202x, Standard for Fire Officer and Emergency Services Instructor Professional Qualifications (revision, redesignation and consolidation of ANSI/NFPA 1021-2020)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and Need

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

Scope: 1.1 Scope. This standard provides minimum requirements for professional qualifications for fire office and fire and emergency services instructor positions.

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 1580-202x, Standard for Emergency Responder Occupational Health and Wellness (revision, redesignation and consolidation of ANSI/NFPA 1581-2022)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and Need

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications

Scope: This standard contains minimum requirements for a fire department infection control program; descriptive requirements for a comprehensive occupational medical program for fire departments; establishes the minimum requirements for the development, implementation, and management of a health-related fitness program (HRFP) for members of the fire department involved in emergency operations; and establishes the minimum criteria for developing and implementing processes for member prehabilitation, contamination control, rehabilitation, and recovery from incident scene operations and training exercises.

OEOSC (ASC OP) (Optics and Electro-Optics Standards Council)

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Revision

BSR OEOSC OP1.002-202x, Optics and Electro-Optical Instruments – Optical Elements and Assemblies – Surface Imperfections (revision of ANSI OEOSC OP1.002-2017)

Stakeholders: Industrial Users and Manufacturers of Optics

Project Need: The US optics industry needs clear and unambiguous optical standards. Revisions are required to ensure industry needs are maintained.

Interest Categories: Producers, User, General Interest

Scope: Revise current ANS - ANSI/OEOSC OP1.002-2017.

TAPPI (Technical Association of the Pulp and Paper Industry)

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Reaffirmation

BSR/TAPPI T 266 om-2018 (R202x), Determination of sodium, calcium, copper, iron and manganese in pulp and paper by atomic absorption spectroscopy (reaffirmation of ANSI/TAPPI T 266 om-2018)

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 conduct required five-year review of an existing TAPPI/ANSI Standard.

Interest Categories: Producers, Converters, Suppliers of chemical/raw materials, Suppliers of manufacturing equipment, Service and general suppliers, Commercial users, Marketers and Commercial Sellers, Consultants, Educators, General Interest

Scope: 1.1 This method describes the determination of sodium, calcium, copper, iron, and manganese in pulp, paper, and wood by atomic absorption spectroscopy. 1.2 This method may also be applicable to other elements, provided that they do not volatilize in the process.

TAPPI (Technical Association of the Pulp and Paper Industry)

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Reaffirmation

BSR/TAPPI T 271 om-2012 (R202x), Fiber length of pulp and paper by automated optical analyzer using polarized light (reaffirmation of ANSI/TAPPI T 271 om-2012 (R2018))

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 conduct required five-year review of an existing TAPPI/ANSI Standard.

Interest Categories: Producers, Converters, Suppliers of chemical/raw materials, Suppliers of manufacturing equipment, Service and general suppliers, Commercial users, Marketers and Commercial Sellers, Consultants, Educators, General Interest

Scope: 1.1 This is an automated method by which the numerical and weighted average fiber lengths and fiber length distributions of pulp and paper can be measured using light polarizing optics in the range of 0.1 mm to 7.2 mm. 1.2 The fiber length can also be measured using the following methods: TAPPI T 232 "Fiber Length of Pulp by Projection" and TAPPI T 233 "Fiber Length of Pulp by Classification."

TAPPI (Technical Association of the Pulp and Paper Industry)

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Reaffirmation

BSR/TAPPI T 275 sp-2018 (R202x), Screening of pulp (Somerville-type equipment) (reaffirmation of ANSI/TAPPI T 275 sp-2018)

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 conduct required five-year review of an existing TAPPI/ANSI Standard.

Interest Categories: Producers, Converters, Suppliers of chemical/raw materials, Suppliers of manufacturing equipment, Service and general suppliers, Commercial users, Marketers and Commercial Sellers, Consultants, Educators, General Interest

Scope: 1.1 The purpose of this method is to separate contaminants such as shives in mechanical pulp, and macro stickies, plastics, sand, metal pieces, and flakes in recycled fiber from pulp fibers for subsequent examination and/or quantification. This method employs a screening device and the separation is based on size difference between fibers and contaminants. However, depending on their flexibility and/or geometry, not all of the contaminants that are larger in size than fiber can be captured by the screen

TAPPI (Technical Association of the Pulp and Paper Industry)

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Reaffirmation

BSR/TAPPI T 491 om-2018 (R202x), Water immersion number of paperboard (reaffirmation of ANSI/TAPPI T 491 om-2018)

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 conduct required five-year review of an existing TAPPI/ANSI Standard.

Interest Categories: Producers, Converters, Suppliers of chemical/raw materials, Suppliers of manufacturing equipment, Service and general suppliers, Commercial users, Marketers and Commercial Sellers, Consultants, Educators, General Interest

Scope: This test is applicable to paperboards that are medium-sized, with an immersion number between 4.5 and 6.0, to hard-sized, with an immersion number of 3.5 or less, throughout.

TAPPI (Technical Association of the Pulp and Paper Industry)

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Reaffirmation

BSR/TAPPI T 551 om-2018 (R202x), Thickness of paper and paperboard (soft platen method) (reaffirmation of ANSI/TAPPI T 551 om-2018)

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 conduct required five-year review of an existing TAPPI/ANSI Standard.

Interest Categories: Producers, Converters, Suppliers of chemical/raw materials, Suppliers of manufacturing equipment, Service and general suppliers, Commercial users, Marketers and Commercial Sellers, Consultants, Educators, General Interest

Scope: 1.1 This method describes a procedure for measuring the thickness of a single sheet of paper or paperboard using soft synthetic rubber platens against the paper to minimize the effect of surface roughness.

This method is not to be confused with nor substituted for TAPPI T 411 "Thickness (Caliper) of Paper and Paperboard and Combined Board." It is to be used primarily for sheet density calculations. Because of the relatively high pressure (50 kPa), this method may not be suitable for measurement of tissue or other soft or low density materials, because the structure may collapse at the prescribed pressure of 50 kPa (7.2 psi).

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

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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: June 26, 2022

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

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

Addenda

BSR/ASHRAE Addendum ad to BSR/ASHRAE Standard 34-202x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2019)

This proposed addendum adds single-compound refrigerant R-1132(E) to Tables 4-1, D-1, and E-1.

[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 | rshanley@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE Addendum ae to BSR/ASHRAE Standard 34-202x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2019)

This proposed addendum adds the zeotropic refrigerant blend R-474A to Tables 4-2 and D-2.

[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>

Comment Deadline: June 26, 2022

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

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

Addenda

BSR/ASHRAE Addendum af to BSR/ASHRAE Standard 34-202x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2019)

This proposed addendum adds the zeotropic refrigerant blend R-457C to Tables 4-2 and D-2.

[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>

NSF (NSF International)

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

Revision

BSR/NSF 40-202x (i47r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2020)

This Standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities between 1,514 L/d (400 gal/d) and 5,678 L/d (1,500 gal/d). Management methods for the treated effluent discharged from residential wastewater treatment systems are not addressed by this Standard. System components covered under other NSF or NSF/ANSI standards or criteria shall also comply with the requirements therein. This Standard shall in no way restrict new system designs, provided such designs meet the minimum specifications described herein.

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

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

NSF (NSF International)

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

Revision

BSR/NSF 173-202x (i98r2), Dietary Supplements (revision of ANSI/NSF 173-2021)

The purpose of NSF/ANSI 173 is to serve as an evaluation tool for analyzing dietary supplements. Certification to this Standard serves as a communication tool between manufacturers of ingredients and finished product, retailers, healthcare practitioners, and consumers. This Standard provides test methods and evaluation criteria to allow for the determination that a dietary supplement contains the ingredients claimed on the label, either qualitatively or quantitatively, and that it does not contain specific undeclared contaminants. In some instances, validated laboratory methods are not yet available for analyzing certain ingredients. In such cases, new methods will be added to this Standard as they become available.

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

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

Comment Deadline: June 26, 2022

NSF (NSF International)

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

Revision

BSR/NSF 245-202x (i29r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2020)

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

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

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

NSF (NSF International)

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

Revision

BSR/NSF 350-202x (i68r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2020)

This Standard contains minimum requirements for onsite residential and commercial greywater treatment systems. Systems may include greywater reuse treatment systems having a rated treatment capacity up to 5,678 L/d (1,500 gal/d); or Commercial greywater reuse treatment systems. This applies to onsite commercial reuse treatment systems that treat combined commercial facility greywater with capacities exceeding 5,678 L/d (1,500 gal/d) and commercial facility laundry water only of any capacity. Management methods and end uses appropriate for the treated effluent discharged from greywater residential and commercial treatment systems meeting this Standard are limited to subsurface discharge to the environment only.

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

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

Comment Deadline: June 26, 2022

NSF (NSF International)

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

Revision

BSR/NSF 350-202x (i69r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2020)

This Standard contains minimum requirements for onsite residential and commercial greywater treatment systems. Systems may include greywater reuse treatment systems having a rated treatment capacity up to 5,678 L/d (1,500 gal/d); or Commercial greywater reuse treatment systems. This applies to onsite commercial reuse treatment systems that treat combined commercial facility greywater with capacities exceeding 5,678 L/d (1,500 gal/d) and commercial facility laundry water only of any capacity. Management methods and end uses appropriate for the treated effluent discharged from greywater residential and commercial treatment systems meeting this Standard are limited to subsurface discharge to the environment only"

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

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

NSF (NSF International)

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

Revision

BSR/NSF 455-3-202x (i34r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2021)

This Standard is intended to define a standardized approach for auditing to determine the level of compliance of cosmetic products to ISO 22716 Good Manufacturing Practices (GMPs) for cosmetics as well as incorporating additional retailer requirements. It refers to the requirements for GMPs applicable to all cosmetics. It will assist in the determination of adequate facilities and controls for cosmetic manufacture with sufficient quality to ensure suitability for intended use.

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

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

RESNET (Residential Energy Services Network, Inc.)

4867 Patina Court, Oceanside, CA 92057 | rick.dixon@resnet.us, www.resnet.us.com

Revision

BSR/RESNET/ICC 301-2022 Addendum A-202x, Renewable Energy Certificates (revision of ANSI/RESNET/ICC 301-2022)

Addendum A adds a definition for Renewable Energy Certificates (RECs) to the standard and requires documenting the ownership status of RECs when renewable energy systems are used for onsite power production. The addendum also revises the definition of Infiltration Volume.

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

Send comments (copy psa@ansi.org) to: RESNET using the online comment form which is accessed by following the "ANSI Standards & Amendments Out For Public Comment" link on webpage: <https://www.resnet.us/about/standards/standards-currently-out-for-public-comment/> then selecting the link to this

Comment Deadline: June 26, 2022

UL (Underwriters Laboratories)

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

Revision

BSR/UL 1978-202x, Standard for Grease Ducts (May 27, 2022) (revision of ANSI/UL 1978-2013 (R2021))

This proposal covers: 1. Additions to UL 1978.

[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)

333 Pfingsten Road, Northbrook, IL 60062 | Elizabeth.Northcott@ul.org, <https://ul.org/>

Revision

BSR/UL 2442-202x, Standard for Safety for Wall- and Ceiling-Mounts and Accessories (revision of ANSI/UL 2442-2022)

1. Proposed revision of and addition of requirements to allow for mounts or lifts to descend lower than 8 feet above the floor when the equipment is provided with interlock controls that comply with new interlock construction requirements.

[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: July 11, 2022

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 013-202x, Standard for Friction Ridge Examination Conclusions (new standard)

This standard defines terms and establishes qualitative expressions for the categories of conclusions reached following friction ridge comparisons. This standard does not cover the following topics:

- The manner by which examiners arrive at their assessments of the strength or weight of the findings with respect to the source of the questioned impression;
- Suitability determinations rendered on a friction ridge impression;
- Documentation of conclusions; and
- How an agency or other forensic service provider (FSP) will define or validate the criteria used for selecting source conclusions.

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

Comment Deadline: July 11, 2022

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 158-202x, Standard for Developing Standard Operating Procedures in Bloodstain Pattern Analysis (new standard)

This standard provides guidance on the development of Standard Operating Procedures (SOP) that are a component of the quality assurance program for Bloodstain Pattern Analysis. The standard specifies SOP requirements for equipment, materials, reagents, calculations, documenting limitations, safety, and the generation of reports. The standard is applicable to scene, laboratory, and remote examinations.

Single copy price: Free

Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: <https://www.aafs.org/academy-standards-board>

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

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 172-202x, Standard for Examination of Mechanical Checkwriters and Their Impressions (new standard)

This standard provides procedures for determining classification information and machine identification of mechanical checkwriters. These procedures include evaluation of the material. These procedures are applicable whether the examination and comparison is of questioned and known items or of exclusively questioned items.

Single copy price: Free

Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: <https://www.aafs.org/academy-standards-board>

Order from: Document will be provided electronically on AAFS Standards Board website (<https://www.aafs.org/academy-standards-board>) free of charge.

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

AGSC (Auto Glass Safety Council)

20 PGA Drive, Suite 201, Stafford, VA 22554 | kbimber@glass.com, www.agsc.org

Revision

BSR/AGSC/AGRSS 005-202x, Auto Glass Safety Council/Automotive Glass Replacement Safety Standard 005 (revision and redesignation of ANSI/AGSC/AGRSS 004-2018)

An automotive glass replacement safety standard addressing procedures, education, and product performance for motor vehicles falling within the guidelines of FMVSS 208/212.

Single copy price: \$39.00

Obtain an electronic copy from: kbimber@agsc.org

Order from: Kathy Bimber, (540) 602-3263, kbimber@agsc.org

Send comments (copy psa@ansi.org) to: Kathy Bimber, kbimber@agsc.org

Comment Deadline: July 11, 2022

ASABE (American Society of Agricultural and Biological Engineers)

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

National Adoption

BSR/ASABE/ISO 6689-202x, Equipment for harvesting - Combine harvesters and functional components - Vocabulary (identical national adoption of ISO 6689:2021)

Specifies terms and definitions related to combine harvesters and their component parts. It identifies dimensions and other characteristics aimed at allowing comparison of operations of the component parts, in association with ISO 8210, which lays down methods of measuring characteristics and performance requirements for the terms defined.

Single copy price: ASABE Members: \$51.00; Non ASABE Members: \$75.00

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder; vangilder@asabe.org

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

ASABE (American Society of Agricultural and Biological Engineers)

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

National Adoption

BSR/ASABE/ISO 8210-202x, Equipment for harvesting - Combine harvesters - Test procedure and performance assessment (identical national adoption of ISO 8210:2021)

Specifies a test procedure for the measurement and testing of combine harvesters. It applies to either self-propelled or trailed type, either directly cutting the crop or picking it up from a windrow, for use in several crops. This document specifies the terminology and methods to be used for measuring important characteristics of combine harvesters. It includes both functional and capacity tests, in other words, those conducted over an extended period when ease of operation, ease of adjustment, rate of work and general operating characteristics can be assessed, and those carried out on specific occasions for the determination of grain loss and capacity characteristics. It applies to all types of combine harvesters.

Single copy price: ASABE Members: \$51.00; Non ASABE Members: \$75.00

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder; vangilder@asabe.org

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Comment Deadline: July 11, 2022

ASABE (American Society of Agricultural and Biological Engineers)

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

Revision

BSR/ASABE S648-3.1 MONYEAR-202x, Agricultural Field Equipment Braking - Part 3: Requirements for Self-Propelled and Special Self-Propelled Machines (revision and redesignation of ANSI/ASABE S648-3 MONYEAR-2020)

This part of ANSI/ASABE S648 establishes test procedures and performance requirements for braking of self-propelled machines (SPM) and special self-propelled machines (SSP). The requirements and minimum performance criteria are directed to operation and parking of agricultural equipment having a maximum design ground speed greater than 6 km/h (3.7 mile/h).

Single copy price: ASABE Members: \$51.00; Non ASABE Members: \$75.00

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder; vangilder@asabe.org

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ASABE (American Society of Agricultural and Biological Engineers)

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

Revision

BSR/ASABE S648-5.2 MONYEAR-202x, Agricultural Field Equipment Braking - Part 5: Requirements for the Interface between Towing Vehicle and Towed Vehicles (revision and redesignation of ANSI/ASABE S648-5.1 NOV2021)

This part of ANSI/ASABE S648 establishes the minimum requirements for interfacing the service brake system and parking brake system on towing agricultural field equipment with the service brake system and parking brake system on towed agricultural field equipment. The requirements of this part of ANSI/ASABE S648 are applicable to dual line hydraulic and pneumatic systems but does not preclude the use of other equivalent systems. These requirements and minimum performance criteria are directed to the operation and parking of agricultural field equipment having a maximum design ground speed greater than 6 km/h (3.7 mile/h).

Single copy price: ASABE Members: \$51.00; Non ASABE Members: \$75.00

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Comment Deadline: July 11, 2022

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 S343.4-2015 (R2019), Terminology for Combines and Grain Harvesting (withdrawal of ANSI/ASAE S343.4-2015 (R2019))

The purpose of this Standard is to establish terminology pertinent to grain combine design and performance. It is intended to improve communication among engineers and researchers and to provide a basis for comparative listing of machine specifications.

Single copy price: ASABE Members: \$51.00; Non ASABE Members: \$75.00

Obtain an electronic copy from: vangilder@asabe.org

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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 S396.3 JUN2016 (R2020), Combine Capacity and Performance Test Procedure (withdrawal of ANSI/ASAE S396.3 JUN2016 (R2020))

This Standard is intended to provide the basic requirements for a uniform procedure for measuring and reporting combine capacity, as defined in standard ANSI/ASAE S343, Terminology for Combines and Grain Harvesting. Because crop conditions are variable and uncontrollable, the procedure provides only for the comparative testing of one combine, or one combine configuration, relative to another, in a particular crop condition. In addition to measuring and reporting combine capacity, this Standard is also intended to provide the basic requirements for evaluating the uniformity of material spread from harvest residue spreading or chopping device(s). Harvest residue spreaders may be evaluated for spreading either straw or chaff separately or as a system for spreading both together.

Single copy price: ASABE Members: \$51.00; Non ASABE Members: \$75.00

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder; vangilder@asabe.org

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

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK81401-202x, Specification for Agencies Engaged in System Analysis and Compliance Assurance for Manufactured Building (new standard)

<https://www.astm.org/ansi-review>

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

Order from: Laura Klineburger; accreditation@astm.org

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

Comment Deadline: July 11, 2022

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK81402-202x, Practice for Evaluating Capabilities of Agencies Involved in System Analysis and Compliance Assurance for Manufactured Building (new standard)

<https://www.astm.org/ansi-review>

Single copy price: Free

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AWWA (American Water Works Association)

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

Revision

BSR/AWWA C904-202x, Crosslinked Polyethylene (PEX) Pressure Tubing, In. Through 3 In., for Water Service (revision of ANSI/AWWA C904-2015)

This standard describes crosslinked polyethylene (PEX) pressure tubing made from material having a standard PEX material designation code of PEX 1306, or higher, according to ASTM F876 and intended for use as underground potable water, reclaimed water, and wastewater service lines in nominal sizes ½ in. through 3 in. that conform to a standard dimension ratio of SDR9.

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

BHCOE (Behavioral Health Center of Excellence)

8033 West Sunset Blvd, #1093, Los Angeles, CA 90046 | rose@bhcoe.org, www.bhcoe.org

New Standard

BSR/BHCOE 201-202x, Standards of Excellence for Applied Behavior Analysis Services (new standard)

The primary purpose of Behavioral Health Center of Excellence's (BHCOE) Standards of Excellence for Applied Behavior Analysis Services is to promote access to safe, quality, and effective clinical services for patients receiving Applied Behavior Analysis (ABA) services. These standards focus on areas needed for organizations providing ABA services to deliver and sustain high-quality ABA services, manage treatment costs, and reduce risk and liability. The standards address areas to review when assessing and measuring the quality of behavioral organizations within applied behavior analysis such as ethics, integrity, and professionalism; clinical documentation; service delivery; health, safety, and emergency preparedness, diversity, and more.

Single copy price: Free

Obtain an electronic copy from: <https://www.bhcoe.org/standard/bhcoe-standard-201-standards-guidelines-for-effective-applied-behavior-analysis-organizations/>

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

Comment Deadline: July 11, 2022

CTA (Consumer Technology Association)

1919 S. Eads Street, Arlington, VA 22202 | cakern@cta.tech, www.cta.tech

New Standard

BSR/CTA 2102-202x, Performance Criteria and Testing Protocols for Breathing Parameters (new standard)
This standard establishes definitions and performance criteria for consumer technology measuring breathing parameters including Breathing Rate (BR). Specifically, the standard provides a process for the evaluation of respiration monitoring solutions through a variety of applications including sedentary, exercise, sleep, and typical lifestyle activity.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

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Send comments (copy psa@ansi.org) to: CAkers@cta.tech

NENA (National Emergency Number Association)

1700 Diagonal Road, Suite 500, Alexandria, VA 22314 | darnold@nena.org, www.nena.org

Revision

BSR/NENA STA-019.2-202x, NG9-1-1 Call Processing Metrics Standard (revision and redesignation of ANSI/NENA STA-019.1)

Work will update the names of data elements and values used for NG9-1-1 Call Processing Metrics in NENA-STA-019.1-2018, from the names that were specified in NENA-STA-010.2, to those specified in NENA-STA-010.3 (forthcoming). This update is necessary to support implementations of NG9-1-1 Call Processing Metrics consistent with NENA-STA-010.3. To participate in this development work contact Michael Smith at msmith@equature.com.

Single copy price: Free

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Comment Deadline: July 11, 2022

SCTE (Society of Cable Telecommunications Engineers)

140 Phillips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Revision

BSR/SCTE 220-3-202x, DOCSIS 3.1 Part 3: Cable Modem Operations Support System Interface-Specification (revision of ANSI/SCTE 220-3-2016)

This specification is part of the DOCSIS family of specifications developed by Cable Television Laboratories (CableLabs). In particular, this specification is part of a series of specifications that defines the fifth generation of high-speed data-over-cable systems. This specification was developed for the benefit of the cable industry, and includes contributions by operators and vendors from North America, Europe, and other regions. This specification defines the Operations Support System Interface (OSSI) requirements for the Cable Modem (CM).

Single copy price: \$50.00

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

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

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

UL (Underwriters Laboratories)

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

Revision

BSR/UL 82-202x, Standard for Safety for Electric Gardening Appliances (revision of ANSI/UL 82-2021)

1. Revisions to clarify the Requirements for Lawn Trimmers and Lawn Edge Trimmers and Separate the Specific Requirements for Edgers in new section 58A; 2. Proposed Revision to specify a chain distance measurement for pruning shears; 3. Particular requirements for cordless reciprocating (non-rotating) scissor brushcutters; 4. Supplementary SA2.2 – Corrections and clarifications; 5. Proposed revision to remove cultivator references in Table SA2.7 for pruners.

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Comment Deadline: July 26, 2022

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

Revision

BSR/UL 199-202x, Standard for Automatic Sprinklers for Fire-Protection Service (revision of ANSI/UL 199-2022)

This proposal covers: 1. Allowance for use of polymeric sprinklers in NFPA 13R applications; 2. Editorial and other revisions to clarify requirements and update testing details.

Single copy price: Free

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

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: July 26, 2022

UL (Underwriters Laboratories)

171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada | kevin.hf.wu@ul.org, <https://ul.org/>

Revision

BSR/UL 1480-202x, Standard for Safety for Speakers for Fire Alarm and Signaling Systems, Including Accessories (revision of ANSI/UL 1480-2017)

Proposed new edition is a binational standard with CAN/ULC-S541 that will incorporate requirements for Canada and the United States. The harmonized requirements include: addition of an Alternative Indoor Corrosion Test (21-Day) to be consistent with current requirements for initiating device standards; significant changes to the output pressure and sound requirements that harmonize the minimum sound level requirements at 75 dBA; clarification and revision of the abnormal and burnout tests to remove country specific differences, hence harmonizing the test procedures. A new section is included to address the misapplication of voltage in speakers that have multi-voltage capabilities; new construction and performance requirements for battery-powered units, including primary batteries, secondary batteries used for stand-by power, and rechargeable lithium-ion batteries; addition of requirements for the evaluation of reduced spacings on printed-wiring boards to be consistent with requirements for initiating devices; new requirements for Wireless Systems; addition of new firmware requirements; revisions to the gasket requirements for outdoor use products; and revisions to the ultraviolet light and water exposure test and Accelerated Air-Oven Aging Test for outdoor products.

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>

Project Withdrawn

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

UL (Underwriters Laboratories)

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

BSR/UL 1602-2011 (R202x), Standard for Safety for Gasoline-Engine-Powered, Rigid-Cutting-Member Edgers and Edger-Trimmers (reaffirmation of ANSI/UL 1602-2011 (R2017))

Inquiries may be directed to Doreen Stocker; Doreen.Stocker@ul.org

Notice of Withdrawal: ANS at least 10 years past approval date

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

IEEE (Institute of Electrical and Electronics Engineers)

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

ANSI/IEEE 1554-2005 (R2011), Inertial Sensor Test Equipment, Instrumentation, Data Acquisition, and Analysis

Direct inquiries to: Karen Evangelista; k.evangelista@ieee.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

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

UL (Underwriters Laboratories)

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

ANSI/UL 1602-2011 (R2017), Standard for Safety for Gasoline-Engine-Powered, Rigid-Cutting-Member Edgers and Edger Trimmers

Direct inquiries to: Doreen Stocker; Doreen.Stocker@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.

ASABE (American Society of Agricultural and Biological Engineers)

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

Revision

ANSI/ASAE S354.8 MONYEAR-2022, Safety for Farmstead Equipment (revision and redesignation of ANSI/ASAE S354.7-SEP2018) Final Action Date: 5/20/2022

ASME (American Society of Mechanical Engineers)

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

New Standard

ANSI/ASME Y14.46-2022, Product Definition Practices for Additive Manufacturing (new standard) Final Action Date: 5/19/2022

Reaffirmation

ANSI/ASME A112.1.2-2012 (R2022), Air Gaps in Plumbing Systems (For Plumbing Fixtures and Water-Connected Receptors) (reaffirmation of ANSI/ASME A112.1.2-2012 (R2017)) Final Action Date: 5/17/2022

Reaffirmation

ANSI/ASME A112.3.1-2007 (R2022), Stainless Steel Drainage Systems for Sanitary DWV, Storm, and Vacuum Applications, Above- and Below Ground (reaffirmation of ANSI/ASME A112.3.1-2007 (R2017)) Final Action Date: 5/17/2022

Reaffirmation

ANSI/ASME A112.6.2-2017 (R2022), Framing-Affixed Supports for Off-the-Floor Plumbing Fixtures (reaffirmation of ANSI/ASME A112.6.2-2017) Final Action Date: 5/17/2022

Reaffirmation

ANSI/ASME A112.14.1-2003 (R2022), Backwater Valves (reaffirmation of ANSI/ASME A112.14.1-2003 (R2017)) Final Action Date: 5/17/2022

Reaffirmation

ANSI/ASME A112.18.3-2002 (R2022), Performance Requirements for Backflow Protection Devices and Systems in Plumbing Fixture Fittings (reaffirmation of ANSI/ASME A112.18.3-2002 (R2017)) Final Action Date: 5/17/2022

Reaffirmation

ANSI/ASME A112.19.10-2017 (R2022), Retrofit Dual Flush Devices for Water Closets (reaffirmation of ANSI/ASME A112.19.10-2017) Final Action Date: 5/17/2022

Reaffirmation

ANSI/ASME A112.19.15-2012 (R2022), Bathtub/Whirlpool Bathtubs with Pressure Sealed Doors (reaffirmation of ANSI/ASME A112.19.15-2012 (R2017)) Final Action Date: 5/17/2022

Reaffirmation

ANSI/ASME A112.21.3M-1985 (R2022), Hydrants for Utility and Maintenance Use (reaffirmation of ANSI/ASME A112.21.3M-1985 (R2017)) Final Action Date: 5/17/2022

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

ANSI/ASME A112.19.3-2022/CSA B45.4-2022, Stainless Steel Plumbing Fixtures (revision of ANSI/ASME A112.19.3-2017/CSA B45.4-2017) Final Action Date: 5/17/2022

Revision

ANSI/ASME A112.6.7/CSA B79.7-2022, Sanitary Floor Sinks (revision and redesignation of ANSI/ASME A112.6.7-2010 (R2019)) Final Action Date: 5/17/2022

AWWA (American Water Works Association)

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

Revision

ANSI/AWWA C215-2022, Extruded Polyolefin Coatings for Steel Water Pipe (revision of ANSI/AWWA C215-2016) Final Action Date: 5/17/2022

Revision

ANSI/AWWA C530-2022, Pilot-Operated Control Valves (revision of ANSI/AWWA C530-2017) Final Action Date: 5/23/2022

Revision

ANSI/AWWA C900-2022, Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings, 4 In. Through 60 In. (100 mm Through 1,500 mm) (revision of ANSI/AWWA C900-2016) Final Action Date: 5/23/2022

CTA (Consumer Technology Association)

1919 S. Eads Street, Arlington, VA 22202 | cakern@cta.tech, www.cta.tech

Revision

ANSI/CTA 2006-D-2022, Testing and Measurement Methods for In-Vehicle Audio Amplifiers (revision and redesignation of ANSI/CTA 2006-C-2019) Final Action Date: 5/17/2022

IEEE (Institute of Electrical and Electronics Engineers)

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

Revision

ANSI/IEEE C37.234-2022, Guide for Protective Relay Applications to Power System Buses (revision of ANSI/IEEE C37.234-2009) Final Action Date: 5/23/2022

NCPDP (National Council for Prescription Drug Programs)

9240 East Raintree Drive, Scottsdale, AZ 85260 | mweiker@ncpdp.org, www.ncpdp.org

New Standard

ANSI/NCPDP Medicaid Pharmacy Encounters Reporting Standard V10-2022, NCPDP Medicaid Pharmacy Encounters Reporting Standard V10 (new standard) Final Action Date: 5/19/2022

Revision

ANSI/NCPDP FB v55-2022, NCPDP Formulary and Benefit Standard v55 (revision and redesignation of ANSI/NCPDP FB v54-2021) Final Action Date: 5/19/2022

NCPDP (National Council for Prescription Drug Programs)

9240 East Raintree Drive, Scottsdale, AZ 85260 | mweiker@ncdpd.org, www.ncdpd.org

Revision

ANSI/NCPDP PDMP Reporting Standard v15-2022, NCPDP Prescription Drug Monitoring Programs (PDMP) Reporting Standard v15 (revision and redesignation of ANSI/NCPDP PDMP Reporting Standard v14-2021) Final Action Date: 5/19/2022

Revision

ANSI/NCPDP RTPB Standard v13-2022, NCPDP RealTime Prescription Benefit Standard v13 (revision and redesignation of ANSI/NCPDP RTPB Standard v12-2021) Final Action Date: 5/19/2022

Revision

ANSI/NCPDP SC V2022071-2022, NCPDP SC V2022071 (revision and redesignation of ANSI/NCPDP SC Standard v2022011-2021) Final Action Date: 5/19/2022

Revision

ANSI/NCPDP Specialized Standard v2022071-2022, NCPDP Specialized Standard v2022071 (revision and redesignation of ANSI/NCPDP Specialized Standard v2022011-2021) Final Action Date: 5/19/2022

Revision

ANSI/NCPDP TC VF9-2022, NCPDP Telecommunication Standard Version F9 (revision and redesignation of ANSI/NCPDP TC VF8-2021) Final Action Date: 5/19/2022

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 | Khaled.Masri@nema.org, www.nema.org

Revision

ANSI ICEA P-117-734-2022, Ampacities For Single-Conductor Solid Dielectric Power Cable 15 kV Through 35 kV (revision of ANSI/ICEA P-117-734-2016) Final Action Date: 5/19/2022

NFPA (National Fire Protection Association)

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

Revision

ANSI/NFPA 253-2023, Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source (revision of ANSI/NFPA 253-2019) Final Action Date: 5/18/2022

Revision

ANSI/NFPA 276-2023, Standard Method of Fire Test for Determining the Heat Release Rate of Roofing Assemblies with Combustible Above-Deck Roofing Components (revision of ANSI/NFPA 276-2019) Final Action Date: 5/18/2022

Revision

ANSI/NFPA 290-2023, Standard for Fire Testing of Passive Protection Materials for Use on LP-Gas Containers (revision of ANSI/NFPA 290-2018) Final Action Date: 5/18/2022

NSF (NSF International)

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

Revision

ANSI/NSF/CAN 50-2021 (i140r6), 50-2021: Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020) Final Action Date: 5/16/2022

SCTE (Society of Cable Telecommunications Engineers)

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

Revision

ANSI/SCTE 05-2022, Test Method for F Connector Return Loss In-Line Pair (revision of ANSI/SCTE 05-2014) Final Action Date: 5/20/2022

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Julio.Morales@UL.org, <https://ul.org/>

Reaffirmation

ANSI/UL 879A-2016 (R2022), Standard for Safety for LED Sign and Sign Retrofit Kits (reaffirmation of ANSI/UL 879A-2016) Final Action Date: 5/19/2022

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.

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 interested 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 underrepresented categories:

- Producer-Software
- Producer-Hardware
- Distributor
- Service Provider
- Users
- Consultants
- Government
- SDO and Consortia Groups
- Academia
- General Interest

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.

Call for Members (ANS Consensus Bodies)

AGSC (Auto Glass Safety Council)

20 PGA Drive, Suite 201, Stafford, VA 22554 | kbimber@glass.com, www.agsc.org

BSR/AGSC/AGRSS 005-202x, Auto Glass Safety Council/Automotive Glass Replacement Safety Standard 005 (revision and redesignation of ANSI/AGSC/AGRSS 004-2018)

ASABE (American Society of Agricultural and Biological Engineers)

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

ANSI/ASAE S343.4-2015 (R2019), Terminology for Combines and Grain Harvesting (withdrawal of ANSI/ASAE S343.4-2015 (R2019))

ASABE (American Society of Agricultural and Biological Engineers)

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

ANSI/ASAE S396.3 JUN2016 (R2020), Combine Capacity and Performance Test Procedure (withdrawal of ANSI/ASAE S396.3 JUN2016 (R2020))

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE S648-3.1 MONYEAR-202x, Agricultural Field Equipment Braking - Part 3: Requirements for Self-Propelled and Special Self-Propelled Machines (revision and redesignation of ANSI/ASABE S648-3 MONYEAR-2020)

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE S648-5.2 MONYEAR-202x, Agricultural Field Equipment Braking - Part 5: Requirements for the Interface between Towing Vehicle and Towed Vehicles (revision and redesignation of ANSI/ASABE S648-5.1 NOV2021)

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE/ISO 6689-202x, Equipment for harvesting - Combine harvesters and functional components - Vocabulary (identical national adoption of ISO 6689:2021)

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE/ISO 8210-202x, Equipment for harvesting - Combine harvesters - Test procedure and performance assessment (identical national adoption of ISO 8210:2021)

CTA (Consumer Technology Association)

1919 S. Eads Street, Arlington, VA 22202 | cakkers@cta.tech, www.cta.tech

BSR/CTA 2102-202x, Performance Criteria and Testing Protocols for Breathing Parameters (new standard)

Call for Members (ANS Consensus Bodies)

IES (Illuminating Engineering Society)

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

BSR/IES LM-93-202x, Approved Method: Optical and Electrical Measurements of Far UV-C Excimer Sources (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

INCITS 576-202x, Information Technology - Fibre Channel - Non-Volatile Memory Express - 3 (FC-NVMe-3) (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

INCITS/ISO/IEC 9594-1:2020 [202x], Information technology - Open systems interconnection - Part 1: The Directory: Overview of concepts, models and services (identical national adoption of ISO/IEC 9594-1:2020 and revision of INCITS/ISO/IEC 9594-1:2017 [2018])

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 9594-2:2020 [202x], Information technology - Open systems interconnection - Part 2: The Directory: Models (identical national adoption of ISO/IEC 9594-2:2020 and revision of INCITS/ISO/IEC 9594-2:2017 [2018])

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 9594-3:2020 [202x], Information technology - Open systems interconnection - Part 3: The Directory: Abstract service definition (identical national adoption of ISO/IEC 9594-3:2020 and revision of INCITS/ISO/IEC 9594-3:2017 [2018])

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 9594-4:2020 [202x], Information technology - Open systems interconnection - Part 4: The Directory: Procedures for distributed operation (identical national adoption of ISO/IEC 9594-4:2020 and revision of INCITS/ISO/IEC 9594-4:2017 [2018])

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 9594-5:2020 [202x], Information technology - Open systems interconnection - Part 5: The Directory: Protocol specifications (identical national adoption of ISO/IEC 9594-5:2020 and revision of INCITS/ISO/IEC 9594-5:2017 [2018])

Call for Members (ANS Consensus Bodies)

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 9594-6:2020 [202x], Information technology - Open systems interconnection - Part 6: The Directory: Selected attribute types (identical national adoption of ISO/IEC 9594-6:2020 and revision of INCITS/ISO/IEC 9594-6:2017 [2018])

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 9594-7:2020 [202x], Information technology - Open systems interconnection - Part 7: The Directory: Selected object classes (identical national adoption of ISO/IEC 9594-7:2020 and revision of INCITS/ISO/IEC 9594-7:2017 [2018])

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 9594-8:2020 [202x], Information technology - Open systems interconnection - Part 8: The Directory: Public-key and attribute certificate frameworks (identical national adoption of ISO/IEC 9594-8:2020 and revision of INCITS/ISO/IEC 9594-8:2017 [2018])

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 9594-9:2020 [202x], Information technology - Open systems interconnection - Part 9: The Directory: Replication (identical national adoption of ISO/IEC 9594-9:2020 and revision of INCITS/ISO/IEC 9594-9:2017 [2018])

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 9594-11:2020 [202x], Information technology - Open systems interconnection directory - Part 11: Protocol specifications for secure operations (identical national adoption of ISO/IEC 9594-11:2020)

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 9594-2:2020/AM1:2021 [202x], Information technology - Open systems interconnection - Part 2: The Directory: Models - Amendment 1 (identical national adoption of ISO/IEC 9594-2:2020/AM1:2021)

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 9594-8:2020/COR1:2021 [202x], Information technology - Open systems interconnection - Part 8: The Directory: Public-key and attribute certificate frameworks - Technical Corrigendum 1 (identical national adoption of ISO/IEC 9594-8:2020/COR1:2021)

Call for Members (ANS Consensus Bodies)

MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | pdavison@mhi.org, www.mhi.org

BSR MH26.2-202X, Design, Testing, and Utilization of Industrial Storage Rack Decking (revision of ANSI MH26.2-2017)

NSF (NSF International)

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

BSR/NSF 40-202x (i47r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2020)

NSF (NSF International)

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

BSR/NSF 173-202x (i98r2), Dietary Supplements (revision of ANSI/NSF 173-2021)

NSF (NSF International)

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

BSR/NSF 245-202x (i29r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2020)

NSF (NSF International)

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

BSR/NSF 350-202x (i68r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2020)

NSF (NSF International)

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

BSR/NSF 350-202x (i69r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2020)

NSF (NSF International)

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

BSR/NSF 455-3-202x (i34r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2021)

OEOSC (ASC OP) (Optics and Electro-Optics Standards Council)

75 Barrett Drive, #1190, Webster, NY 14580 | paugino@optimaxsi.com, www.OEOSC.org

BSR OEOSC OP1.002-202x, Optics and Electro-Optical Instruments - Optical Elements and Assemblies - Surface Imperfections (revision of ANSI OEOSC OP1.002-2017)

Call for Members (ANS Consensus Bodies)

TAPPI (Technical Association of the Pulp and Paper Industry)

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

BSR/TAPPI T 266 om-2018 (R202x), Determination of sodium, calcium, copper, iron and manganese in pulp and paper by atomic absorption spectroscopy (reaffirmation of ANSI/TAPPI T 266 om-2018)

TAPPI (Technical Association of the Pulp and Paper Industry)

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

BSR/TAPPI T 271 om-2012 (R202x), Fiber length of pulp and paper by automated optical analyzer using polarized light (reaffirmation of ANSI/TAPPI T 271 om-2012 (R2018))

TAPPI (Technical Association of the Pulp and Paper Industry)

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

BSR/TAPPI T 275 sp-2018 (R202x), Screening of pulp (Somerville-type equipment) (reaffirmation of ANSI/TAPPI T 275 sp-2018)

TAPPI (Technical Association of the Pulp and Paper Industry)

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

BSR/TAPPI T 491 om-2018 (R202x), Water immersion number of paperboard (reaffirmation of ANSI/TAPPI T 491 om-2018)

TAPPI (Technical Association of the Pulp and Paper Industry)

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

BSR/TAPPI T 551 om-2018 (R202x), Thickness of paper and paperboard (soft platen method) (reaffirmation of ANSI/TAPPI T 551 om-2018)

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

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.

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- 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)
 - Home Innovation (Home Innovation Research Labs)
 - IES (Illuminating Engineering Society)
 - ITI (InterNational Committee for Information Technology Standards)
 - MHI (Material Handling Industry)
 - NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
 - NCPDP (National Council for Prescription Drug Programs)
 - NEMA (National Electrical Manufacturers Association)
 - NFRC (National Fenestration Rating Council)
 - 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.

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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

Additive manufacturing (TC 261)

ISO/ASTM DIS 52945, Additive manufacturing for automotive - Qualification principles - Generic machine evaluation and specification of key performance indicators for PBF-LB/M processes - 8/6/2022, \$82.00

Agricultural food products (TC 34)

ISO 9232:2003/DAMd 1, Yogurt - Identification of characteristic microorganisms (*Lactobacillus delbrueckii* subsp. *bulgaricus* and *Streptococcus thermophilus*) - Amendment 1: Inclusion of performance testing of culture media and reagents - 8/4/2022, \$33.00

Aircraft and space vehicles (TC 20)

ISO/DIS 21349, Space systems - Project reviews - 8/4/2022, \$77.00

ISO/DIS 21350, Space systems - Off-the-shelf item utilization - 8/4/2022, \$67.00

ISO/FDIS 5015-2, Unmanned aircraft systems - Part 2: Operation of vertiports for vertical take-off and landing (VTOL) unmanned aircraft (UA) - 8/27/2021, \$82.00

Applications of statistical methods (TC 69)

ISO/FDIS 13528, Statistical methods for use in proficiency testing by interlaboratory comparison -, \$155.00

Cosmetics (TC 217)

ISO/FDIS 23674, Cosmetics - Analytical methods - Direct determination of traces of mercury in cosmetics by thermal decomposition and atomic absorption spectrometry (mercury analyser) - 3/26/2021, \$67.00

Dentistry (TC 106)

ISO/FDIS 3107, Dentistry - Zinc oxide/eugenol cements and zinc oxide/non-eugenol cements -, \$53.00

ISO/DIS 4865, Dentistry - General requirements of non-hinged hand instruments - 8/4/2022, \$46.00

Dimensional and Geometrical Product Specifications and Verification (TC 213)

ISO/DIS 3611, Geometrical product specifications (GPS) - Dimensional measuring equipment: Micrometers for external measurements - Design and metrological characteristics - 3/19/2022, \$67.00

Earth-moving machinery (TC 127)

ISO/DIS 21815-3, Earth-moving machinery - Collision warning and avoidance - Part 3: Risk area and risk level - Forward/reverse motion - 8/7/2022, \$119.00

Furniture (TC 136)

ISO/DIS 7173, Furniture - Chairs and stools - Determination of strength and durability - 3/20/2022, \$134.00

Glass in building (TC 160)

ISO/DIS 23237, Glass in building - Test method of light transmittance for the glass photovoltaic (PV) module in buildings - 8/4/2022, \$46.00

Graphical symbols (TC 145)

ISO/DIS 28564-4, Public information guidance systems - Part 4: Guidelines for installation and assessment - 3/21/2022, \$53.00

Healthcare organization management (TC 304)

ISO/DIS 6028, Pandemic Response - Functional requirements for self-symptom checker app - 8/5/2022, \$71.00

Horology (TC 114)

ISO/DIS 17514, Time-measuring instruments - Photoluminescent deposits - Test methods and requirements - 8/6/2022, \$53.00

Industrial trucks (TC 110)

ISO/FDIS 5057, Industrial trucks - Inspection and repair of fork arms in service on fork-lift trucks - 8/30/2021, \$40.00

ISO/FDIS 13284, Industrial trucks - Fork arm extensions and telescopic fork arms - Technical characteristics and strength requirements - 8/27/2021, \$53.00

Internal combustion engines (TC 70)

ISO/DIS 7967-3, Reciprocating internal combustion engines - Vocabulary of components and systems - Part 3: Valves, camshaft drives and actuating mechanisms - 3/20/2022, \$77.00

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

ISO/DIS 19901-4, Petroleum and natural gas industries - Specific requirements for offshore structures - Part 4: Geotechnical design considerations - 3/20/2022, \$215.00

Mechanical testing of metals (TC 164)

ISO/DIS 4545-1, Metallic materials - Knoop hardness test - Part 1: Test method - 8/6/2022, \$93.00

ISO/DIS 6507-1, Metallic materials - Vickers hardness test - Part 1: Test method - 8/4/2022, \$102.00

Optics and optical instruments (TC 172)

ISO/DIS 10110-16, Optics and photonics - Preparation of drawings for optical elements and systems - Part 16: Diffractive surfaces - 3/19/2022, \$98.00

Petroleum products and lubricants (TC 28)

ISO/DIS 6729, Petroleum products and other liquids - Standard test method for ethanol determination in gasoline blends by gas chromatography - 8/6/2022, \$46.00

Plain bearings (TC 123)

ISO/DIS 4383, Plain bearings - Multilayer materials for thin-walled plain bearings - 8/7/2022, \$53.00

Plastics (TC 61)

ISO/DIS 2113, Reinforcement fibres - Woven fabrics - Requirements and specifications - 8/6/2022, \$46.00

ISO/DIS 5430, Plastics - Marine ecotoxicity testing scheme for soluble decomposition intermediates from biodegradable plastic materials in products intentionally used in the marine environment - Test methods and requirements - 3/21/2022, \$62.00

Powder metallurgy (TC 119)

ISO/DIS 4491-2, Metallic powders - Determination of oxygen content by reduction methods - Part 2: Loss of mass on hydrogen reduction (hydrogen loss) - 3/24/2022, \$46.00

Road traffic safety management systems (TC 241)

ISO/DIS 39003, Road Traffic Safety (RTS) - Guidance on ethical considerations relating to safety for autonomous vehicles - 8/4/2022, \$112.00

Rubber and rubber products (TC 45)

ISO/FDIS 7229, Rubber- or plastics-coated fabrics - Measurement of gas permeability - 5/9/2021, \$67.00

ISO/FDIS 2006-1, Rubber latex, synthetic - Determination of mechanical stability - Part 1: High-speed method - 7/3/2021, \$53.00

Safety of toys (TC 181)

ISO/DIS 8124-12, Safety of toys - Part 12: Microbiological Safety - 8/4/2022, \$46.00

Ships and marine technology (TC 8)

ISO/DIS 11347, Ships and marine technology - Large yachts - Measurement and assessment of the visual appearance of coatings - 3/24/2022, \$102.00

ISO/FDIS 24224, Ships and marine technology - Tanker cargo manifold shore connection - Technical requirements - 7/3/2021, \$67.00

ISO/DIS 24438, Ships and marine technology - Maritime education and training - Maritime career guidance - 3/18/2022, \$67.00

ISO/DIS 11336-1, Large yachts - Strength, weathertightness and watertightness of glazed openings - Part 1: Design criteria, materials, framing and testing of independent glazed openings - 3/19/2022, \$134.00

Solid mineral fuels (TC 27)

ISO/FDIS 23380, Coal - Selection of methods for the determination of trace elements - Guidance and requirements - 7/12/2021, \$46.00

Sports and recreational equipment (TC 83)

ISO/DIS 23537-2, Requirements for sleeping bags - Part 2: Fabric and material properties - 8/6/2022, \$40.00

Tourism and related services (TC 228)

ISO/FDIS 24804, Recreational diving services - Requirements for rebreather diver training - No-decompression diving - 6/19/2021, \$67.00

ISO/FDIS 24805, Recreational diving services - Requirements for rebreather diver training - Decompression diving to 45 m - 6/19/2021, \$77.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO/DIS 5718-1, Harvesting equipment - Requirements for cutting elements - Part 1: Blades used on rotary disc mowers and rotary drum mowers - 3/21/2022, \$46.00

ISO/DIS 5718-2, Harvesting equipment - Requirements for cutting elements - Part 2: Blades used on large rotary mowers - 3/21/2022, \$46.00

ISO/DIS 4254-13, Agricultural machinery - Safety - Part 13: Large rotary mowers - 3/21/2022, \$102.00

Traditional Chinese medicine (TC 249)

ISO/DIS 5228, Traditional Chinese Medicine -Rheum palmatum, Rheum tanguticum, and Rheum officinale root and rhizome - 8/7/2022, \$82.00

Transport information and control systems (TC 204)

ISO/DIS 20900, Intelligent transport systems - Partially automated parking systems (PAPS) - Performance requirements and test procedures - 3/24/2022, \$93.00

Water quality (TC 147)

ISO/DIS 17294-1, Water quality - Application of inductively coupled plasma mass spectrometry (ICP-MS) - Part 1: General guidelines - 3/19/2022, \$107.00

Welding and allied processes (TC 44)

ISO/DIS 17663, Welding - Quality requirements for heat treatment in connection with welding and allied processes - 8/6/2022, \$58.00

ISO/DIS 25980, Health and safety in welding and allied processes - Transparent welding curtains, strips and screens for arc welding processes - 8/8/2022, \$67.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 27032, Cybersecurity - Guidelines for Internet security - 8/4/2022, \$93.00

ISO/IEC DIS 27071, Cybersecurity - Security recommendations for establishing trusted connections between devices and services - 8/5/2022, \$88.00

ISO/IEC FDIS 18181-4, Information technology - JPEG XL image coding system - Part 4: Reference software - 6/6/2021, \$33.00

ISO/IEC DIS 24029-2, Artificial intelligence (AI) - Assessment of the robustness of neural networks - Part 2: Methodology for the use of formal methods - 8/5/2022, \$82.00

ISO/IEC FDIS 29192-8, Information security - Lightweight cryptography - Part 8: Authenticated encryption - 6/20/2021, \$71.00

ISO/IEC/IEEE DIS 24748-9, Systems and software engineering - Life cycle management - Part 9: Application of system and software life cycle processes in epidemic prevention and control systems - 3/18/2022, \$112.00

ISO/IEC/IEEE FDIS 24748-7000, Systems and software engineering - Life cycle management - Part 7000: Standard model process for addressing ethical concerns during system design -, \$134.00

IEC Standards

113/679/DTS, IEC TS 62607-6-16 ED1: Nanomanufacturing - Key control characteristics - Part 6-16: Two-dimensional materials - Doping concentration: Field effect transistor method, 08/12/2022

All-or-nothing electrical relays (TC 94)

94/705/CD, IEC 61810-7-36 ED1: All-or-nothing electrical relays - Tests and Measurements - Part 7-36: Fire hazard, 07/15/2022

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

100/3777/CD, IEC 61966-12-2 ED2: Multimedia systems and equipment - Colour measurement and management - Part 12-2: Simple metadata format for identification of colour gamut, 08/12/2022

Electrical accessories (TC 23)

23B/1391/CD, IEC 60670-1 ED3: Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 1: General requirements, 08/12/2022

23B/1389/CD, IEC 60670-21 ED2: Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 21: Particular requirements for boxes and enclosures with provision for suspension means, 08/12/2022

23B/1388/CD, IEC 60670-22 ED2: Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 22: Particular requirements for connecting boxes and enclosures, 08/12/2022

23B/1390/CD, IEC 60670-24 ED3: Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 24: Particular requirements for enclosures for housing protective devices and other power dissipating electrical equipment, 08/12/2022

Electrical equipment in medical practice (TC 62)

62D/1956/CD, ISO 80369-20 ED2: Small-bore connectors for liquids and gases in healthcare applications - Part 20: Common test methods, 07/15/2022

62D/1952/CDV, IEC 60601-2-76/AMD1 ED1: Amendment 1 - Medical electrical equipment - Part 2-76: Particular requirements for the basic safety and essential performance of low energy ionized gas haemostasis equipment, 08/12/2022

62D/1958/CDV, ISO 80601-2-72 ED2: Medical electrical equipment - Part 2-72: Particular requirements for basic safety and essential performance of home healthcare environment ventilators for ventilator-dependent patients, 08/12/2022

Electrostatics (TC 101)

101/661/CDV, IEC 61340-4-6 ED3: Electrostatics - Part 4-6: Standard test methods for specific applications - Wrist straps, 08/12/2022

Environmental conditions, classification and methods of test (TC 104)

104/937/DTR, IEC TR 60721-4-3 ED2: Classification of environmental conditions - Part 4-3: Guidance for the correlation and transformation of environmental condition classes of IEC 60721-3-3 to the environmental tests of IEC 60068 - Stationary use at weatherprotected locations, 07/15/2022

Fibre optics (TC 86)

86B/4619/CD, IEC 61300-3-3 ED4: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-3: Examinations and measurements - Active monitoring of changes in attenuation and return loss, 08/12/2022

Fuel Cell Technologies (TC 105)

105/914/FDIS, IEC 62282-4-600 ED1: Fuel cell technologies - Part 4-600: Fuel cell power systems for propulsion other than road vehicles and auxiliary power units (APU) - Fuel cell/battery hybrid systems performance test methods for excavators, 07/01/2022

Hydraulic turbines (TC 4)

4/438/NP, PNW TS 4-438 ED1: Adjustable speed pumped storage system, 08/12/2022

Industrial-process measurement and control (TC 65)

65/930/CD, IEC 63339 ED1: Unified reference model for smart manufacturing, 07/15/2022

65/925(F)/CDV, IEC 63278-1 ED1: Asset Administration Shell for industrial applications - Part 1: Asset Administration Shell structure, 08/05/2022

65/932/CD, IEC TS 62443-6-2 ED1: Security evaluation methodology for IEC 62443 - Part 4-2: Technical security requirements for IACS components, 08/12/2022

Lamps and related equipment (TC 34)

34/916/CDV, IEC 62471-7 ED1: Photobiological safety of lamps and lamp systems - Part 7: Light sources and luminaires primarily emitting visible radiation, 08/12/2022

Laser equipment (TC 76)

76/704(F)/FDIS, IEC 60825-4 ED3: Safety of laser products - Part 4: Laser guards, 06/17/2022

Magnetic components and ferrite materials (TC 51)

51/1411/CD, IEC 62044-3 ED2: Cores made of soft magnetic materials - Measuring methods - Part 3: Magnetic properties at high excitation level, 08/12/2022

Maritime navigation and radiocommunication equipment and systems (TC 80)

80/1032/CDV, IEC 61108-6 ED1: Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) - Part 6: Navigation with Indian Constellation (NavIC) / Indian Regional Navigation Satellite System (IRNSS) - Receiver equipment - Performance requirements, methods of testing and required test results, 08/12/2022

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

113/680/DTS, IEC TS 62607-6-18: Nanomanufacturing - Key control characteristics - Part 6-18: Graphene-based material - Functional groups: TGA-FTIR, 08/12/2022

113/676/DTS, IEC TS 62607-6-2 ED1: Nanomanufacturing - Key control characteristics - Part 6-2: Graphene-based material - Number of layers: atomic force microscopy, optical transmission, Raman spectroscopy, 08/12/2022

113/681/DTS, IEC TS 62607-6-22: Nanomanufacturing - Key control characteristics - Part 6-22: Graphene-based materials - Ash content: Incineration, 08/12/2022

113/677/DTS, IEC TS 62607-6-5 ED1: Nanomanufacturing - Key control characteristics - Part 6-5: Graphene materials - Contact and sheet resistance: Transfer length method, 08/12/2022

113/682/DTS, IEC TS 62607-6-7 ED1: Nanomanufacturing – Key control characteristics – Part 6-7: Graphene based material – Sheet resistance: van der Pauw method, 08/12/2022

113/678/DTS, IEC TS 62607-6-8 ED1: Nanomanufacturing – Key control characteristics – Part 6-8: Graphene based material – Sheet resistance: In-line four-point probe, 08/12/2022

Performance of household electrical appliances (TC 59)

59L/215/FDIS, IEC 61855 ED2: Household and similar use electrical hair care appliances - Methods for measuring the performance, 07/01/2022

Power electronics (TC 22)

22G/455/FDIS, IEC 61800-5-1 ED3: Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy, 07/01/2022

Power system control and associated communications (TC 57)

57/2489/CDV, IEC 62351-3 ED2: Power systems management and associated information exchange - Data and communications security - Part 3: Communication network and system security - Profiles including TCP/IP, 08/12/2022

Safety of hand-held motor-operated electric tools (TC 116)

116/589(F)/FDIS, IEC 62841-4-7 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-7: Particular requirements for pedestrian controlled walk-behind lawn scarifiers and aerators, 06/17/2022

Safety of household and similar electrical appliances (TC 61)

61/6517/CDV, IEC 60335-2-31 ED6: Household and similar electrical appliances - Safety - Part 2-31: Particular requirements for range hoods and other cooking fume extractors, 08/12/2022

61/6520/CDV, IEC 60335-2-41 ED5: Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps, 08/12/2022

61/6518/CDV, IEC 60335-2-51 ED5: Household and similar electrical appliances - Safety - Part 2-51: Particular requirements for stationary circulation pumps for heating and service water installations, 08/12/2022

61/6516/CDV, IEC 60335-2-65 ED3: Household and similar electrical appliances - Safety - Part 2-65: Particular requirements for air-cleaning appliances, 08/12/2022

61/6519/CDV, IEC 60335-2-98 ED3: Household and similar electrical appliances - Safety - Part 2-98: Particular requirements for humidifiers, 08/12/2022

Secondary cells and batteries (TC 21)

21/1147/CD, IEC 62877-1 ED2: Electrolyte and water for vented lead acid accumulators - Part 1: requirements for electrolyte, 07/15/2022

Solar photovoltaic energy systems (TC 82)

82/2051A/NP, PNW 82-2051 ED1: Photovoltaic power generating systems connection with grid - Testing of power conversion equipment - Part 5: Power Quality and EMC, 06/17/2022

Steam turbines (TC 5)

5/249(F)/FDIS, IEC 60953-3 ED2: Rules for steam turbine thermal acceptance tests - Part 3: Thermal performance verification tests of retrofitted steam turbines, 06/17/2022



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

Anaesthetic and respiratory equipment (TC 121)

[ISO 23371:2022](#), Anaesthetic and respiratory equipment - Cuff pressure indication, control and regulation devices, \$73.00

Corrosion of metals and alloys (TC 156)

[ISO 24656:2022](#), Cathodic protection of offshore wind structures, \$250.00

Dentistry (TC 106)

[ISO 22683:2022](#), Dentistry - Rotational adaptability test between implant body and implant abutment in dental implant systems, \$48.00

Ergonomics (TC 159)

[ISO 15537:2022](#), Principles for selecting and using test persons for testing anthropometric aspects of industrial products and designs, \$73.00

Human resource management (TC 260)

[ISO 30422:2022](#), Human resource management - Learning and development, \$111.00

Industrial automation systems and integration (TC 184)

[ISO 8000-64:2022](#), Data quality - Part 64: Data quality management: Organizational process maturity assessment: Application of the Test Process Improvement method, \$111.00

Information and documentation (TC 46)

[ISO 24143:2022](#), Information and documentation - Information Governance - Concept and principles, \$73.00

Mechanical vibration and shock (TC 108)

[ISO 22266-1:2022](#), Mechanical vibration - Torsional vibration of rotating machinery - Part 1: Evaluation of steam and gas turbine generator sets due to electrical excitation, \$200.00

[ISO 21940-11:2016/Amd 1:2022](#), Mechanical vibration - Rotor balancing - Part 11: Procedures and tolerances for rotors with rigid behaviour - Amendment 1, \$20.00

Packaging (TC 122)

[ISO 15750-3:2022](#), Packaging - Steel drums - Part 3: Inserted flange-type closure systems, \$200.00

Plain bearings (TC 123)

[ISO 4821:2022](#), Plain bearings - Dynamic adhesion test method for DLC coated parts under lubricated condition, \$111.00

Plastics (TC 61)

[ISO 7765-2:2022](#), Plastics film and sheeting - Determination of impact resistance by the free-falling dart method - Part 2: Instrumented puncture test, \$111.00

Pulleys and belts (including veebelts) (TC 41)

[ISO 340:2022](#), Conveyor belts - Laboratory scale flammability characteristics - Requirements and test method, \$73.00

[ISO 9608:2022](#), V-belts and V-ribbed belts - Uniformity of belts - Test method for determination of centre distance variation, \$48.00

Rubber and rubber products (TC 45)

[ISO 4645:2022](#), Rubber and rubber products - Identification of antidegradants - Thin layer chromatographic methods, \$73.00

[ISO 3302-2:2022](#), Rubber - Tolerances for products - Part 2: Geometrical tolerances, \$73.00

Ships and marine technology (TC 8)

[ISO 3482:2022](#), Ships and marine technology - Technical guidelines for active source exploration with ocean bottom seismometers (OBS), \$73.00

Traditional Chinese medicine (TC 249)

[ISO 23958-1:2022](#), Traditional Chinese medicine - Dermal needles for single use - Part 1: Tapping-type, \$73.00

Welding and allied processes (TC 44)

[ISO 18278-1:2022](#), Resistance welding - Weldability - Part 1: General requirements for the evaluation of weldability for resistance spot, seam and projection welding of metallic materials, \$111.00

ISO Technical Reports

Blockchain and distributed ledger technologies (TC 307)

[ISO/TR 23249:2022](#), Blockchain and distributed ledger technologies - Overview of existing DLT systems for identity management, \$200.00

Nanotechnologies (TC 229)

[ISO/TR 23463:2022](#), Nanotechnologies - Characterization of carbon nanotube and carbon nanofibre aerosols to be used in inhalation toxicity tests, \$175.00

Paints and varnishes (TC 35)

[ISO/TR 11594:2022](#), Best practices for the creation/evaluation of fingerprint analysis in accordance with the ISO 28199 series, \$149.00

ISO Technical Specifications

Agricultural food products (TC 34)

[ISO/TS 12788:2022](#), Rapeseed - Determination of glucosinolate content - Spectrometric method for total glucosinolates by glucose release, \$149.00

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 22216:2022](#), Information security, cybersecurity and privacy protection - New concepts and changes in ISO/IEC 15408:2022 and ISO/IEC 18045:2022, \$200.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 17826:2022](#), Information technology - Cloud Data Management Interface (CDMI) Version 2.0.0, \$250.00

[ISO/IEC 23941:2022](#), Information technology - Automatic identification and data capture techniques - Rectangular Micro QR Code (rMQR) bar code symbology specification, \$225.00

[ISO/IEC 21794-4:2022](#), Information technology - Plenoptic image coding system (JPEG Pleno) - Part 4: Reference software, \$111.00

[ISO/IEC 23090-10:2022](#), Information technology - Coded representation of immersive media - Part 10: Carriage of visual volumetric video-based coding data, \$250.00

IEC Standards

Power electronics (TC 22)

[IEC 62040-1 Amd.1 Ed. 2.0 b:2021](#), Amendment 1 - Uninterruptible power systems (UPS) - Part 1: Safety requirements, \$13.00

[IEC 62040-1 Ed. 2.1 b:2021](#), Uninterruptible power systems (UPS) - Part 1: Safety requirements, \$569.00

[IEC 62477-1 Ed. 2.0 b:2022](#), Safety requirements for power electronic converter systems and equipment - Part 1: General, \$443.00

International Electrotechnical Commission (IEC)

NEMA is relinquishing its role as the USNC TAG Administrator for the USNC TAG to IEC/TC 96. The USNC is looking for a new organization to take on this USNC TAG Administratorship.

Please note that according to the rules and procedures of the USNC, a USNC TAG cannot exist without a USNC TAG Administrator. If we cannot find a new USNC TAG Administrator, the USNC will have to withdraw from international participation and register with the IEC as a Non-Member of this Committee.

If an organization is interested in the position of USNC TAG Administrator for the USNC TAG to IEC/TC 96, they are invited to contact Betty Barro at bbarro@ansi.org by June 3, 2022.

USNC TAG Administrator - Organization Needed

TC 96 - Transformers, reactors, power supply units, and combinations thereof

Comment Deadline: June 3, 2022

Standardization in the field of safety, EMC, EMF, energy efficiency and environmental aspects of transformers, reactors, power supply units, and combinations thereof. The standardization does not cover transformers, reactors and power supply units intended to be a part of distribution networks (covered by TC 14).

TC 96 has group safety function in accordance with IEC Guide 104 for transformers other than those intended to supply distribution networks, in particular transformers and power supply units intended to allow the application of protective measures against electric shock as defined by TC 64, with no limitation of rated output power, but in certain cases including limitation of voltage.

The general limitations for voltages are:

- rated supply voltage not exceeding 1 000 V a.c.;*
- rated output voltage not exceeding 1 000 V a.c. or 1 500 V ripple free d.c.; however, internal voltages may exceed 1 000 V a.c. or 1 500 V ripple free d.c. For high-voltage applications, other than distribution networks (covered by TC 14), the rated output voltage can exceed 1 000 V a.c. or 1 500 V ripple free d.c. but the no load output voltage shall not exceed 15 000 V a.c. or 15 000 V d.c.*

The general limitations for the rated output are:

- The maximum rated output depends on the type of transformer or linear power supply unit does in most cases not exceed 25 kVA for single-phase products and 40 kVA for three phase products;*
- the maximum rated output does not exceed 1 kVA for both single-phase and three phase Switch Mode Power Supplies;*
- the general limitations for the rated core power are 25 kVA for single-phase auto transformers and 40 kVA for three phase auto transformers;*
- the general limitations for the rated power are 50 kvar for single-phase reactors and 80 kvar for three phase reactors. For special transformers, reactors and power supply units and combinations thereof there are no limitation of rated output, rated core power and rated power.*

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 281 – Fine bubble technology

Comment Deadline: May 27, 2022

ANSI has been informed that the International Sanitary Supply Association (ISSA), the ANSI-accredited U.S. TAG Administrator for ISO/TC 281 – Fine bubble technology, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 281 operates under the following scope:

Standardization in the field of Fine Bubble Technology covering general principles including terminology, characterization and applications of fine bubbles of gas in a typically but not exclusively liquid medium. The artificially manufactured fine bubbles of typically smaller than 100 micrometres in size are considered.

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

ISO Proposal for a New Field of ISO Technical Activity

Online catering service

Comment Deadline: June 10, 2022

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

Standardization in the field of online catering service. The scope will include, but is not limited to:

- *Vocabulary, principles, and framework of online catering service,*
- *Guidelines for service of online catering service providers, including physical restaurants, virtual kitchens/virtual restaurants*
- *Contents and methods of meal display and information description on online catering service website/App, and accessible online ordering,*
- *Operation management of online catering service providers, including purchasing and inventory, marketing,*
- *Monitoring, evaluation, and improvement of service.*

Excluded: Standardization covered by ISO/TC 34/SC 17(food safety management), ISO/TC 122(Packaging), ISO/TC 228/WG 16(Tourism and related services - Restaurants), ISO/TC 268/SC 2(Sustainable cities and communities - Sustainable mobility and transportation), ISO/TC 290(Online reputation) and ISO/TC 315(Cold chain logistics), and ISO/TC 326(Machinery intended for use with foodstuffs)

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 10, 2022.

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Smart Distribution in Logistics

Comment Deadline: June 3, 2022

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

The scope of the proposed new technical committee is to standardize services, techniques application and management in the field of distribution in logistics, specifically including the process of distributing goods from manufacturer or distributor to regional hub, distribution center, and ultimately to businesses such as urban retailers, and to improve the quality, safety and efficiency of distribution operations, and to enhance the stability, flexibility and sustainability of distribution in logistics.

The scope will include, but is not limited to;

- *Development of general requirement, framework, metrics, guidance, performance indicator, evaluation for smart distribution in logistics, etc.;*
- *Provision of service assurance for smart distribution in logistics (e.g. smart operation of distribution center, freight fleet management, education and training for operators, etc.)*
- *Operation, service and synergy optimization of distribution in logistics (e.g. order processing, cargo consolidation, sorting, picking, storage, repackaging and protective handling, loading, unloading, capacity allocation, shipping, distribution, other customized services, etc.)*

Excluded:

- *ISO/TC 22 Road vehicles*
- *ISO/TC 34 Food products*
- *ISO/TC122 Packaging*
- *ISO/TC 204 Intelligent transport systems*
- *ISO/TC 268 Sustainable cities and communities*
- *ISO/TC 315 Cold chain logistics*
- *ISO/TC 321 Transaction assurance in E-commerce*

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 3, 2022.

Registration of Organization Names in the United States

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

When organization names are submitted to ANSI for registration, they will be listed here alphanumerically.

Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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



**BSR/ASHRAE Addendum ad
to ANSI/ASHRAE Standard 34-2019**

Public Review Draft

**Proposed Addendum ad to
Standard 34-2019, Designation and
Safety Classification of
Refrigerants**

**First Public Review (May 2022)
(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.

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180 Technology Parkway NW, Peachtree Corners, GA 30092

BSR/ASHRAE Addendum ad to ANSI/ASHRAE Standard 34-2019, *Designation and Safety Classification of Refrigerants*
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

This proposed addendum adds single-compound refrigerant R-1132(E) to Tables 4-1, D-1, and E-1.

Note: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strike through~~ (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 ad to Standard 34-2019

Modify Tables 4-1, D-1, and E-1 as shown.

Table 4-1 Refrigerant Data and Safety Classifications

Refrigerant Number = R-1132(E)
 Chemical Name = trans-1,2-difluoroethene
 Chemical Formula = HFO-1132(E)
 OEL = 350 ppm v/v
 Safety Group = B2
 RCL = 11,000 ppm v/v; 1.8 lb/Mcf; 28 g/m³
 LFL = 43,000 ppm v/v; 7.0 lb/Mcf; 113 g/m³
 Highly Toxic or Toxic Under Code Classification = Neither

Table D-1 Refrigerant Data

Refrigerant Number = R-1132(E)
 Chemical Name = trans-1,2-difluoroethene
 Chemical Formula = HFO-1132(E)
 Relative Molar Mass = 64.0 g/mol
 Normal Boiling Point (°F) = -62.5
 Normal Boiling Point (°C) = -52.5

Table E-1 Toxicity Table for Standard 34

Refrigerant Number = R-1132(E)
 Chemical Name = trans-1,2-difluoroethene
 LC₅₀ = 106,000 ppm
 Cardiac Sensitization LOEL = ND
 Cardiac Sensitization NOEL = 116,000 ppm
 Anesthesia EC₅₀ = ND
 Anesthesia LOEL = ND
 Anesthesia NOEL = 106,250 ppm
 Other = ND
 ATEL = 30,000 ppm
 ODL = 140,000 ppm

BSR/ASHRAE Addendum ad to ANSI/ASHRAE Standard 34-2019, *Designation and Safety Classification of Refrigerants*
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FCL = 11,000 ppm

RCL = 11,000 ppm

LFL = 43,000 ppm

ATEL Source = Mortality

RCL Source = FCL



**BSR/ASHRAE Addendum ae
to ANSI/ASHRAE Standard 34-2019**

Public Review Draft

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BSR/ASHRAE Addendum ae to ANSI/ASHRAE Standard 34-2019, *Designation and Safety Classification of Refrigerants*
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FOREWORD

This proposed addendum adds the zeotropic refrigerant blend R-474A to Tables 4-2 and D-2.

Note: 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 ae to Standard 34-2019

Modify Tables 4-2 and D-2 as shown.

Table 4-2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 474A

Composition (Mass %) = R-1132(E)/1234yf (23.0/77.0)

Composition tolerances = ±2.0,±2.0

OEL = 440 ppm v/v

Safety Group = A2L

RCL = 13,000 ppm v/v; 3.3 lb/Mcf; 53 g/m³

LFL = 53,000 ppm v/v; 13 lb/Mcf; 209 g/m³

Highly Toxic or Toxic Under Code Classification = Neither

Table D-2 Data Classifications for Refrigerant Blends

Refrigerant Number = 474A

Composition (Mass %) = R-1132(E)/1234yf (23.0/77.0)

Average Relative Molar Mass = 96.7 g/mol

Bubble Point (°F) = -45.5

Dew Point (°F) = -33.6

Bubble Point (°C) = -43.1

Dew Point (°C) = -36.4



**BSR/ASHRAE Addendum af
to ANSI/ASHRAE Standard 34-2019**

Public Review Draft

**Proposed Addendum af to
Standard 34-2019, Designation and
Safety Classification of
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**First Public Review (May 2022)
(Draft shows Proposed Changes to Current Standard)**

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FOREWORD

This proposed addendum adds the zeotropic refrigerant blend R-457C to Tables 4-2 and D-2.

Note: 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 af to Standard 34-2019

Modify Tables 4-2 and D-2 as shown.

Table 4-2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 457C

Composition (Mass %) = R-32/1234yf/152a (7.5/78.0/14.5)

Composition tolerances = +0.5,-1.5/+1.0,-1.0/+0.5,-1.5

OEL = 610 ppm v/v

Safety Group = A2L

RCL = 13,800 ppm v/v; 3.4 lb/Mcf; 54 g/m³

LFL = 55,000 ppm v/v; 13.6 lb/Mcf; 215 g/m³

Highly Toxic or Toxic Under Code Classification = Neither

Table D-2 Data Classifications for Refrigerant Blends

Refrigerant Number = 457C

Composition (Mass %) = R-32/1234yf/152a (7.5/78.0/14.5)

Average Relative Molar Mass = 95.4 g/mol

Bubble Point (°F) = -35.1

Dew Point (°F) = -25.7

Bubble Point (°C) = -37.3

Dew Point (°C) = -32.1

Tracking number 40i47r1 et al
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 Revisions to 40i47r1, 245i29r1, and 350i68r1

Revision to NSF/ANSI 40-2020
 Issue 47 Revision 1 (May 2022)

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

NSF/ANSI Standard for Wastewater Treatment Systems –

Residential Wastewater Treatment Systems

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5.8 Failure sensing and signaling equipment

5.8.1 Visual alarm test

The audible portion of the alarm shall be disabled during the visual alarm test. The visual portion of the signal shall be conspicuous from a distance of ~~15 m (49 ft)~~ **15 ± 0.3 m (50 ± 1 ft)**. There shall be a minimum of five random on/off trials of the visual alarm. The observers shall turn their backs to the alarm panels such that they cannot see the visual portion of the alarm prior to each trial during the visual alarm test. The visual alarm shall be on for a minimum of one trial and off for a minimum of one trial during the test, but the on/off condition shall otherwise be selected randomly. Observers shall face the alarm panel when requested during the test. Compliance with these requirements is demonstrated only when all observers provide the correct answer for each trial.

5.8.2 Audible alarm test

The visual alarm shall be disabled during the audible alarm test. Observers shall have their backs to the alarm during the audible testing. The audible portion of the signal shall be discernible from a distance of ~~15 m (49 ft)~~ **15 ± 0.3 m (50 ± 1 ft)** with a minimum ambient noise level of 60 dbA. When the ambient noise level is less than 60 dbA, it shall be augmented with a steady tone between 100 and 1,000 Hz. The ambient noise level shall be measured at the location where the observers will be located. The audible alarm shall be activated a minimum of three times. The observers shall record the number of times the audible alarm was heard. Compliance with these requirements is demonstrated only when all observers record the correct number of times the alarm was activated. The audible portion of the alarm shall not exceed 90 dbA at a distance of 3 m (10 ft) when measured outdoors with both the alarm panel and sound level meter located at a minimum of 7.6 m (25 ft) from any permanent structure.

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Tracking number 40i47r1 et al
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 Revisions to 40i47r1, 245i29r1, and 350i68r1

Revision to NSF/ANSI 40-2020
 Issue 47 Revision 1 (May 2022)

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NSF/ANSI Standard
 for Wastewater Treatment Systems –

Residential Wastewater Treatment Systems – Nitrogen Reduction

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5.8 Failure sensing and signaling equipment

5.8.1 Visual alarm test

The audible portion of the alarm shall be disabled during the visual alarm test. The visual portion of the signal shall be conspicuous from a distance of ~~45.2 m (50 ft)~~ $15 \pm 0.3 \text{ m (50} \pm 1 \text{ ft)}$. There shall be a minimum of five random on/off trials of the visual alarm. The observers shall turn their backs to the alarm panels such that they cannot see the visual portion of the alarm prior to each trial during the visual alarm test. The visual alarm shall be on for a minimum of one trial and off for a minimum of one trial during the test, but the on/off condition shall otherwise be selected randomly. Observers shall face the alarm panel when requested during the test. Compliance with these requirements is demonstrated only when all observers provide the correct answer for each trial.

5.8.2 Audible alarm test

The visual alarm shall be disabled during the audible alarm test. Observers shall have their backs to the alarm during the audible testing. The audible portion of the signal shall be discernible from a distance of ~~45.2 m (50 ft)~~ $15 \pm 0.3 \text{ m (50} \pm 1 \text{ ft)}$ with a minimum ambient noise level of 60 dbA. When the ambient noise level is less than 60 dbA, it shall be augmented with a steady tone between 100 and 1,000 Hz. The ambient noise level shall be measured at the location where the observers will be located. The audible alarm shall be activated a minimum of three times. The observers shall record the number of times the audible alarm was heard. Compliance with these requirements is demonstrated only when all observers record the correct number of times the alarm was activated. The audible portion of the alarm shall not exceed 90 dbA at a distance of 3 m (10 ft) when measured outdoors with both the alarm panel and sound level meter located at a minimum of 7.6 m (25 ft) from any permanent structure.

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Tracking number 40i47r1 et al
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 Revisions to 40i47r1, 245i29r1, and 350i68r1

Revision to NSF/ANSI 40-2020
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NSF/ANSI Standard
 for Wastewater Treatment Systems –

Onsite Residential and Commercial Water Reuse Treatment Systems

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5.8 Failure sensing and signaling equipment

5.8.1 Visual alarm test

The audible portion of the alarm shall be disabled during the visual alarm test. The visual portion of the signal shall be conspicuous from a distance of ~~15 m (50 ft)~~ $15 \pm 0.3 \text{ m (} 50 \pm 1 \text{ ft)}$. There shall be a minimum of five random on/off trials of the visual alarm. The observers shall turn their backs to the alarm panels such that they cannot see the visual portion of the alarm prior to each trial during the visual alarm test. The visual alarm shall be on for a minimum of one trial and off for a minimum of one trial during the test, but the on/off condition shall otherwise be selected randomly. Observers shall face the alarm panel when requested during the test. Compliance with these requirements is demonstrated only when all observers provide the correct answer for each trial.

5.8.2 Audible alarm test

The visual alarm shall be disabled during the audible alarm test. Observers shall have their backs to the alarm during the audible testing. The audible portion of the signal shall be discernible from a distance of ~~15 m (50 ft)~~ $15 \pm 0.3 \text{ m (} 50 \pm 1 \text{ ft)}$ with a minimum ambient noise level of 60 dbA. When the ambient noise level is less than 60 dbA, it shall be augmented with a steady tone between 100 and 1000 Hz. The ambient noise level shall be measured at the location where the observers will be located. The audible alarm shall be activated a minimum of three times. The observers shall record the number of times the audible alarm was heard. Compliance with these requirements is demonstrated only when all observers record the correct number of times the alarm was activated. The audible portion of the alarm shall not exceed 90 dbA at a distance of 3 m (10 ft) when measured outdoors with both the alarm panel and sound level meter located at a minimum of 7.6 m (25 ft) from any permanent structure.

Rationale:

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NSF/ANSI Standard
for Dietary Supplements –

Dietary Supplements

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4 Labeling and literature requirements

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4.1 Caffeine

~~Supplements that contain or may contain any amount of added caffeine must declare the total amount of caffeine per serving on the label. Supplements containing 5 mg to 25 mg of naturally occurring caffeine must declare the presence of caffeine on the label. Supplements containing 25 mg or greater of naturally occurring caffeine must declare the total amount of caffeine per serving on the label. Supplements containing more than 5 mg of caffeine, whether naturally occurring or added, must declare the presence of caffeine on the label. Supplements containing any amount of added caffeine, including by intentional selective concentration of caffeine at the expense of other constituents from the source crude botanical, must declare the total amount of caffeine per serving on the label.~~

In addition, if the product contains caffeine at greater than 100 mg per serving, the following warnings (or equivalent) must be present on the label:

- do not use if sensitive to caffeine;
- not recommended for use by children under 18 years of age; and
- not recommended for use by pregnant or nursing women.

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Tracking number 350i69r1
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Revision to NSF/ANSI 350-2020
Issue 69, Revision 1 (May 2022)

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NSF/ANSI Standard
For Wastewater Technology –

Onsite Residential and Commercial Water Reuse Treatment Systems

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Foreword²

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Systems may include:

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— **residential wastewater treatment systems having a rated treatment capacity up to 5,678 L/d (1,500 gal/d)**: this applies to onsite residential treatment systems that treat combined wastewater generated by the occupants of residence(s). ~~A reuse system treating 1,514 L/d (400 gal/d) to 5,678 L/d (1,500 gal/d) shall either be demonstrated to have met the Class I requirements of NSF/ANSI 40, *Residential Wastewater Treatment Systems*, or shall meet these requirements during concurrent testing to this Standard. A treatment system treating less than 1,514 L/d (400 gal/d) shall not be required to have met the Class I requirements of NSF/ANSI 40.~~

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1 General

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1.2 Scope

This Standard contains minimum requirements for onsite residential and commercial water reuse treatment systems. Systems include the following:

— greywater treatment systems having a rated treatment capacity up to 5,678 L/d (1,500 gal/d). This applies to onsite residential and commercial treatment systems that treat greywater, those that

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treat laundry water from residential laundry facilities, and those that treat bathing water. See Section 8.1 for performance testing and evaluation;

— residential wastewater treatment systems having a rated treatment capacity up to 5,678 L/d (1,500 gal/d). This applies to onsite residential treatment systems that treat combined wastewater generated by the occupants of residence(s). ~~A reuse system treating 1,514 L/d (400 gal/d) to 5,678 L/d (1,500 gal/d) shall either be demonstrated to have met the Class I requirements of NSF/ANSI 40, or shall meet these requirements during concurrent testing to this Standard. A treatment system treating less than 1,514 L/d (400 gal/d) is not required to have met the Class I requirements of NSF/ANSI 40.~~ See Section 8.2 for performance testing and evaluation; or

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2 Normative references

The following documents contain requirements that, by reference in this text, constitute requirements of this Standard. At the time of publication, the indicated editions were valid. All of the documents are subject to revision and parties are encouraged to investigate the possibility of applying the most recent editions of the documents indicated below. The most recent published edition of the document shall be used for undated references.

ANSI/AWS D1.1/D1.1M:2010, *Structural Welding Code – Steel*^β

ANSI/AWS D1.3/D1.3M:2008, *Structural Welding Code – Sheet Steel*, 5th Edition, with Errata³

APHA/AWWA/WEF, *Standard Methods for the Examination of Water and Wastewater* (hereinafter referred to as Standard Methods)⁴

NFPA 70[®], *National Electrical Code*[®] (NEC[®]), 2011⁵

NSF/ANSI 40, *Residential Wastewater Treatment Systems*

ISO 12103-1, *Road Vehicles – Test Dust for Filter Evaluation*⁶

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NSF/ANSI Standard
for GMP for Cosmetics –

Good Manufacturing Practices for Cosmetics

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5 Audit process

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5.5.9 Classification of findings

The classification of findings is a function of the auditor’s judgment with respect to severity and risk. The findings are evaluated and classified into one of three levels of nonconformance and based on observations made and evidence collected during the audit.

The three levels of nonconformance are:

- **critical:** a nonconformance or condition which has produced or may lead to a significant risk of an unsafe or hazardous product which may be harmful and puts the consumer at risk of serious injury or death.
- **major:** a nonconformance other than critical that results in failure in one or more of the quality sub-systems; or a combination of “minor” nonconformances, none of which on their own may be major, but which may together represent a major nonconformance and shall be explained and reported as such. ~~Also, a nonconformance that has or may result in a product which does not comply with its marketing specifications or requirements; or which may result in failure or materially reduce the usability of the product for the intended purpose.~~
- **minor:** a nonconformance where an element of cGMP has not been fully met or does not adversely affect the performance, reliability, or use of a product; but on the basis of objective evidence does not meet the definition of a major nonconformance. Multiple minor nonconformances when considered collectively may raise the category to a major nonconformance.

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The following is only listed here as a reference and is not part of the ballot above.

NSF/ANSI Standard
for GMP for Dietary Supplements –

Good Manufacturing Practices for Dietary Supplements

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5 Audit process

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5.7 Nonconformances and corrective action

5.7.1 Company provides a corrective action plan for all findings

The company is responsible for generating a corrective action plan to address any nonconformances within ten business days of receipt the final audit report. If the Company requires additional time to complete the plan, the company shall request additional time of the CB. For each nonconformance, the applicant / auditee shall submit a corrective action plan together with timing for completion. ~~The company is to document the plan using the online corrective action reporting system in the format of the template presented in Appendix D.~~

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Draft PDS-02

BSR/RESNET/ICC 301-2022 Addendum A-202x, Renewable Energy Certificates and Infiltration Volume

Revise current and add new definitions as follows:

Infiltration Volume¹ – The sum of the ~~Conditioned Space Volume~~ following spaces of the subject Dwelling Unit.;

- The Conditioned Space Volume, excluding any Attics, basements, crawlspaces, and adjacent mechanical closets.
- ~~plus~~ The Conditioned Space Volume and Unconditioned Space Volume of the following adjacent spaces if included² during the airtightness measurement of the enclosure: Attics, crawlspaces and the full depth of their floor assemblies above, basements and the full depth of their floor assemblies above, and adjacent mechanical closets and the full width of their wall assemblies between them and the subject Dwelling Unit.

On-Site Power Production (OPP) – Electric power produced on the site of a Rated Home. OPP shall be the net electrical power production such that it equals the gross electrical power production minus any purchased fossil fuel energy used to produce the on-site power, converted to equivalent electric energy use at a 40-percent conversion efficiency in accordance with Equation 4.1-3 of this Standard.

Renewable Energy Certificate (REC): a market-based instrument that represents and conveys the environmental, social, and other non-power attributes of one megawatt-hour of renewable electricity generation.

Renewable Energy System – Means of producing thermal energy or producing electric power that rely on naturally occurring, on-site resources that are not depleted as a result of their use. Renewable Energy Systems shall include, but are not limited to, solar energy systems, wind energy systems and biomass energy systems.

Add CSV to list of acronyms:

3.3 Acronyms

CFA – Conditioned Floor Area

CSV – Conditioned Space Volume

CFIS – Central Fan Integrated Supply

¹(Informative Note) Informative Annex A of Standard ANSI/RESNET/ICC 380 contains a table that summarizes parts of a Dwelling Unit that are included in Infiltration Volume.

² (Informative Note) Sections **Error! Reference source not found., Error! Reference source not found., Error! Reference source not found.,** and **Error! Reference source not found.** of Standard ANSI/RESNET/ICC 380 define whether these adjacent spaces are to be included in Infiltration Volume.

Modify the Thermal Distribution Systems row of Table 4.2.2 (1) as follows:

Table 4.2.2(1) Specifications for the Energy Rating Reference and Rated Homes

<p>Thermal distribution systems</p>	<p>Thermal Distribution System Efficiency (DSE) of 0.80 shall be applied to both the heating and cooling system efficiencies.</p>	<p>Forced air distribution systems duct leakage to outside tests^{w,x,y,z,yy} shall be conducted and documented by an Approved Tester in accordance with requirements of Standard ANSI/RESNET/ICC 380 with the air handler installed, and the energy impacts calculated with the ducts located and insulated as in the Rated Home.</p> <p>Forced air distribution systems duct area shall be the same as the Rated Home^{aa}.</p> <p>For ductless distribution systems or distribution systems in CSV with the supply-side having a total length that does not exceed 10 ft., inclusive of both ductwork and building cavities used for distribution: DSE=1.00</p> <p>For hydronic distribution systems: DSE=1.00</p>
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Modify table note h. for Table 4.2.2(1) as follows:

- h. Either hourly calculations using the following equation³ or calculations yielding equivalent results shall be used to determine the combined air exchange rate resulting from Infiltration in combination with Dwelling Unit Mechanical Ventilation Systems.

~~$$Q_i = Q_{fan,i} + \Phi Q_{inf,i}$$~~

$$Q_i = Q_{fan,max,i} + \Phi (Q_{inf,i})^2 / (Q_{inf,i} + Q_{imb,i})$$

where:

~~Φ = 1 for Balanced Ventilation Systems and otherwise~~

~~Φ = $Q_{inf,i} / (Q_{inf,i} + Q_{fan,i})$~~

~~Q_i = combined air exchange rate for the time step 'i', cfm~~

~~$Q_{fan,max,i}$ = MAX($Q_{fan, sup}$, $Q_{fan, exh}$) for the time step 'i', cfm~~

~~$Q_{fan,sup,i}$ = supply fan air flow rate for time step 'i', cfm~~

~~$Q_{fan,exh,i}$ = exhaust fan air flow rate for time step 'i', cfm~~

~~$Q_{inf,i}$ = Infiltration airflow rate for the time step 'i', cfm calculated using Shelter Class 4~~

~~$Q_{imb,i}$ = ABS($Q_{fan, sup}$ - $Q_{fan, exh}$) for time step 'i', cfm~~

~~$Q_{fan,i}$ = mechanical Ventilation airflow rate for the time step 'i', cfm~~

Modify row 26 of Table 4.5.2 as follows:

Table 4.5.2(1) Minimum Rated Features	
Building Element	Minimum Rated Feature
26. On-site Power Production	System type, total annual kWh generation, <u>Renewable Energy Certificates (RECs) status [retired, retained ownership, sold/transferred, none associated with system, unknown]</u> , and total site fuel used in the On-Site Power Production as derived from manufacturer's performance ratings.

³ (Informative Note) Equation taken from ASHRAE Standard 62.2-2016, Normative Appendix C, equations (C7) and (C8).

Modify the Appendix B table as follows:

Building Element: On-Site Power Production		
Rated Feature	Task	On-Site Inspection Protocol
Annual electricity generation for On- Site Power Production (OPP) systems	Data collection for On-Site Power Production systems	<p><i>On-Site Power Production systems</i> – Collect documentation that shows the annual kWh/y generated. For combined heat and power systems, the documentation shall include the annual gas use in addition to kWh/y generated.</p> <p><u><i>Renewable Energy Systems</i></u> – Collect documentation or other information to determine whether Renewable Energy Certificates (RECs) are associated with the system, and document the RECs status as retired, retained ownership, sold/transferred, none associated with system, unknown.</p> <p><i>Photovoltaic Systems</i> – In situations where the Approved Software Rating Tool calculates electricity generation from photovoltaic systems, determine and record the following:</p> <ul style="list-style-type: none"> • the orientation of the photovoltaic array to the nearest cardinal/ordinal point, in the direction the array faces; • the tilt of the array. Use an angle finder instrument or geometric calculation; • the area of the array and the peak power using the information on the SRCC label or manufacturer’s data sheet; and • the efficiency of the inverter using the manufacturer’s data sheet.

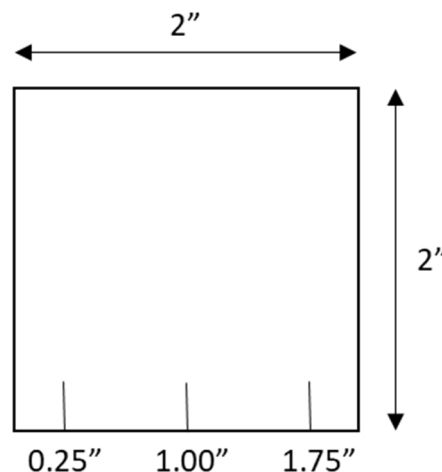
BSR/UL 1978, Grease Ducts**1. Additions to UL 1978****PROPOSAL****21A Fiber Woven Grease Gasket Compression and Tensile Tests and FTIR Analysis****21A.1 General**

21A.1.1 Section 21A requirements are specifically applicable to fiber woven material used as gaskets in grease duct assemblies. The testing methods described and defined in this section are in lieu of Section 21, Tensile Strength, Elongation, and Change in Volume Tests of Gaskets and Seals.

21A.2 Compression Test

21A.2.1 The following compression test is derived from ASTM D3574, Standard Test Methods for Flexible Cellular Materials – Slab, Bonded, and Molded Urethane Foams, Test D. For the compression test, cleanly cut square samples 2 inch x 2 inch (50 mm x 50 mm). If the height of the samples is not equal to 1 inch (25 mm), samples are to be stacked to a height of approximately 1 inch (25 mm). Using a metal ruler, align the ruler with the flat top of the stack of samples and place a mark at 0.25 inch (6.35 mm), 1 inch (25 mm), and 1.75 inch (44.45 mm) with a 0.5 mm ball point pen as shown in Figure 21A.1. Using calipers, measure and record the sample thickness at these points. The thickness should be approximately 1 inch (25 mm). The average of the three thickness measurements is considered the sample thickness.

Figure 21A.1
Compression Test Sample



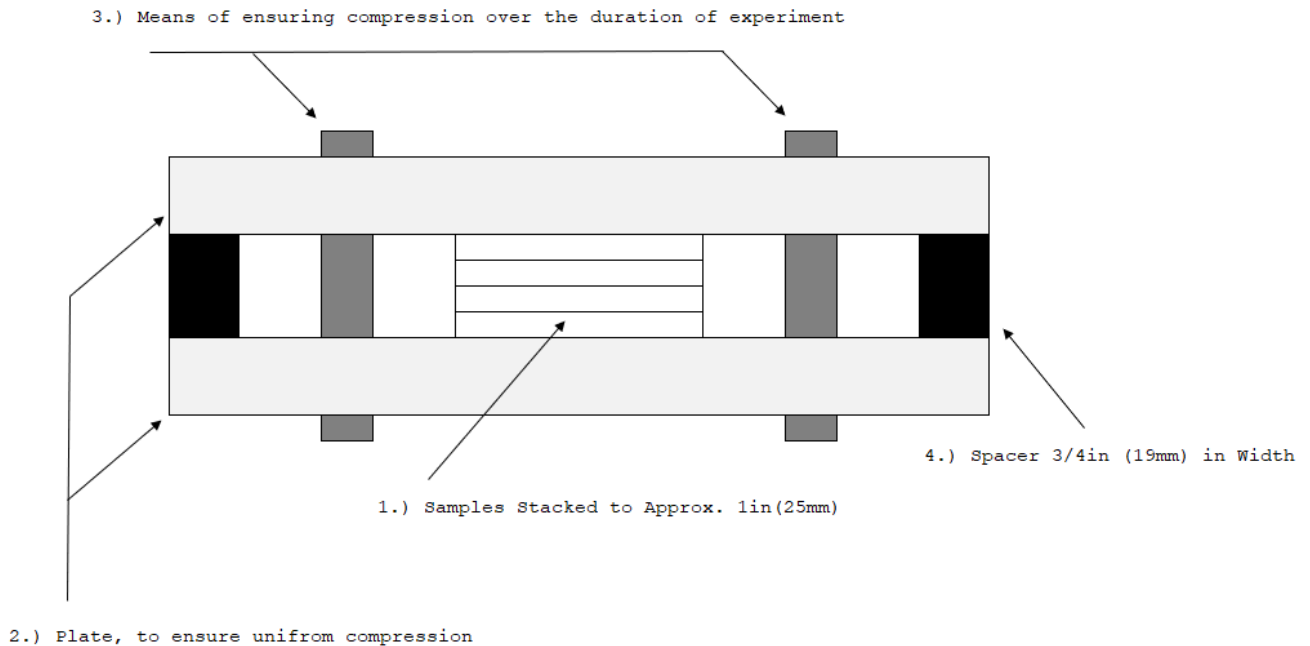
21A.2.2 After measured, place the stack of samples in a compression device (i.e., a vice, clamp, or any other means of compressing the material) with a 3/4 inch (19 mm) spacer and compress to 3/4 inch (19 mm). The spacer limits the travel of the compression device ensuring accurate and repeatable results. An example of the compression device is displayed in Figure 21A.2. Once compressed, place the compression device in the environmental chamber at 277°F (136°C) for 24 hours. After 24 hours, remove the compression device, take the samples out of the device, and allow 30 minutes to cool. Using calipers, measure and record the height of the samples at the same locations as previously recorded. Calculate the gasket rebound using the equation below:

$$\text{Rebound} = [(H_o - H_f)/H_o] \times 100$$

Where: H_o = Initial Height; H_f = Final height

The rebound is the percent change in the height of the sample relative to the initial height.

Figure 21A.2
Compression Test Example Testing Jig



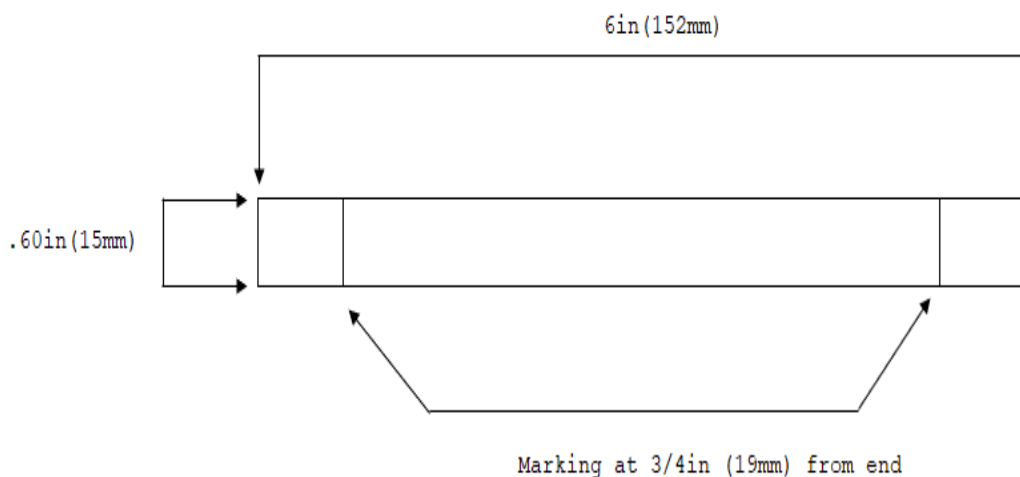
21A.2.3 To determine the ability of the material to withstand the introduction of cooking oil, place the immersed samples in an air oven at a temperature of 277 ±1.8°F (136 ±1.8°C) for 24 hours. After the 24 hours, remove the samples from the oil and let dry for 2 hours. After dried, perform the same test on the samples described in 21A.2.1.

21A.2.4 The rebound percentage of the non-oil-soaked sample shall be in the range of 0% to 5%. The rebound percentage of the oil-soaked sample shall be in the range of 0% and 10%.

21A.3 Tensile Test

21A.3.1 Tensile testing shall be performed in accordance with the ASTM D412, Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomer – Tension, following the exemption in 11.2 for Straight Specimens. Cut ten straight samples without blemish or inconsistency. The dimensions of the gasket samples are listed below in Figure 21A.3. Make two marks 3/4 inch (19 mm) from each end of the gasket. This marking indicates the necessary depth or insertion point of the gasket into the retaining grips. Using a micrometer or equivalent measurement device accurate to the nearest thousandth as specified in ASTM D3767, Standard Practice for Rubber – Measurement of Dimensions, average three thickness and width measurements from approximately the middle of the sample. Calculate the average cross-sectional area. The ultimate force is the maximum force exerted on the sample right before breakage. Use this load to determine ultimate tensile strength by dividing by the cross-sectional area.

Figure 21A.3
Tensile Test Sample



21A.3.2 Conduct a conditioned tensile test on the samples on ten samples soaked in oil. Immerse the specimens such that they do not touch each other or the side of the container. Place the immersed samples in an air oven at a temperature of $277 \pm 1.8^\circ\text{F}$ ($136 \pm 1.8^\circ\text{C}$) for 24 hours. Remove the samples and let dry for 2 hours following the procedure. Once dried, test the specimens using the same testing method defined in 21A.3.1.

21A.3.3 Calculate the ultimate tensile strength for each sample using the following equation:

$$S_T = L/A$$

Where: S_T = Ultimate Tensile Strength; L = measured load; A = cross-sectional area

21A.3.4 Average the ultimate tensile strengths of the non-oil-soaked and oil-soaked samples. The average ultimate tensile strength of the oil-soaked samples shall be not less than 10% of the average non-oil-soaked samples. Additionally, the test may be subjectively determined to fail if the oil-soaked samples exhibit obvious delamination or disintegration during this test.

21A.4 Qualitative Infrared Analysis by FTIR

21A.4.1 To ensure consistent chemical makeup of the gasket, an FTIR analysis is to be conducted on the specimen. An FTIR analysis will be conducted upon initial qualification of the material as well as during subsequent follow-up service testing. The testing will be in accordance with UL 746A, Standard for Polymeric Materials - Short Term Property Evaluations. Temperature and relative humidity readings must be documented prior to running the scan. 1-inch square samples will be cut from clean stock and placed in a sealable bag as to not contaminate the sample during shipment. Sampling conditions should remain consistent on all follow-up services. The basis of acceptability is confirmed when the spectrum obtained correlates with the spectrum on file from the initial investigation.

21A.4.2 Subsequent tests will confirm the gasket has not changed since initial qualification.

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BSR/UL 2442, Standard for Wall- and Ceiling-Mounts and Accessories

1. Proposed Revision Of And Addition Of Requirements To Allow For Mounts Or Lifts To Descend Lower Than 8 Feet Above The Floor When The Equipment Is Provided With Interlock Controls That Comply With New Interlock Construction Requirements

PROPOSAL

51.1.3 An entrapment guard or enclosure is not required for a ceiling-mount or apparatus lifts that when lowered, its lowest point is 8 ft (2.44 m) or more above the floor. The device shall be marked as specified in [74.3](#) and the instructions shall contain the Warning and information specified in [79.2](#) and [79.3](#).

Exception: This requirement does apply to mounts provided with an interlocked control that complies with the requirements in Section 51A, Interlocked Control For Motor-Operated Articulating Mounts.

51A Interlocked Control For Motor-Operated Articulating Mounts

51A.1 A motor-operated ceiling-mounted video projector or screen mount which may descend to a height lower than 8 ft (2.44 m) above the floor shall be designed so that it can only be actuated by a trained operator, and is considered to comply with Mechanical Enclosures and Guards, Section 51.1, when the mount complies with all of the following conditions:

a) A mounting device control that is accessible to the public when the trained operator is not present shall be provided with a security lockout device that disables operation of the equipment to prevent non-qualified persons from operating the equipment;

1) A trained operator is considered present when they are within sight of the mount.

2) The lockout device may be a passcode, proximity sensor that requires a unique sensor to activate (such as RFID), a physical key, a two-step process (such as pressing 2 keys in the correct order, or other means that would prevent an untrained person from operating the equipment.

3) Where multiple mounts are located within the same space and a proximity activation device is used as the access to allow movement of the equipment, each mounting device shall have a separate code or equivalent restriction to allow movement of only the intended furnishing within the specified proximity.

4) A lockout (electronic or mechanical) system shall automatically reset and lockout the movement of the equipment after a maximum of 2 minutes of inactivity. Inactivity is when the operator is no longer present.

b) Any point or part of the mounting device that is considered to present risk of an entrapment or personal injury shall be visible to the operator such that they

can determine the proximity of an individual to the entrapment area when positioned at the operator controls while performing the intended function;

c) Where the operation of the exposed movable part of the mounting device is controlled by a switch, the switch shall be a momentary contact type that when released all moving parts of the device that constitute a risk of entrapment or personal injury are stopped;

d) A switch that controls the direction of travel of the mounting device shall be capable of being stopped and the direction of travel reversed at any point in the operation of the device;

e) Upon power failure the mounting device shall remain in the existing position. Upon reinstatement of power, the mounting device shall not move until the operator activates the switch controlling movement.

51A.2 A product that complies with 51A.1 shall be provided with installation and operation instructions in accordance with Mounting Instructions, Section 79, and Operating Instructions, Section 80.

79.4 The mounting instructions for a motor-operated ceiling mount or apparatus that may descend to a height less than 8 ft (2.44 m) above the floor shall contain the following or equivalent statement following the word "WARNING", "Actuating controls for devices which may descend to a height less than 8 ft (2.44 m) above the floor shall be of an access-restricted (e.g. locking, interlocked, etc) type to prevent operation by unauthorized persons. The actuating controls shall be located within sight of the device.

80.8 The operating instructions for a motor-operated ceiling mount or apparatus that may descend to a height less than 8 ft (2.44 m) above the floor shall contain the following or equivalent statement following the word "WARNING", "To prevent risk of injury, verify that no person is