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Project Initiation Notification System (PINS)

Section 2.5.1 of the ANSI Essential Requirements (www.ansi.org/essentialrequirements) describes the Project Initiation Notification System (PINS) and includes requirements associated with a PINS Deliberation. Following is a list of PINS notices submitted for publication in this issue of ANSI Standards Action by ANSI-Accredited Standards Developers (ASDs). Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for information about American National Standards (ANS) maintained under the continuous maintenance option, as a PINS to initiate a revision of such standards is not required. 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 interested parties wishing to receive more information or to submit comments are to contact the sponsoring ANSI-Accredited Standards Developer directly **within 30 calendar days** of the publication of this PINS announcement.

ASABE (American Society of Agricultural and Biological Engineers)

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Revision

BSR/ASAE S319.5 MONYEAR-202x, Method of Determining and Expressing Fineness of Feed Materials by Sieving (revision and redesignation of ANSI/ASAE S319.4-2008 (R2022))

Stakeholders: Engineers, grain scientists, millers, feed manufacturers.

Project Need: Correct a typo in section 4.4 to match the units shown in Table 1 (specifically, 300 mm should be $300 \ \mu m$).

Interest Categories: Academia, Extension, General Interest, Government, Producer, Research.

Scope: The purpose of this Standard is to define a test procedure to determine the fineness of feed ingredients and to define a method of expressing the particle size of the material. Surface area and number of particles per unit mass can be calculated from the determined particle size.

B11 (B11 Standards, Inc.)

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Revision

BSR/B11.26-202x, Functional Safety for Equipment (Electrical/Fluid Power Control Systems) General Principles for the Design of Safety Control Systems Using ISO 13849-1 (revision of ANSI B11.26-2018) Stakeholders: Machine manufacturers, machine users, control system engineers, functional safety specialists, and integrators.

Project Need: Update to current approaches and technology relevant to safety of machinery.

Interest Categories: Manufacturer, User, Professional Society, Industrial/Commercial, Distributor/Retail, and integrator.

Scope: This standard provides both requirements and guidance for the implementation of safety-related control functions (functional safety) as they relate to electrical, electronic, pneumatic, hydraulic, and mechanical components of control systems. Informative Note 1: This document includes a large number of detailed schematic circuit diagrams that are provided as EXAMPLE circuits only, representing common solutions in use at the time of creating this document. It is important to understand that there are many ways to fulfil a given engineering requirement and the examples only present one option. These examples are not normative, nor intended to limit innovation or the advancement of technology. Informative Note 2: This document references ISO 13849-2 – Validation as part of an annex. Informative Note 3: This document is not intended to address the programming or software of programmable electronic systems/programmable electronic devices (PES/PED). See ANSI B11.TR4. Informative Note 4: See also, clause 4 on "How to use this standard."

CTA (Consumer Technology Association)

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New Standard

BSR/CTA 708-E S-202x Errata, Digital Television (DTV) Closed Captioning Errata (new standard) Stakeholders: Consumers, manufacturers, and retailers.

Project Need: The project is to create an Errata to ANSI/CTA 708-E S-2023 that addressed corrections in Section 8.10.5.9, Set Pen Attributes - (SPA).

Interest Categories: General Interest, User, and Producer.

Scope: This project is to create an Errata to ANSI/CTA-708-E S-2023 that addresses corrections in Section 8.10.5.9 Set Pen Attributes - (SPA). 1) Correction to SetPenAttributes Example "pen size" and "font size".

HI (Hydraulic Institute)

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Revision

BSR/HI 7.6-202x, Controlled-Volume Metering Pumps for Test (revision of ANSI/HI 7.6-2018) Stakeholders: Controlled-Volume Metering pumps are commonly found in industry segments including chemical, petroleum, slurry, water and wastewater, residential, and electric power. Pump manufacturers, specifying engineers, consultants, and pump end users in these industries.

Project Need: Hydraulic Institute is reviewing this existing standard per the agreed to 5-year cycle.

Interest Categories: Pump manufacturers, pump system end users, engineering design firms, pump system component manufacturers.

Scope: This standard provides detailed procedures for controlled-volume metering pump performance testing. Users of the standard will understand what type of testing is required for a controlled-volume metering pump and if the manufacturer has conducted specific tests to demonstrate the pumps' ability to perform satisfactorily, both mechanically and hydraulically.

HPS (ASC N13) (Health Physics Society)

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Revision

BSR/HPS N13.39-202x, Design of Internal Dosimetry Programs (revision and redesignation of ANSI N13.39-2001 (R2011))

Stakeholders: Industry, government, medical and environmental.

Project Need: The standard was administratively withdrawn September 2022. However, since it is referenced in other standards, it should be updated consistent with current guidances, and the more recent editions of ANSI/HPS N13.30-2011 and ANSI/HPS N13.6-2010 should be applied.

Interest Categories: HPS N13 Standard Committee- government or regulatory agency (7), professional society (9), trade association or labor union (7), technical expert (9) for a total of 32 committee members.

Scope: The standard was developed to provide uniform and consistent guidance on programmatic issues that are universally applicable to all radionuclides and all occupational intake pathways. The standard contains the essential elements of the internal dosimetry component of a radiation protection program.

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National Adoption

INCITS/ISO/IEC 11179-30:2023 [202x], Information technology - Metadata registries (MDR) - Part 30: Basic attributes of metadata (identical national adoption of ISO/IEC 11179-30:2023) 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 "basic attributes" which are required to describe metadata in situations where a complete ISO/IEC 11179-3 metadata registry is not appropriate (e.g. in the specification of other International Standards).

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

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National Adoption

INCITS/ISO/IEC 11179-31:2023 [202x], Information technology - Metadata registries (MDR) - Part 31: Metamodel for data specification registration (identical national adoption of ISO/IEC 11179-31:2023) 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 specification for an extension to a Metadata Registry (MDR), as specified in ISO/IEC 11179-3, in which metadata that describes data elements and associated concepts, such as "data element concepts", "conceptual domains" and "value domains" can be registered.

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

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National Adoption

INCITS/ISO/IEC 11179-32:2023 [202x], Information technology - Metadata registries (MDR) - Part 32: Metamodel for concept system registration (identical national adoption of ISO/IEC 11179-32:2023) 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 specification for an extension to a metadata registry (MDR), as specified in ISO/IEC 11179 -3:2023, in which metadata that describes concept systems can be registered. The specification in this document, together with the relevant clauses of the specification in ISO/IEC 11179-3, provides the ability to record the following metadata: concept systems and associated concepts; relations among concepts in a concept system; assertions about concepts in a concept system.

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National Adoption

INCITS/ISO/IEC 11179-33:2023 [202x], Information technology - Metadata registries (MDR) - Part 33: Metamodel for data set registration (identical national adoption of ISO/IEC 11179-33:2023) 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 specification for an extension to a Metadata Registry (MDR), as specified in ISO/IEC 11179-3 in which metadata which describes data sets, collections of data available for access or download in one or more formats, can be registered. Since a set can contain a single element, this document enables the recording of metadata about a single data value.

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

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National Adoption

INCITS/ISO/IEC 11770-7:2021 [202x], Information security - Key management - Part 7: Cross-domain passwordbased authenticated key exchange (identical national adoption of ISO/IEC 11770-7:2021) 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: Specifies mechanisms for cross-domain password-based authenticated key exchange, all of which are four-party password-based authenticated key exchange (4PAKE) protocols. Such protocols let two communicating entities establish a shared session key using just the login passwords that they share with their respective domain authentication servers. The authentication servers, assumed to be part of a standard public key infrastructure (PKI), act as ephemeral certification authorities (CAs) that certify key materials that the users can subsequently use to exchange and agree on as a session key.

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

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National Adoption

INCITS/ISO/IEC 15408-4:2022 [202x], Information security, cybersecurity and privacy protection -Evaluation criteria for IT security - Part 4: Framework for the specification of evaluation methods and activities (identical national adoption of ISO/IEC 15408-4:2022)

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 standardized framework for specifying objective, repeatable and reproducible evaluation methods and evaluation activities. This document does not specify how to evaluate, adopt, or maintain evaluation methods and evaluation activities. These aspects are a matter for those originating the evaluation methods and evaluation activities in their particular area of interest.

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National Adoption

INCITS/ISO/IEC 15408-5:2022 [202x], Information security, cybersecurity and privacy protection - Evaluation criteria for IT security - Part 5: Pre-defined packages of security requirements (identical national adoption of ISO/IEC 15408-5:2022)

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 packages of security assurance and security functional requirements that have been identified as useful in support of common usage by stakeholders.

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

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National Adoption

INCITS/ISO/IEC 23090-3:2022 [202x], Information technology - Coded representation of immersive media - Part 3: Versatile video coding (identical national adoption of ISO/IEC 23090-3:2022)

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 video coding technology known as versatile video coding (VVC), comprising a video coding technology with a compression capability that is substantially beyond that of the prior generations of such standards and with sufficient versatility for effective use in a broad range of applications.

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

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National Adoption

INCITS/ISO/IEC 23090-6:2021 [202x], Information technology - Coded representation of immersive media - Part 6: Immersive media metrics (identical national adoption of ISO/IEC 23090-6:2021) 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: Specifies immersive media metrics and the measurement framework. The immersive media metrics can be collected by service providers and used to enhance the immersive media quality and experiences. This document also includes a client reference model with observation and measurement points for collection of the metrics.

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National Adoption

INCITS/ISO/IEC 23090-7:2022 [202x], Information technology - Coded representation of immersive media - Part 7: Immersive media metadata (identical national adoption of ISO/IEC 23090-7:2022)

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 common immersive media metadata focusing on immersive videos (including 360° videos) and images.

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

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National Adoption

INCITS/ISO/IEC 23090-10:2022 [202x], Information technology - Coded representation of immersive media - Part 10: Carriage of visual volumetric video-based coding data (identical national adoption of ISO/IEC 23090 -10:2022)

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 carriage of coded media representations which comply with visual volumetric video-based coding and video-based point cloud compression (specified in ISO/IEC 23090-5).

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

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National Adoption

INCITS/ISO/IEC 27553-1:2022 [202x], Information security, cybersecurity and privacy protection - Security and privacy requirements for authentication using biometrics on mobile devices - Part 1: Local modes (identical national adoption of ISO/IEC 27553-1:2022)

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 high-level security and privacy requirements and recommendations for authentication using biometrics on mobile devices, including security and privacy requirements and recommendations for functional components and for communication. This document is applicable to the cases that the biometric data and derived biometric data do not leave the device, i.e. local modes.

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National Adoption

INCITS/ISO/IEC 29192-8:2022 [202x], Information security - Lightweight cryptography - Part 8: Authenticated encryption (identical national adoption of ISO/IEC 29192-8:2022) 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 one method for authenticated encryption suitable for applications requiring lightweight cryptographic mechanisms. This method processes a data string with the following security objectives: a) data confidentiality, i.e. protection against unauthorized disclosure of data, b) data integrity, i.e. protection that enables the recipient of data to verify that it has not been modified. Optionally, this method can provide data origin authentication, i.e. protection that enables the recipient of data to verify the identity of the data originator.

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

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National Adoption

INCITS/ISO/IEC 17922:2017 [202x], Information technology - Security techniques - Telebiometric authentication framework using biometric hardware security module (identical national adoption of ISO/IEC 17922:2017) 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: To prove ownership of an ITU-T X.509 certificate registered individually with the registration authority (RA), a biometric hardware security module has been considered to provide a high-level biometric authentication. ISO/IEC 17922:2017 provides a framework for telebiometric authentication using BHSM.

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

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National Adoption

INCITS/ISO/IEC 22989:2022 [202x], Information technology - Artificial intelligence - Artificial intelligence concepts and terminology (identical national adoption of ISO/IEC 22989:2022) 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: Establishes terminology for AI and describes concepts in the field of AI. This document can be used in the development of other standards and in support of communications among diverse, interested parties or stakeholders. This document is applicable to all types of organizations (e.g. commercial enterprises, government agencies, not-for-profit organizations).

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National Adoption

INCITS/ISO/IEC 23894:2023 [202x], Information technology - Artificial intelligence - Guidance on risk management (identical national adoption of ISO/IEC 23894:2023) 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 organizations that develop, produce, deploy or use products, systems and services that utilize artificial intelligence (AI) can manage risk specifically related to AI. The guidance also aims to assist organizations to integrate risk management into their AI-related activities and functions. It moreover describes processes for the effective implementation and integration of AI risk management. The application of this guidance can be customized to any organization and its context.

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

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National Adoption

INCITS/ISO/IEC 24668:2022 [202x], Information technology - Artificial intelligence - Process management framework for big data analytics (identical national adoption of ISO/IEC 24668:2022) 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 framework for developing processes to effectively leverage big data analytics across the organization irrespective of the industries or sectors.

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

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National Adoption

INCITS/ISO/IEC 27556:2022 [202x], Information security, cybersecurity and privacy protection - User-centric privacy preferences management framework (identical national adoption of ISO/IEC 27556:2022) 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 user-centric framework for handling personally identifiable information (PII), based on privacy preferences.

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National Adoption

INCITS/ISO/IEC 27557:2022 [202x], Information security, cybersecurity and privacy protection - Application of ISO 31000:2018 for organizational privacy risk management (identical national adoption of ISO/IEC 27557:2022)

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 guidelines for organizational privacy risk management, extended from ISO 31000:2018. This document provides guidance to organizations for integrating risks related to the processing of personally identifiable information (PII) as part of an organizational privacy risk management programme. It distinguishes between the impact that processing PII can have on an individual with consequences for organizations (e.g. reputational damage).

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

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National Adoption

INCITS/ISO/IEC 27559:2022 [202x], Information security, cybersecurity and privacy protection - Privacy enhancing data de-identification framework (identical national adoption of ISO/IEC 27559:2022) 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 framework for identifying and mitigating re-identification risks and risks associated with the lifecycle of de-identified data. This document is applicable to all types and sizes of organizations, including public and private companies, government entities, and not-for-profit organizations, that are PII controllers or PII processors acting on a controller's behalf, implementing data de-identification processes for privacy enhancing purposes.

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

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National Adoption

INCITS/ISO/IEC 10116:2017/AM1:2021 [202x], Information technology - Security techniques - Modes of operation for an n-bit block cipher - Amendment 1: CTR-ACPKM mode of operation (identical national adoption of ISO/IEC 10116:2017/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 10116:2017.

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National Adoption

INCITS/ISO/IEC 29146:2016/AM1:2022 [202x], Information technology - Security techniques - A framework for access management - Amendment 1 (identical national adoption of ISO/IEC 29146:2016/AM1:2022) 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 29146:2016.

NAAMM (National Association of Architectural Metal Manufacturers)

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Revision

BSR/NAAMM HMMA 840-202x, Guide Specifications for Receipt, Storage and Installation of Hollow Metal Doors and Frames (revision of ANSI/NAAMM HMMA 840-2017)

Stakeholders: Hollow metal manufacturers, engineers, architects, government agencies, building owners.

Project Need: The purpose of this guide specification is to describe the essential requirements for the receipt, storage, handling, and installation of hollow metal door and frame products. Proper storage and installation is as important as the quality of the manufacturing of these products.

Interest Categories: Producers: An individual or entity that manufactures architectural metal products. Users: Both individuals and representatives of organized groups that purchase, use, or specify architectural metal products. General Interest: This category includes, but is not limited to, inspectors, technical societies, regulatory agencies (state and federal), researchers, and educators.

Scope: This standard provides guide specifications for the receipt, storage and installation of hollow metal doors and door frames. There has been content identified that is in conflict with the commercial terms and conditions of the ANSI Essential Requirements. The intent of this revision is to strike those section or sections to bring the standard into compliance with the ANSI Essential Requirements.

NAAMM (National Association of Architectural Metal Manufacturers)

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Revision

BSR/NAAMM MBG 531-202x, Metal Bar Grating Manual (revision of ANSI/NAAMM MBG 531-2017) Stakeholders: Engineers, architects, manufacturers, building owners, municipalities.

Project Need: The NAAMM Metal Bar Grating Manual provides architects and engineers with current technical data on bar gratings and stair treads of steel, stainless steel, and aluminum. The information contained is based on sound engineering principles and reflects practices recommended by leading manufacturers in the industry. The Metal Bar Grating Division of NAAMM reviews its contents in detail during each revision or reaffirmation project and makes revisions to reflect current practices.

Interest Categories: Producers: An individual or entity that manufactures architectural metal products. Users: Both individuals and representatives of organized groups that purchase, use, or specify architectural metal products. General Interest: This category includes, but is not limited to, inspectors, technical societies, regulatory agencies (state and federal), researchers, and educators.

Scope: The NAAMM Metal Bar Grating Manual provides architects and engineers with current technical data on bar gratings and stair treads of steel, stainless steel, and aluminum. There has been content identified that is in conflict with the commercial terms and conditions of the ANSI Essential Requirements. The intent of this revision is to strike those section or sections to bring the standard into compliance with the ANSI Essential Requirements.

NAAMM (National Association of Architectural Metal Manufacturers)

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Revision

BSR/NAAMM MBG 532-202x, Heavy Duty Metal Bar Grating Manual (revision of ANSI/NAAMM MBG 532-2019) Stakeholders: Engineers, architects, manufacturers, building owners, municipalities.

Project Need: The NAAMM Heavy Duty Metal Bar Grating Manual provides architects and engineers with current technical data on heavy duty bar gratings of structural carbon steel and stainless steel. The information is concerned primarily with bar gratings capable of supporting heavy loads.

Interest Categories: Producers: An individual or entity that manufactures architectural metal products. Users: Both individuals and representatives of organized groups that purchase, use, or specify architectural metal products. General Interest: This category includes, but is not limited to, inspectors, technical societies, regulatory agencies (state and federal), researchers, and educators.

Scope: The NAAMM Heavy Duty Metal Bar Grating Manual provides architects and engineers with current technical data on heavy duty bar gratings of structural carbon steel and stainless steel. There has been content identified that is in conflict with the commercial terms and conditions of the ANSI Essential Requirements. The intent of this revision is to strike those section or sections to bring the standard into compliance with the ANSI Essential Requirements.

NEMTAC (Non-Emergency Medical Transportation Accreditation Commission)

Peter Hicks <phicks@nemtac.co> | 4381 N. 75th Street, Suite 201 | Scottsdale, AZ 85251 www.nemtac.org

New Standard

BSR/NEMTAC 1001-202x, Non-Emergency Medical Transportation Levels of Service (new standard) Stakeholders: Non-emergency medical transportation providers, stretcher transport services, wheelchair van transportation services, passengers/consumers, discharge planners, social workers, doctors, home healthcare providers, insurance plans, non-emergency medical transportation brokers, taxi services, transportation network companies.

Project Need: Across the non-emergency medical transportation industry, the terminology "Curb to Curb" is recognized as a service which picks up a passenger at the curb of the point of origin and delivers them to the curb of their destination. When the passenger requires additional services, such as assistance in or out of the vehicle, navigating to or through the entry of destination, or ensuring the passenger is transported from one caregiver to another caregiver due to their condition. This standard will allow for common language and understanding between the parties involved to ensure the proper services may be requested, provided, and charged for as a service.

Interest Categories: The consensus body created by NEMTAC includes: non-emergency medical transportation providers, stretcher transport services, wheelchair van transportation services, passengers/consumers, insurance plans, non-emergency medical transportation brokers, taxi services.

Scope: NEMTAC has identified the various levels of services required by passengers. In providing these levels of services the assistances provided is commensurate with the needs of the passenger or as defined under contract. This standard will designate the different levels of service available to be provided to passengers receiving non-emergency medical transportation (NEMT) services by a transportation provider company or organization. This standard will allow transportation providers to clearly identify in plain language the services they provide and allow the healthcare provider to request the appropriate level of service for the individual being transported.

NENA (National Emergency Number Association)

Sandy Dyre <crm@nena.org> | 1700 Diagonal Road Suite 500, Suite 500 | Alexandria, VA 22314 www.nena.org

New Standard

BSR/NENA STA-040.2-202x, NENA Security for Next Generation 9-1-1 Standard (NG-SEC) (new standard) Stakeholders: 9-1-1 Authorities, Public Safety Answering Points (PSAPs), Emergency Communications Centers (ECCs), NG9-1-1 ESInet Providers, NG9-1-1 Core Services Functional Element Providers, Telecommunications Service Providers, NG9-1-1 vendors.

Project Need: Establish the minimal guidelines and requirements for the protection of NG9-1-1 assets or elements within a changing business environment.

Interest Categories: Users, Producers, General Interests.

Scope: The document will highlight a framework to assist 9-1-1 authorities in developing a robust cybersecurity plan and is expected to help build and strengthen cybersecurity programs by focusing on NG9-1-1 security through policy management, security and risk management and operations, data security and operations. It will identify the basic requirements, standards, procedures, or practices to provide the minimum levels of security applicable to NG9-1-1 Entities. It will also provide a basis for auditing and assessing levels of security and risk to NG9-1-1 Entities, assets or elements, and exception approval / risk acceptance process in the case of non-compliance to these guidelines.

NENA (National Emergency Number Association)

Sandy Dyre <crm@nena.org> | 1700 Diagonal Road Suite 500, Suite 500 | Alexandria, VA 22314 www.nena.org

New Standard

BSR/NENA STA-048.1-202x, NENA Standard for 9-1-1 Notifications and Coordination with the United States Coast Guard (new standard)

Stakeholders: Local, state, federal, and industry organizations with operational and technical experience with maritime emergency events.

Project Need: Standardize PSAP Operational Notification and Interoperability related to Maritime Incidents Interest Categories: Users, Producers, General Interests.

Scope: The standard is to identify necessary information related to maritime events, when the United States Coast Guard (USCG) should be notified, how they should be notified, the regulations and statutes that prompt a notification to the USCG, and to provide a basic template for PSAPs to work from when coordinating efforts with USCG units. This standard builds on the basic foundations that every maritime incident response will start on. With this information at hand, PSAPs can work to create policy for a quicker, safer, more efficient, and effective response to maritime incidents.

SPRI (Single Ply Roofing Industry)

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

New Standard

BSR/SPRI/FM MPO-1-202x, Test Standard for Comparative Pull-Over Strengths of Membrane Fastening Systems and Waterproofing Membrane Materials Used with Low Slope Roofing Systems where Stress Plates are Used for Waterproofing Membrane Securement (new standard)

Stakeholders: Roof system manufacturers, roofing component manufacturers (Fasteners, stress plates, board stock materials), Testing labs, accreditation bodies, certification services.

Project Need: This standard would allow comparative work to determine if new or different membranes, fastening systems, or different combinations of membranes and fastening systems would be acceptable substitutes for roofing assemblies without needing to perform full system tests for each combination of membrane and fastening system at a much higher cost.

Interest Categories: Producer-Other. Producer, General Interest, User.

Scope: This standard provides basic requirements and procedures for determining the maximum failure load of waterproofing membranes and fastening systems when tested for membrane pull over resistance in both symmetric and asymmetric stress plate loading scenarios

ULSE (UL Standards & Engagement)

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

National Adoption

BSR/UL 62817-202x, Photovoltaic systems – Design qualification of solar trackers (identical national adoption of IEC 62817)

Stakeholders: PV Industry, AHJs, manufacturers, installers, users and authorized personnel for solar trackers for PV systems and other solar applications, and certification bodies.

Project Need: The UL Standard for Safety for Solar Trackers, UL 3703, is published and covers safety requirements for solar trackers, but not performance qualification. Adopting IEC 62817 as a UL standard will fill that gap.

Interest Categories: AHJs, Commercial/Industrial Users, General Interest, Producers, Supply Chain and Testing and Standards Organizations.

Scope: This International Standard is a design qualification standard applicable to solar trackers for photovoltaic systems, but may be used for trackers in other solar applications. The standard defines test procedures for both key components and for the complete tracker system. In some cases, test procedures describe methods to measure and/or calculate parameters to be reported in the defined tracker specification sheet. In other cases, the test procedure results in a pass/fail criterion.

VITA (VMEbus International Trade Association (VITA))

Jing Kwok <jing.kwok@vita.com> | 929 W. Portobello Avenue | Mesa, AZ 85210 www.vita.com

Revision

BSR/VITA 86-202x, High Voltage Input Sealed Connector Power Supply (revision and redesignation of ANSI/VITA 86-2019)

Stakeholders: Manufacturers, suppliers, and users of modular embedded computers.

Project Need: To define a high-voltage-input sealed connector power supply standard for the VPX ecosystem.

Interest Categories: User, Producer, General Interest.

Scope: This standard defines an environmentally sealed connector pair which is compatible with the backplane footprint as defined in VITA 62.0 for 3U power supplies operating in harsh environments operating off of a high voltage input. This revision preserves the backplane footprint and interface and the power supply module to backplane interface but allows additional module-to-PCB solutions within the power supply.

Call for Comment on Standards Proposals

American National Standards

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: April 23, 2023

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST CCAH-202x, Reducing Radon in New Construction of 1 & 2 Family Dwellings and Townhouses (revision of ANSI/AARST CCAH-2022)

This standard provides minimum requirements for the rough-In of radon control system components in new dwelling units under construction. CCAH also includes minimum requirements for verifying if radon concentrations are below the national action level and, if required, activation of radon control systems.

Click here to view these changes in full

Send comments (copy psa@ansi.org) to: Gary Hodgden <StandardsAssist@gmail.com>

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST CC-1000-202x, Soil Gas Control Systems in New Construction of Buildings (revision of ANSI/AARST CC-1000-2018)

The provisions in this standard provide minimum requirements for the construction of any building intended for human occupancy, except for 1 and 2 family dwellings, in order to reduce occupant exposure to radon and other hazardous soil gases. This standard and informational supplements address construction of buildings that include, among others, the use of a building or structure, or a portion thereof for multifamily or congregate residential occupancies, educational occupancies and commercial occupancies.

Click here to view these changes in full

Send comments (copy psa@ansi.org) to: Gary Hodgden <StandardsAssist@gmail.com>

Comment Deadline: April 23, 2023

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST MA-MAMF-202x, Protocol for Conducting Measurements of Radon and Radon Decay Products in Multifamily, School, Commercial and Mixed-Use Buildings (revision and redesignation of ANSI/AARST MA-MFLB -2022)

This standard consolidates ANSI/AARST MAMF 2017 rev.1-21 and ANSI/AARST MALB 2014 rev.1-21 into a single publication. This standard of practice specifies procedures and minimum requirements when measuring radon concentrations in shared structures, or portions of shared structures, used for residential, non-residential, or mixed-use purposes to determine if radon mitigation is necessary to protect current and future occupants. Click here to view these changes in full

Send comments (copy psa@ansi.org) to: Gary Hodgden <StandardsAssist@gmail.com>

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST MAH-202x, Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes (revision of ANSI/AARST MAH-2022)

This standard of practice specifies procedures and minimum requirements when measuring radon concentrations in single-family residences for determining if radon mitigation is necessary to protect current and future occupants.

Click here to view these changes in full

Send comments (copy psa@ansi.org) to: Gary Hodgden <StandardsAssist@gmail.com>

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST MS-QA-202x, Radon Measurement Systems Quality Assurance (revision of ANSI/AARST MS-QA-2022) This standard of practice specifies minimum requirements for quality systems designed to quantify the concentration of 222Rn gas in air by qualified professionals (QPs) and laboratories, whose data are intended to be used to determine the need for, or success of, radon mitigation.

Click here to view these changes in full

Send comments (copy psa@ansi.org) to: Gary Hodgden <StandardsAssist@gmail.com>

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST RMS-LB-202x, Radon Mitigation Standards for Schools and Large Buildings (revision of ANSI/AARST RMS-LB-2020)

This standard of practice specifies minimum requirements for methods that mitigate risks to occupants posed by radon gas, chemical vapors or other hazardous soil gases that are present within existing schools and large buildings.

Click here to view these changes in full

Send comments (copy psa@ansi.org) to: Gary Hodgden <StandardsAssist@gmail.com>

Comment Deadline: April 23, 2023

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST RMS-MF-202x, Radon Mitigation Standards for Multifamily Buildings (revision of ANSI/AARST RMS-MF-2020)

This standard of practice specifies minimum requirements for methods that mitigate risks to occupants posed by radon gas, chemical vapors or other hazardous soil gases that are present within existing multifamily buildings. Click here to view these changes in full

Send comments (copy psa@ansi.org) to: Gary Hodgden <StandardsAssist@gmail.com>

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST SGM-SF-202x, Soil Gas Mitigation Standards for Existing Homes (revision of ANSI/AARST SGM-SF -2020)

This standard of practice specifies minimum requirements for methods that mitigate risks to occupants posed by radon gas, chemical vapors or other hazardous soil gases that are present within existing homes.

Click here to view these changes in full

Send comments (copy psa@ansi.org) to: Gary Hodgden <StandardsAssist@gmail.com>

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

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

Addenda

BSR/ASHRAE Addendum 62.2e-202x, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2022)

This proposed addendum would remove the option of providing an openable window in place of mechanical exhaust within toilet rooms, for new construction. The committee's concerns for addressing both odor and bioaerosols associated with human waste resulted in this addendum, which will align Standard 62.2 with the International Residential Code's requirement for mechanical ventilation of toilet rooms. Click here to view these changes in full

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

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

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

Addenda

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

The proposed change clarifies that the requirements of Section 9 apply to building projects. This change clarifies that the requirements of Section 9 apply to, and were developed to address, materials and resources within a building project rather than a broader interpretation of structure or infrastructure.

Click here to view these changes in full

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

Comment Deadline: April 23, 2023

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

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

Addenda

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

Standard 189.1 has a Jurisdictional Option [JO] in Section 7.4.6.3.1 for occupancy control of commercial and industrial storage lighting that is less stringent than the requirements in ASHRAE 90.1-2022. As a result, this proposal recommends striking Section 7.4.6.3.1. In general, jurisdictional options are more stringent than the base case code but in this case, this would weaken the standard to be less stringent than the base 90.1 efficiency standard. Stringency is increased by deleting this requirement and reverting to the controls requirement in the base standard ASHRAE 90.1.

Click here to view these changes in full

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

NSF (NSF International)

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

Revision

BSR/NSF 173-202x (i108r1), Dietary Supplements (revision of ANSI/NSF 173-2021)

This standard contains requirements for dietary supplements that contain one or more of the following dietary ingredients: a vitamin, a mineral, an herb or other botanical, an amino acid, a dietary substance for use by humans to supplement the diet by increasing the total dietary intake, or a concentrate, metabolite, constituent, extract, or combinations of these ingredients.

Click here to view these changes in full

Send comments (copy psa@ansi.org) to: Rachel Brooker <rbrooker@nsf.org>

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | Heather.Sakellariou@ul.org, https://ulse.org/

Revision

BSR/UL 588-202x, Standard for Safety for Seasonal and Holiday Decorative Products (revision of ANSI/UL 588 -2022)

The following changes in requirements are being proposed for your review: 1. Clarify requirements for seriesconnected lighting strings employing shrink tubing

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."

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 014-202x, Standard for Friction Ridge Examination Training Program (new standard) This document provides the requirements for a forensic service provider's (FSP's) training program for friction ridge examiners and includes recommended learning outcomes for the trainee. This document does not provide lesson plans, practical exercises, or performance measures for successful completion of each module. Individual sections only apply to trainees who perform those job functions. Single copy price: Free

Obtain an electronic copy from: A recirculation redline version, and comments can be viewed on the AAFS Standards Board website at: www.aafs.org/academy-standards-board Send comments (copy psa@ansi.org) to: asb@aafs.org

ABYC (American Boat and Yacht Council)

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

Revision

BSR/ABYC E-11-202x, AC and DC Electrical Systems on Boats (revision of ANSI/ABYC E-11-2021) This standard addresses the design, construction, and installation of alternating current (AC) electrical systems and direct current (DC) electrical systems on boats. This standard applies to alternating current (AC) electrical systems on boats operating at frequencies of 50 or 60 Hz and less than 300 V, including shore power systems up to the point of connection to the shore outlet and including the shore power cable, and direct current (DC) electrical systems on boats operating at 60 V nominal or less.

Single copy price: \$50.00 Obtain an electronic copy from: abycinc.org

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

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

New Standard

BSR/AHRI Standard 810-202x (SI/I-P), Performance Rating of Automatic Commercial Ice-Makers (new standard) This standard applies to factory-made Automatic Commercial Ice-makers. The purpose of this standard is to establish for Automatic Commercial Ice-makers: definitions; test requirements; rating requirements; minimum data requirements for Published Ratings; marking and nameplate data; and conformance conditions. Single copy price: Free

Obtain an electronic copy from: https://connect.ahrinet.org/standards-public-review/stdsunderpublicreview Send comments (copy psa@ansi.org) to: AHRI_Standards@ahrinet.org

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

New Standard

BSR/AHRI Standard 820-202x (SI/I-P), Performance Rating of Ice Storage Bins (new standard) The purpose of this standard is to establish for Ice Storage Bins: definitions; test requirements; rating requirements; minimum data requirements for Published Ratings; marking and nameplate data; and conformance conditions.

Single copy price: Free

Obtain an electronic copy from: https://connect.ahrinet.org/standards-public-review/stdsunderpublicreview Send comments (copy psa@ansi.org) to: AHRI_Standards@ahrinet.org

ASABE (American Society of Agricultural and Biological Engineers)

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

New Standard

BSR/ASABE S611 MONYEAR-202x, Collecting, Processing, and Visualizing Geographic Harvest Data (new standard)

The scope of this standard comprises the processes of collection, processing, and visualization of geographic harvest data. To the effect of enabling users to be successful in these processes, this standard recommends minimum data requirements for geographic harvest data.

Single copy price: \$52.00 (ASABE Members); \$78.00 (non-ASABE Members)

Obtain an electronic copy from: companion@asabe.org

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

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

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

Reaffirmation

BSR/ASHRAE/ACCA Standard 211-2018 (R202x), Standard for Commercial Building Energy Audits (reaffirmation of ANSI/ASHRAE/ACCA Standard 211-2018)

The purpose of this standard is to establish consistent practices for conducting and reporting energy audits for commercial buildings. This standard: a. defines the procedures required to perform Energy Audits Levels 1, 2 and 3, b. provides a common scope of work for these audit levels for use by building owners and others, c. establishes consistent methodology and minimum required level of analytical rigor, and d. establishes minimum reporting requirements for the results from energy audits.

Single copy price: \$35.00

Obtain an electronic copy from: Free download at http://www.ashrae.org/standards-research--technology/public-review-drafts

Send comments (copy psa@ansi.org) to: Online Comment Database at http://www.ashrae.org/standardsresearch--technology/public-review-drafts

AWS (American Welding Society)

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

New Standard

BSR/AWS B5.16-202x, Specification for the Qualification of Welding Engineering Personnel (new standard) This specification establishes the requirements for qualification of Welding Engineering Technologists and Welding Engineers employed in the welding industry. The minimum experience, examination, application, qualification, and requalification requirements and methods are defined herein. This specification is a method for engineering personnel to establish a record of their qualification and abilities in welding industry work such as development of procedures, processes controls, quality standards, problem solving, etc. Single copy price: \$26.00 (Members)/\$34.50 (Non-Members) Obtain an electronic copy from: bboddiger@aws.org Send comments (copy psa@ansi.org) to: Brenda Boddiger
bboddiger@aws.org>

AWWA (American Water Works Association)

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

Revision

BSR/AWWA E200-202x, Progressive Cavity Chemical Metering Pumps (revision of ANSI/AWWA E200-2018) This standard provides minimum requirements for progressive cavity chemical metering pumps used with polymers and aggressive chemicals including sodium hypochlorite (NaOCI), ferric chloride (FeCl3), sulfuric acid (H2SO4), hydrochloric acid (HCI), and other strong acids and bases.

Single copy price: Free

Obtain an electronic copy from: etssupport@awwa.org

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

B11 (B11 Standards, Inc.)

P.O. Box 690905, Houston, TX 77269 | cfelinski@b11standards.org, https://www.b11standards.org/

Reaffirmation

BSR B11.20-2017 (R202x), Safety Requirements for the Integration of Machinery into a systems (reaffirmation of ANSI B11.20-2017)

This standard specifies the safety requirements for the design, construction, set-up, operation and maintenance (including installation, dismantling and transport) of integrated manufacturing systems. This standard does not cover: safety aspects of individual machines and equipment that may be covered by standards specific to those machines and equipment (B11 "base" standard), transfer machines or transfer lines, or continuous flow processes.

Single copy price: \$139.00

Obtain an electronic copy from: dfelinski@b11standards.org

Send comments (copy psa@ansi.org) to: Chris Felinski <cfelinski@b11standards.org>

GBI (Green Building Initiative)

PO Box 80010, Portland, 97280 | emarx@thegbi.org, www.thegbi.org

Revision

BSR/GBI 01-202X, Green Globes Assessment Protocol for Design, New Construction, and Major Renovations (revision of ANSI/GBI 01-2021)

The Standard includes criteria and practices for resource-efficient, healthy, resilient, and environmentally preferable construction of commercial buildings. Six areas of green building design will be included: environmental/project management, site, energy, water efficiency, materials, and indoor environment. Single copy price: Paper: \$25.00 USD; Online: free

Obtain an electronic copy from: https://thegbi.org/green-building-standards/

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

ICC (International Code Council)

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

Revision

BSR/ICC 300-202x, ICC Standard on Bleachers, Folding and Telescopic Seating, and Grandstands (revision of ANSI/ICC 300-2017)

The purpose of the effort is the development of appropriate, reasonable and enforceable model health and safety provisions for new and existing installations of all types of bleachers and bleacher-type seating, including fixed and folding bleachers for indoor, outdoor, temporary and permanent installations. Such provisions would serve as a model for adoption and use by enforcement agencies at all levels of government in the interest of national uniformity.

Single copy price: Free

Obtain an electronic copy from: https://www.iccsafe.org/products-and-services/standards/is-ble/ Send comments (copy psa@ansi.org) to: kpaarlberg@iccsafe.org

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

New Standard

BSR/ICEA T-25-425-202x, Guide for Establishing Stability of Volume Resistivity for Semiconducting Polymeric Components of Power Cables (new standard)

This guide applies to testing of extruded semiconducting polymeric components of power cable with extruded insulation. It describes a method of demonstrating the stability over a period of time of the volume resistivity (calculated from longitudinal resistance) of these components at temperatures up to the emergency operating temperature of the cable.

Single copy price: \$100.00

Obtain an electronic copy from: communication@nema.org

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

Reaffirmation

BSR/ICEA T-32-645-2017 (R202x), Test Method for Establishing Volume Resistivity Compatibility of Water Blocking Components with Extruded Semiconducting Shield Materials (reaffirmation of ANSII/ICEA T-32-645 -2017)

This test method provides procedures for establishing volume resistivity compatibility of water blocking components with extruded semiconducting shields utilized in MV, HV or EHV power cables. The compatibility test is designed to verify that the electrical properties of a semiconducting material used as a conductor or insulation shield are not adversely affected when exposed to a water blocking component.

Single copy price: \$97.00

Obtain an electronic copy from: communication@nema.org

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

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | mike.leibowitz@nema.org, www.nema.org

Revision

BSR/NEMA MW 1000-202x, Magnet Wire (revision of ANSI/NEMA MW 1000-2020)

This publication is designed to present in concise and convenient form all existing NEMA Standards for magnet wire. It contains Standards for round, rectangular, and square film-insulated and/or fibrous- covered copper and aluminum magnet wire for use in electrical apparatus. Included are the definitions, type designations, dimensions, constructions, performance, and test methods for magnet wire generally used in the winding of coils for electrical apparatus. Unless otherwise stated, a revision to a product specification in this Standards publication does not affect compliance of product manufactured during the time a previous version of that specification was in effect.

Single copy price: \$350.00

Obtain an electronic copy from: mike.leibowitz@nema.org

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

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

New Standard

BSR/NFPA 1022-202x, Standard for Fire and Emergency Services Analyst Professional Qualifications (new standard)

This standard identifies the minimum job performance requirements (JPRs) for personnel who use, manage, review, analyze, support, or evaluate public safety data and related technical systems. Obtain an electronic copy from: www.nfpa.org/1022Next

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NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

New Standard

BSR/NFPA 1585-202x, Standard for Exposure and Contamination Control (new standard) This standard shall contain minimum requirements for an exposure and contamination control program for emergency services incident scene operations and training. Obtain an electronic copy from: www.nfpa.org/1585Next Send comments (copy psa@ansi.org) to: Same

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

Revision

BSR/NFPA 13D-202x, Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes (revision of ANSI/NFPA 13D-2022)

1.1 Scope. This standard shall cover the design, installation, and maintenance of automatic sprinkler systems for protection against the fire hazards in one- and two-family dwellings, manufactured homes, and townhouses. This standard shall not provide requirements for the design or installation of water mist fire protection systems, which are not considered fire sprinkler systems and are addressed by NFPA 750. This standard shall be based on the concept that the sprinkler system is designed to protect against a fire originating from a single ignition location. Obtain an electronic copy from: www.nfpa.org/13dNext

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NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

Revision

BSR/NFPA 13R-202x, Standard for the Installation of Sprinkler Systems in Low-Rise Residential Occupancies (revision of ANSI/NFPA 13R-2022)

1.1 Scope. This standard shall cover the design and installation of automatic sprinkler systems for protection against fire hazards in residential occupancies up to and including four stories in height that are located in buildings not exceeding 60 ft (18 m) in height above grade plane. This standard shall be based on the concept that the sprinkler system is designed to protect against a fire originating from a single ignition location. This standard shall not provide requirements for the design or installation of water mist fire protection systems, which are not considered fire sprinkler systems and are addressed by NFPA 750.

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NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

Revision

BSR/NFPA 13-202x, Standard for the Installation of Sprinkler Systems (revision of ANSI/NFPA 13-2022) 1.1 Scope. This standard shall provide the minimum requirements for the design and installation of automatic fire sprinkler systems and exposure protection sprinkler systems covered within this standard. This standard shall not provide requirements for the design or installation of water mist fire protection systems. .1 Water mist fire protection systems shall not be considered fire sprinkler systems. .2 The design and installation of water mist fire protection systems shall comply with NFPA 750. This standard is written with the assumption that the sprinkler system shall be designed to protect against a single fire originating within the building. Obtain an electronic copy from: www.nfpa.org/13Next Send comments (copy psa@ansi.org) to: Same

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

Revision

BSR/NFPA 20-202x, Standard for the Installation of Stationary Pumps for Fire Protection (revision of ANSI/NFPA 20-2022)

1.1 Scope. This standard deals with the selection and installation of pumps supplying liquid for private fire protection. The scope of this document shall include liquid supplies; suction, discharge, and auxiliary equipment; power supplies, including power supply arrangements; electric drive and control; diesel engine drive and control; steam turbine drive and control; and acceptance tests and operation. This standard does not cover system liquid supply capacity and pressure requirements, nor does it cover requirements for periodic inspection, testing, and maintenance of fire pump systems. This standard does not cover the requirements for installation wiring of fire pump units.

Obtain an electronic copy from: www.nfpa.org/20Next Send comments (copy psa@ansi.org) to: Same

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

Revision

BSR/NFPA 24-202x, Standard for the Installation of Private Fire Service Mains and Their Appurtenances (revision of ANSI/NFPA 24-2022)

1.1 Scope. This standard shall provide the minimum requirements for the installation of private fire service mains and their appurtenances, which include supplying the following: (1) Automatic sprinkler systems (2) Open sprinkler systems (3) Water spray fixed systems (4) Foam systems (5) Private hydrants (6) Monitor nozzles or standpipe systems with reference to water supplies (7) Hose houses This standard shall apply to combined service mains intended to carry water for fire service and other uses. This standard shall not apply to the following situations: (1) Mains under the control of a water utility (2) Mains providing fire protection and/or domestic water that are privately owned but are operated as a water utility (3)Dry fire hydrants utilized for drafting or mains connected to dry fire hydrants utilized for drafting This standard shall not apply to underground mains serving sprinkler systems designed and installed in accordance with NFPA 13R that are less than 4 in. (100 mm) in nominal diameter. This standard shall not apply to underground mains serving sprinkler systems designed and installed in accordance with NFPA 13R that are less than 4 in. (100 mm) in

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NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 40-202x, Standard for the Storage and Handling of Cellulose Nitrate Film (revision of ANSI/NFPA 40 -2022)

Although the storage and handling of cellulose nitrate film have a good safety record, fire tests conducted prior to 1967 indicated the desirability of a modification of existing standards. The requirements of this standard, therefore, apply strictly to long-term storage of cellulose nitrate film. This standard shall apply to all facilities that are involved with the storage and handling of cellulose nitrate – based film. A. Cellulose nitrate – based film includes, but is not limited to, original negative, duplicate negative, interpositive (fine grain), color separation master (YCM), successive exposure master (SEN), optical soundtrack negative or master, mattes, title bands, and release prints. This standard shall not apply to the storage and handling of film having a base other than cellulose nitrate.

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NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

Revision

BSR/NFPA 72®-202x, National Fire Alarm and Signaling Code® (revision of ANSI/NFPA 72®-2022) 1.1 Scope. NFPA 72 covers the application, installation, location, performance, inspection, testing, and maintenance of fire alarm systems, supervising station alarm systems, public emergency alarm reporting systems, fire and carbon monoxide detection and warning equipment, and emergency communications systems (ECS), and their components. The provisions of this chapter apply throughout the Code unless otherwise noted. For the purposes of carbon monoxide detection, this standard is primarily concerned with life safety, not property protection.

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NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

Revision

BSR/NFPA 80-202x, Standard for Fire Doors and Other Opening Protectives (revision of ANSI/NFPA 80-2022) 1.1 Scope.This standard regulates the installation and maintenance of assemblies and devices used to protect openings in walls, floors, and ceilings against the spread of fire and smoke within, into, or out of buildings. With the exception of fabric fire safety curtain assemblies, this standard addresses assemblies that have been subjected to standardized fire tests. (See Chapter 20.) Incinerator doors, record room doors, and vault doors are not covered in this standard. Requirements for horizontally sliding, vertically sliding, and swinging doors as used in this standard do not apply to hoistway doors for elevators and dumbwaiters. This standard does not cover fire resistance glazing materials and horizontally sliding accordion or folding assemblies fabricated for use as walls and tested as wall assemblies in accordance with ASTM E119, Standard Test Methods for Fire Tests of Building Construction and Materials, or UL 263, Fire Tests of Building Construction and Materials. This standard does not cover requirements for labeled fire door assemblies installed in openings not required to be fire rated. Obtain an electronic copy from: www.nfpa.org/80Next

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 101A-202x, Guide on Alternative Approaches to Life Safety (revision of ANSI/NFPA 101A-2022) This edition of NFPA 101A contains alternative approaches that are tied to NFPA 101. Each of these systems is recognized by the Life Safety Code, in its Annex A, as a method that can be used to assist the authority having jurisdiction in determining equivalent compliance with various chapters of the Code. The method described in this guide is an index method. Index methods are a type of qualitative risk assessment. Quantitative risk assessments can also be used to evaluate designs that are proposed as alternative approaches to life safety. Obtain an electronic copy from: www.nfpa.org/101aNext Send comments (copy psa@ansi.org) to: Same

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

Revision

BSR/NFPA 105-202x, Standard for Smoke Door Assemblies and Other Opening Protectives (revision of ANSI/NFPA 105-2022)

1.1 Scope. This standard shall prescribe minimum requirements for smoke door assemblies for use in providing safety to life and protection of property from smoke.

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NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 110-202x, Standard for Emergency and Standby Power Systems (revision of ANSI/NFPA 110-2022) 1.1 Scope. This standard contains requirements covering the performance of emergency and standby power systems providing an alternate source of electrical power to loads in buildings and facilities in the event that the primary power source fails. Power systems covered in this standard include power sources, transfer equipment, controls, supervisory equipment, and all related electrical and mechanical auxiliary and accessory equipment needed to supply electrical power to the load terminals of the transfer equipment. Obtain an electronic copy from: www.nfpa.org/110Next

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 111-202x, Standard on Stored Electrical Energy Emergency and Standby Power Systems (revision of ANSI/NFPA 111-2022)

This standard shall cover performance requirements for stored electrical energy systems providing an alternate source of electrical power in buildings and facilities in the event that the normal electrical power source fails. A. For emergency power systems supplied by emergency generators, see NFPA 110, Standard for Emergency and Standby Power Systems. Systems covered in this standard shall include power sources, transfer equipment, controls, supervisory equipment, and accessory equipment, including integral accessory equipment, needed to supply electrical power to the selected circuits. This standard shall cover installation, maintenance, operation, and testing requirements as they pertain to the performance of the stored emergency power supply system (SEPSS). Exclusions. .1 This standard shall not cover the following: (1) Application of the SEPSS (2) Distribution wiring (3) Systems having total outputs less than 500 VA or less than 24 V, or systems less than Class 0.033 (4) Unit equipment (5) Nuclear sources, solar systems, and wind stored-energy systems (6) Uninterruptible power systems (UPS) supplied by an emergency power supply system (EPSS) .2 The following shall not be within the scope of this standard: (1) Specific...

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NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 150-202x, Fire and Life Safety in Animal Housing Facilities Code (revision of ANSI/NFPA 150-2022) 1.1 Scope. This Code shall provide the minimum requirements for the design, construction, fire protection, and classification of animal housing facilities. Animal housing facilities shall be designed, constructed, and maintained in accordance with the adopted building, fire, and life safety codes and the requirements herein. Where requirements of this Code differ from the adopted fire prevention, life safety, and building codes, the requirements of this Code shall govern the protection of the animal occupants and animal handlers. Obtain an electronic copy from: www.nfpa.org/150Next Send comments (copy psa@ansi.org) to: Same

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

Revision

BSR/NFPA 291-202x, Recommended Practice for Water Flow Testing and Marking of Hydrants (revision of ANSI/NFPA 291-2022)

1.1 Scope. The scope of this document is water flow testing and marking of hydrants.

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NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

Revision

BSR/NFPA 318-202x, Standard for the Protection of Semiconductor Fabrication Facilities (revision of ANSI/NFPA 318-2021)

1.1 Scope. This standard applies to semiconductor fabrication facilities and comparable fabrication processes, including research and development areas in which hazardous chemicals are used, stored, and handled and containing what is herein defined as a cleanroom or clean zone, or both.

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NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

Revision

BSR/NFPA 400-202x, Hazardous Materials Code (revision of ANSI/NFPA 400-2022)

Applicability. This code shall apply to the storage, use, and handling of the following hazardous materials in all occupancies and facilities: (1) Ammonium nitrate solids and liquids (2) Corrosive solids and liquids (3) Flammable solids (4) Organic peroxide formulations (5) Oxidizer — solids and liquids (6) Pyrophoric solids and liquids (7) Toxic and highly toxic solids and liquids (8) Unstable (reactive) solids and liquids (9) Water-reactive solids and liquids (10)*Compressed gases and cryogenic fluids as included within the context of NFPA 55, Compressed Gases and Cryogenic Fluids Code A.(10) It is not intended that NFPA 400 regulate compressed gases or cryogenic fluids outside of the scope of NFPA 55, Compressed Gases and Cryogenic Fluids Code, including LPG as regulated by NFPA 58, Liquefied Petroleum Gas Code, fuel gas as regulated by NFPA 54, National Fuel Gas Code, vehicular fuels as regulated by NFPA 52, Vehicular Gaseous Fuel Systems Code, or LNG as regulated by NFPA 59, Utility LP-Gas Plant Code. Refer to the specific exemptions referred to in 2.2. A. Manufacturing operations are covered by this code when the manufacturing operation involves the storage or use of hazardous materials regulated by this code. When quantities exceed Occupational...

Obtain an electronic copy from: www.nfpa.org/400Next

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SIA (Security Industry Association)

8405 Colesville Road, Suite 500, Silver Spring, MD 20910 | EShen@securityindustry.org, www.siaonline.org

New Standard

BSR/SIA DC-09-202x, SIA Digital Communication Standard - Internet Protocol Event Reporting (new standard) This standard details the protocol and related details to report events from premises equipment to a central station using Internet protocol (IP) to carry the event content. It is important to distinguish that, while this reporting method uses the SIA Receiver-to-Computer Interface Protocol as a foundation, it is intended for event transport from protected premises to a central station - possibly using the public Internet. Single copy price: \$60.00

Obtain an electronic copy from: eshen@securityindustry.org Send comments (copy psa@ansi.org) to: Same

ULSE (UL Standards & Engagement)

47173 Benicia Street, Fremont, CA 94538 | Marcia.M.Kawate@ul.org, https://ulse.org/

Reaffirmation

BSR/UL 1453-2018 (R202x), Standard for Safety for Electric Booster and Commercial Storage Tank Water Heaters (reaffirmation of ANSI/UL 1453-2018)

These requirements cover electric booster water heaters, electric commercial storage tank water heaters, and remote control assemblies for such heaters, rated 600 volts or less, to be employed in ordinary locations in accordance with the National Electrical Code, NFPA 70, and that meet at least one of the following conditions: (a) Over 120 gallons (454 L) in capacity; (b) Rated over 12 kilowatts; or (c) Equipped with one or more temperature-regulating controls that permit a water temperature of more than 85 °C (185 °F). 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

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 61010-2-030-2018 (R202x), Standard for Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 2-030: Particular Requirements for Equipment Having Testing or Measuring Circuits (reaffirm a national adoption ANSI/UL 61010-2-030-2018)

1. Reaffirmation and continuance of the Second Edition of the Standard for Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use – Part 2-030: Particular Requirements for Equipment Having Testing or Measuring Circuits, UL 61010-2-030, as an standard.

Single copy price: Free

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ULSE (UL Standards & Engagement)

9 Burlington Crescent, Ottawa, ON K1T3L1 | celine.eid@ul.org, https://ulse.org/

Revision

BSR/UL 651A-202x, Standard for Safety for Schedule 40 and 80 High Density Polyethylene (HDPE) Conduit (revision of ANSI/UL 651A-2017) Proposed Sixth Edition of UL 651A Single copy price: Free Obtain an electronic copy from: celine.eid@ul.org 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

ULSE (UL Standards & Engagement)

9 Burlington Crescent, Ottawa, ON K1T3L1 | celine.eid@ul.org, https://ulse.org/

Revision

BSR/UL 1990-202x, Standard for Safety for Nonmetallic Underground HDPE Conduit with Conductors (revision of ANSI/UL 1990-2017) Proposed Fourth Edition of UL 1990 Single copy price: Free Obtain an electronic copy from: celine.eid@ul.org 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

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 | jing.kwok@vita.com, www.vita.com

Reaffirmation

BSR/VITA 46.9-2018 (R202x), PMC/XMC Rear I/O Fabric Signal Mapping on 3U and 6U VPX Modules Standard (reaffirmation of ANSI/VITA 46.9-2018)

This document describes an open standard for PMC or XMC mezzanine rear I/O pin mappings to VITA 46.0 plug-in module backplane connectors.

Single copy price: \$25.00

Obtain an electronic copy from: admin@vita.com

Send comments (copy psa@ansi.org) to: admin@vita.com

Comment Deadline: May 23, 2023

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME AED-1-202x, Aerospace and Advanced Engineering Drawings (revision of ANSI/ASME AED-1-2018) This Standard provides a method to document requirements that are common across aerospace and other industries that use advanced manufacturing technologies. This Standard offers symbologies, terminologies, and concepts to enhance the understanding and abilities of those who create and use design documentation. Single copy price: Free

Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm Send comments (copy psa@ansi.org) to: Robert Ryan <ryanr@asme.org>

ASME (American Society of Mechanical Engineers)

Two Park Avenue, 6th Floor, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

Revision

BSR/ASME B18.24-202x, Part Identifying Number (PIN) Code System Standard for B18 Fastener Products (revision of ANSI/ASME B18.24-2020)

This Standard is intended to provide all users (manufacturers, distributors, design and configuration, parts control. inventory control, test and maintenance functions) with the capability to identify externally threaded, internally threaded and nonthreaded fastener products by a preselected order of coding.

Single copy price: \$125.00

Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm Send comments (copy psa@ansi.org) to: Robert Ryan <ryanr@asme.org>

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME B31.12-202x, Hydrogen Piping and Pipelines (revision of ANSI/ASME B31.12-2019)

This Code is applicable to piping in gaseous and liquid hydrogen service and to pipelines in gaseous hydrogen service. This Code is applicable up to and including the joint connecting the piping to associated pressure vessels and equipment but not to the vessels and equipment themselves. It is applicable to the location and type of support elements but not to the structure to which the support elements are attached. The design for pressure and temperature shall be in accordance with the requirements of Part IP for industrial piping and Part PL for pipelines.

Single copy price: Free

Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm Send comments (copy psa@ansi.org) to: Ray Rahaman

ASME (American Society of Mechanical Engineers)

Two Park Avenue, 6th Floor, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

Revision

BSR/ASME B107.100-202x, Flat Wrenches (revision of ANSI/ASME B107.100-2020)

This Standard provides performance and safety requirements for combination, open end, box, and flare nut wrenches; open end adjustable wrenches, with rack and worm adjustment, generally used on both hexagonal and square fasteners; crowfoot wrenches having a wrench component of the open end type or flare nut type; and ratcheting box wrenches used in hexagonal (6-point), double-hexagonal (12-point), square (4-point), and double-square (8-point) wrenching applications. The tools covered herein are listed by Category number in Table 4-1. Single copy price: \$95.00

Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm

Send comments (copy psa@ansi.org) to: Daniel Papert <papertd@asme.org </p>

CSA (CSA America Standards Inc.)

8501 East Pleasant Valley Road, Cleveland, OH 44131-5575 | ansi.contact@csagroup.org, www.csagroup.org

Reaffirmation

BSR/CSA FC 6-2018 (R202x), Fuel cell technologies - Part 2: Fuel cell modules (IEC 62282-2:2012, MOD) (reaffirm a national adoption ANSI/CSA FC 6-2018)

This part of IEC 62282 provides the minimum requirements for safety and performance of fuel cell modules and applies to fuel cell modules with the following electrolyte chemistry: alkaline; polymer electrolyte (including direct methanol fuel cells); phosphoric acid; molten carbonate; solid oxide; aqueous solution of salts. Fuel cell modules can be provided with or without an enclosure and can be operated at significant pressurization levels or close to ambient pressure. This standard deals with conditions that can yield hazards to persons and cause damage outside the fuel cell modules. Protection against damage inside the fuel cell modules is not addressed in this standard, provided it does not lead to hazards outside the module. These requirements may be superseded by other standards for equipment containing fuel cell modules as required for particular applications. This standard does not cover road vehicle applications. This standard is not intended to limit or inhibit technological advancement. An appliance employing materials or having forms of construction differing from those detailed in the requirements of this standard may be examined and tested according to the purpose of these requirements and, if found to be substantially equivalent, may be considered to comply with this standard. The fuel cell modules are components of final products. These products require evaluation to appropriate end-product safety requirements.

Single copy price: Free

Order from: David Zimmerman <ansi.contact@csagroup.org>

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

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Post Adj v4.1-2013, NCPDP Post Adjudication Standard v4.1-2013 (new standard) Send comments (copy psa@ansi.org) to: Margaret Weiker <mweiker@ncpdp.org>

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:

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP SC 2013012-2013, NCPDP SCRIPT Standard 2013012 (new standard) Send comments (copy psa@ansi.org) to: Margaret Weiker <mweiker@ncpdp.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:

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Post Adj v4.0-2013, NCPDP Post Adjudication Standard v4.0-2013 (revision and redesignation of ANSI/NCPDP Post Adj v3.1-2012)

Send comments (copy psa@ansi.org) to: Margaret Weiker <mweiker@ncpdp.org>

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:

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP SC 2013011-2013, NCPDP SCRIPT Standard 2013011 (revision and redesignation of ANSI/NCPDP Specialized Standard 2012031-2012)

Send comments (copy psa@ansi.org) to: Margaret Weiker <mweiker@ncpdp.org>

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:

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP TC vE.1-2013, NCPDP Telecommunication Standard vE.1-201x (revision and redesignation of ANSI/NCPDP TC vE.0-2013)

Send comments (copy psa@ansi.org) to: Margaret Weiker <mweiker@ncpdp.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.

HL7 (Health Level Seven)

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

ANSI/HL7 V3 TR AB, R1-2013 (R2018), HL7 Version 3 Standard: Abstract Transport Specification, Release 1 (reaffirmation of ANSI/HL7 V3 TR AB, R1-2013)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Karen Van Hentenryck <Karenvan@HL7. 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.

HL7 (Health Level Seven)

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

ANSI/HL7 V3 CPM CMET, R4-2018, HL7 Version 3 Standard: Common Product Model CMETs, Release 4 (revision and redesignation of ANSI/HL7 V3 CPM CMET, R3-2016)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Karen Van Hentenryck <Karenvan@HL7. org>

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.

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Post Adj v4.2-2013, NCPDP Post Adjudication Standard v4.2-2013 (new standard) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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

ANSI/NCPDP Product Identifier v1.0-2014, NCPDP Product Identifier Standard v1.0 (new standard) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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

ANSI/NCPDP Subrogation Standard v10-2017, NCPDP Subrogation Standard v10 (new standard) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP TC vE.2-2013, NCPDP Telecommunication Standard vE.2-2013 (new standard) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>
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ANSI/NCPDP Audit Transaction v2.1-2013, NCPDP Audit Transaction Standard Version 2.1-201x (revision and redesignation of ANSI/NCPDP Audit Transaction v1.0-2011)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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

ANSI/NCPDP Audit Transaction v3.0-2014, NCPDP Audit Transaction Standard Version 30-201x (revision and redesignation of ANSI/NCPDP Audit Transaction v2.1-2013)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Audit Transaction v31-2016, NCPDP Audit Transaction Standard v31 (revision and redesignation of ANSI/NCPDP Audit Transaction v3.0-2014)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Audit Transaction v32-2017, NCPDP Audit Transaction Standard v32 (revision and redesignation of ANSI/NCPDP Audit Transaction v31-2016)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP FIR v1.3-2017, NCPDP Financial Information Reporting Standard v1.3 (revision and redesignation of ANSI/NCPDP FIR V1.2-2009)

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.

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP FB v4.1-2013, NCPDP Formulary and Benefit Standard v4.1-201x (revision and redesignation of ANSI/NCPDP FB v4.0-2013)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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ANSI/NCPDP FB v4.3-2015, NCPDP Formulary and Benefit Standard v4.3 (revision and redesignation of ANSI/NCPDP FB v4.2-2014)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP FB v4.4-2015, NCPDP Formulary and Benefit Standard v44 (revision and redesignation of ANSI/NCPDP FB v4.3-2015)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP FB v50-2016, NCPDP Formulary and Benefit Standard v50 (revision and redesignation of ANSI/NCPDP FB v44-2015)

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.

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP MR v06.01-2013, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard v06.01-201x (revision and redesignation of ANSI/NCPDP MR v06.00-2013) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP MR v07.00-2014, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard v07.00-201x (revision and redesignation of ANSI/NCPDP MR v06.01-2013) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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ANSI/NCPDP MR v07.01-2014, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard (revision and redesignation of ANSI/NCPDP MR v07.00-2014) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Medical Rebate Standard v02.01-2013, NCPDP Medical Rebate Data Submission Standard v02.01 (revision and redesignation of ANSI/NCPDP Medical Rebate Standard v01.00-2011) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Medical Rebate Standard v02.02-2014, NCPDP Medical Rebate Data Submission Implementation Guide v02.02-201x (revision and redesignation of ANSI/NCPDP Medical Rebate Standard v02.01-2013) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP PA Transfer v21-2016, NCPDP Prior Authorization Transfer Standard v21 (revision and redesignation of ANSI/NCPDP PA Transfer v2.0-2013) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Post Adj v43-2014, NCPDP Post Adjudication Standard v43-201x (revision and redesignation of ANSI/NCPDP Post Adj v4.2-2013)

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ANSI/NCPDP Post Adj v44-2014, NCPDP Post Adjudication Standard v4.4-201x (revision and redesignation of ANSI/NCPDP Post Adj v4.3-2014)

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ANSI/NCPDP Post Adj v45-2016, NCPDP Post Adjudication Standard v45 (revision and redesignation of ANSI/NCPDP Post Adj v44-2014)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Post Adj v46-2017, NCPDP Post Adjudication Standard v46 (revision and redesignation of ANSI/NCPDP Post Adj v45-2016)

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NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Prescription File Transfer Standard v33-2014, NCPDP Prescription File Transfer Standard v33-201x (revision and redesignation of ANSI/NCPDP Prescription Transfer Standard v3.2-2013) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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ANSI/NCPDP Prescription Transfer Standard v3.1-2013, NCPDP Prescription Transfer Standard v3.1-2013 (revision and redesignation of ANSI/NCPDP Prescription Transfer Standard v2.0-2010) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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ANSI/NCPDP Prescription Transfer Standard v34-2016, NCPDP Prescription File Transfer Standard v34 (revision and redesignation of ANSI/NCPDP Prescription File Transfer Standard v33-2014) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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ANSI/NCPDP Prescription Transfer Standard v35-2017, NCPDP Prescription Transfer Standard v35 (revision and redesignation of ANSI/NCPDP Prescription Transfer Standard v34-2016)

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ANSI/NCPDP Product Identifier v1.1-2015, NCPDP Product Identifier Standard v1.1 (revision and redesignation of ANSI/NCPDP Product Identifier v1.0-2014)

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ANSI/NCPDP Product Identifier v1.2-2016, NCPDP Product Identifier Standard v1.2 (revision and redesignation of ANSI/NCPDP Product Identifier v1.1-2015)

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ANSI/NCPDP Product Identifier v1.3-2017, NCPDP Product Identifier Standard v1.3 (revision and redesignation of ANSI/NCPDP Product Identifier v1.2-2016)

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ANSI/NCPDP Product Identifier v1.4-2017, NCPDP Product Identifier Standard v1.4 (revision and redesignation of ANSI/NCPDP Product Identifier v1.3-2017)

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ANSI/NCPDP SC 2014101-2014, NCPDP SCRIPT Standard 2014101 (revision and redesignation of NCPDP SC WG110060201xxx#)

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

ANSI/NCPDP SCRIPT 2015041-2015, NCPDP SCRIPT Standard 2015041 (revision and redesignation of NCPDP SC WG110060201)

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ANSI/NCPDP SC 2015071-2015, NCPDP SCRIPT Standard 2015071 (revision and redesignation of NCPDP SC WG110064201)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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ANSI/NCPDP SCRIPT Standard 2014041-2014, NCPDP SCRIPT Standard 2014041 (revision and redesignation of ANSI/NCPDP SC Standard 2013101-2013)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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ANSI/NCPDP SC Standard 20130401-2013, NCPDP SCRIPT Standard 20130401 (revision of NCPDP SC WG110052201)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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ANSI/NCPDP SC Standard 2013101-2013, NCPDP SCRIPT Standard 2013101 (revision and redesignation of ANSI/NCPDP SC Standard 20130401-2013)

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ANSI/NCPDP SC Standard 2014071-2014, NCPDP SCRIPT Standard 2014071 (revision and redesignation of ANSI/NCPDP SCRIPT Standard 2014041-2014)

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NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP SC Standard 2014072-2014, NCPDP SCRIPT Standard 2014072 (revision and redesignation of NCPDP SC WG110058201)

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ANSI/NCPDP SC Standard 2016041-2016, NCPDP SCRIPT Standard 2016041 (revision and redesignation of ANSI/NCPDP SC 2015071-2015)

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ANSI/NCPDP SC Standard 2016071-2016, NCPDP SCRIPT Standard 2016071 (revision and redesignation of ANSI/NCPDP SC Standard 2016041-2016)

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ANSI/NCPDP SC Standard 2017011-2017, NCPDP SCRIPT Standard 2017011 (revision and redesignation of ANSI/NCPDP SC Standard 2014071-2014)

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ANSI/NCPDP Specialized Standard 20130401-2013, NCPDP Specialized Standard 20130401 (revision of BSR/NCPDP Specialized Standard MC000005201xxx#, NCPDP Specialized, Standard 201xxx# (revision and redesignation of ANSI/NCPDP Specialized, Standard WG110051201xxx#))

Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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.

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Specialized Standard 2013071-2013, NCPDP Specialized Standard 2013071 (revision and redesignation of NCPDP Specialized Standard MC000005201) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Specialized Standard 2013101-2013, NCPDP Specialized Standard 2013101 (revision and redesignation of NCPDP Specialized Standard WG110053201xxx#) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Specialized Standard 2014041-2014, NCPDP Specialized Standard 2014041 (revision and redesignation of ANSI/NCPDP Specialized Standard 2013101-2013) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Specialized Standard 2014072-2014, NCPDP Specialized Standard 2014072 (revision and redesignation of NCPDP Specialized Standard WG110057201xxx#) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Specialized Standard 2014101-2014, NCPDP Specialized Standard 2014101 (revision and redesignation of NCPDP Specialized Standard WG110060201xxx#) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

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.

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Specialized Standard 2015041-2015, NCPDP Specialized Standard 2015041 (revision and redesignation of NCPDP Specialized Standard WG110060201) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Specialized Standard 2015071-2015, NCPDP Specialized Standard 2015071 (revision and redesignation of NCPDP Specialized Standard WG110064201) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Specialized Standard 2016041-2016, NCPDP Specialized Standard 2016041 (revision and redesignation of ANSI/NCPDP Specialized Standard 2015071-2015) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Specialized Standard 2017011-2017, NCPDP Specialized Standard 2017011 (revision and redesignation of ANSI/NCPDP Specialized Standard 2014041-2014) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP TC vE5-2014, NCPDP Telecommunication Standard vE5-201x (revision and redesignation of ANSI/NCPDP TC vE.4-2014)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP TC vE6-2014, NCPDP Telecommunication Standard vE6 (revision and redesignation of ANSI/NCPDP TC vE5-2014)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP TC vE7-2015, NCPDP Telecommunication Standard vE7 (revision and redesignation of ANSI/NCPDP TC vE6-2014)

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP TC vE8-2016, NCPDP Telecommunication Standard vE8 (revision and redesignation of ANSI/NCPDP TC vE7-2015)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP TC vE9-2016, NCPDP Telecommunication Standard vE9 (revision and redesignation of ANSI/NCPDP TC vE8-2016)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP TC vE.3-2013, NCPDP Telecommunication Standard vE.3-2013 (revision and redesignation of ANSI/NCPDP TC vE.2-2013)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP TC vE.4-2014, NCPDP Telecommunication Standard vE.4-2014 (revision and redesignation of ANSI/NCPDP TC vE.3-2013)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP TC vEB-2017, NCPDP Telecommunication Standard vEB (revision and redesignation of ANSI/NCPDP TC vE9-2016)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Uniform Healthcare Payer Data Standard v22-2014, NCPDP Uniform Healthcare Payer Data Standard Implementation Guide v22-2014 (revision and redesignation of ANSI/NCPDP Uniform Healthcare Payer Data v2.1-2013)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Uniform Healthcare Payer Data Standard v23-2017, NCPDP Uniform Healthcare Payer Data Standard v23 (revision and redesignation of ANSI/NCPDP Uniform Healthcare Payer Data Standard v22-2014) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)

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

ANSI/NCPDP Uniform Healthcare Payer Data v2.1-2013, NCPDP Uniform Healthcare Payer Data Standard v2.1 -2013 (revision of ANSI/NCPDP Uniform Healthcare Payer Data Standard v2.0-2013) Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

ULSE (UL Standards & Engagement)

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

ANSI/UL 7006-2018, Standard for Sustainability for Household Room Air Conditioning Appliances (new standard) Send comments (copy psa@ansi.org) to: Questions may be directed to: Patricia Sena <patricia.a.sena@ul.org>

ULSE (UL Standards & Engagement)

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

ANSI/UL 7007-2018, Standard for Sustainability for Microwave Oven Appliances (new standard) Send comments (copy psa@ansi.org) to: Questions may be directed to: Patricia Sena comments

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.

ASA (ASC S12) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 | standards@acousticalsociety.org, www.acousticalsociety.org

ANSI/ASA S12.11-2013/Part 1/ISO 10302-1:2011 (R2023), Measurement of airborne noise emitted and structure-borne vibration induced by small air-moving devices - Part 1: Airborne noise measurement (a nationally adopted international standard) (reaffirmation of ANSI/ASA S12.11-2013/Part 1/ISO 10302-1:2011 (R2018)) Final Action Date: 3/16/2023 | *Reaffirmation*

ANSI/ASA S12.11 PART 2-2013, ISO 10302-2:2011 (R2023), Acoustics - Measurement of airborne noise emitted and structure-borne vibration induced by small air-moving devices - Part 2: Structure-borne vibration measurements (a nationally adopted international standard) (reaffirm a national adoption ANSI/ASA S12.11 PART 2-2013, ISO 10302-2:2011 (R2018)) Final Action Date: 3/16/2023 | *Reaffirmation*

ASA (ASC S2) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 | standards@acousticalsociety.org, www.acousticalsociety.org

ANSI/ASA S2.72/Part 1 Amd. 1-2010/ISO 2631-1 Amd. 1:2010 (R2023), Mechanical vibration and shock -Evaluation of human exposure to whole-body vibration - Part 1: General requirements, Amendment 1 (a nationally adopted international standard Amendment 1) (reaffirmation of ANSI/ASA S2.72/Part 1 Amd. 1-2010/ISO 2631-1 Amd. 1:2010 (R2018)) Final Action Date: 3/16/2023 | *Reaffirmation*

ASME (American Society of Mechanical Engineers)

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

ANSI/ASME BPVC Section II-2023, Part A - Ferrous Material Specifications; Part B - Nonferrous Material Specifications; Part D - Materials Properties (revision of ANSI/ASME BPVC Section II-2021) Final Action Date: 3/14/2023 | *Revision*

ANSI/ASME BPVC Section III-2023, Rules for Construction of Nuclear Facility Components (revision of ANSI/ASME BPVC Section III-2021) Final Action Date: 3/13/2023 | *Revision*

ANSI/ASME BPVC Section IX-2023, Welding, Brazing and Fusing Qualifications (revision of ANSI/ASME BPVC Section IX-2021) Final Action Date: 3/17/2023 | *Revision*

ANSI/ASME BPVC Section XI-2023, Section XI Rules for Inservice Inspection of Nuclear Power Plant Components (revision of ANSI/ASME BPVC Section XI-2021) Final Action Date: 3/15/2023 | *Revision*

ASTM (ASTM International)

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

ANSI/ASTM F3256-2023, Guide for Reporting and Recording of Near-Misses for Maritime Industry (new standard) Final Action Date: 3/7/2023 | New Standard

ANSI/ASTM E2224-2022, Guide for Forensic Analysis of Fibers by Infrared Spectroscopy (revision of ANSI/ASTM E2224-2019) Final Action Date: 3/14/2023 | *Revision*

ISA (International Society of Automation)

3252 S. Miami Blvd, Suite 102, Durham, NC 27703 | ebrazda@isa.org, www.isa.org

ANSI/ISA 67.06.01-2023, Performance Monitoring for Nuclear Safety-Related Instrument Channels in Nuclear Power Plants (new standard) Final Action Date: 3/14/2023 | *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 20085-2:2020 [2023], IT Security techniques - Test tool requirements and test tool calibration methods for use in testing non-invasive attack mitigation techniques in cryptographic modules - Part 2: Test calibration methods and apparatus (identical national adoption of ISO/IEC 20085-2:2020) Final Action Date: 3/16/2023 | National Adoption

INCITS/ISO/IEC 27036-2:2022 [2023], Cybersecurity - Supplier relationships - Part 2: Requirements (identical national adoption of ISO/IEC 27036-2:2022) Final Action Date: 3/16/2023 | *National Adoption*

INCITS/ISO/IEC 27050-3:2020 [2023], Information technology - Electronic discovery - Part 3: Code of practice for electronic discovery (identical national adoption of ISO/IEC 27050-3:2020) Final Action Date: 3/16/2023 | *National Adoption*

INCITS/ISO/IEC 27014:2020 [2023], Information security, cybersecurity and privacy protection - Governance of information security (identical national adoption of ISO/IEC 27014:2020) Final Action Date: 3/16/2023 | *National Adoption*

INCITS/ISO/IEC 27099:2022 [2023], Information technology - Public key infrastructure - Practices and policy framework (identical national adoption of ISO/IEC 27099:2022) Final Action Date: 3/16/2023 | *National Adoption*

INCITS 550-2023, Information technology - Zoned Block Commands - 2 (ZBC-2) (new standard) Final Action Date: 3/16/2023 | New Standard

NSF (NSF International)

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

ANSI/NSF 12-2023 (i13r1), Automatic Ice Making Equipment (revision of ANSI/NSF 12-2018) Final Action Date: 3/10/2023 | *Revision*

ANSI/NSF 12-2023 (i15r1), Automatic Ice Making Equipment (revision of ANSI/NSF 12-2018) Final Action Date: 3/8/2023 | *Revision*

ANSI/NSF 20-2023 (i9r1), Commercial Bulk Milk Dispensing Equipment (revision of ANSI/NSF 20-2020) Final Action Date: 3/8/2023 | *Revision*

ANSI/NSF 44-2023 (i53r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2021) Final Action Date: 3/10/2023 | *Revision*

ANSI/NSF 169-2023 (i11r1), Special Purpose Food Equipment and Devices (revision of ANSI/NSF 169-2020) Final Action Date: 3/8/2023 | *Revision*

ANSI/NSF/CAN 50-2023 (i194r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2021) Final Action Date: 3/13/2023 | *Revision*

ROHVA (Recreational Off-Highway Vehicle Association)

2 Jenner Street, Suite 150, Irvine, CA 92618 | kglaser@rohva.org

ANSI/ROHVA 1-2023, Recreational Off-Highway Vehicles (revision of ANSI/ROHVA 1-2016) Final Action Date: 3/17/2023 | *Revision*

SVIA (Specialty Vehicle Institute of America)

2 Jenner, Suite 150, Irvine, CA 92618 | kglaser@svia.org

ANSI/SVIA 1-2023, Four Wheel All-Terrain Vehicles (revision of ANSI/SVIA 1-2017) Final Action Date: 3/17/2023 | Revision

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | annemarie.jacobs@ul.org, https://ulse.org/

ANSI/UL 1017-2017 (R2023), Standard for Safety for Vacuum Cleaners, Blower Cleaners, and Household Floor Finishing Machines (reaffirmation of ANSI/UL 1017-2017) Final Action Date: 3/14/2023 | *Reaffirmation*

ANSI/UL 1659-2005 (R2023), Standard for Safety for Attachment Plug Blades for Use in Cord Sets and Power-Supply Cords (reaffirmation of ANSI/UL 1659-2005 (R2018)) Final Action Date: 3/13/2023 | *Reaffirmation*

ANSI/UL 746A-2023b, Standard for Polymeric Materials - Short Term Property Evaluations (revision of ANSI/UL 746A-2022) Final Action Date: 3/17/2023 | *Revision*

ANSI/UL 1072-2023, Standard for Safety for Medium-Voltage Power Cables (revision of ANSI/UL 1072-2020) Final Action Date: 3/16/2023 | *Revision*

ANSI/UL 4600-2023, Standard for Safety for Evaluation of Autonomous Products (revision of ANSI/UL 4600-2022) Final Action Date: 3/17/2023 | *Revision*

ANSI/UL 8800-2023, Standard for Safety for Horticultural Lighting Equipment and Systems (revision of ANSI/UL 8800-2021) Final Action Date: 3/13/2023 | *Revision*

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.

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

BSR/AARST CC-1000-202x, Soil Gas Control Systems in New Construction of Buildings (revision of ANSI/AARST CC -1000-2018)

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org BSR/AARST MS-QA-202x, Radon Measurement Systems Quality Assurance (revision of ANSI/AARST MS-QA-2022)

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

BSR/AARST MA-MAMF-202x, Protocol for Conducting Measurements of Radon and Radon Decay Products in Multifamily, School, Commercial and Mixed-Use Buildings (revision and redesignation of ANSI/AARST MA-MFLB -2022)

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

BSR/AARST RMS-MF-202x, Radon Mitigation Standards for Multifamily Buildings (revision of ANSI/AARST RMS-MF -2020)

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

BSR/AARST RMS-LB-202x, Radon Mitigation Standards for Schools and Large Buildings (revision of ANSI/AARST RMS-LB-2020)

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

BSR/AARST SGM-SF-202x, Soil Gas Mitigation Standards for Existing Homes (revision of ANSI/AARST SGM-SF-2020)

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org BSR/AHRI Standard 810-202x (SI/I-P), Performance Rating of Automatic Commercial Ice-Makers (new standard)

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org BSR/AHRI Standard 820-202x (SI/I-P), Performance Rating of Ice Storage Bins (new standard)

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE S611 MONYEAR-202x, Collecting, Processing, and Visualizing Geographic Harvest Data (new standard)

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASAE S319.5 MONYEAR-202x, Method of Determining and Expressing Fineness of Feed Materials by Sieving (revision and redesignation of ANSI/ASAE S319.4-2008 (R2022))

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org BSR/ASME B31.12-202x, Hydrogen Piping and Pipelines (revision of ANSI/ASME B31.12-2019)

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | bboddiger@aws.org, www.aws.org BSR/AWS B5.16-202x, Specification for the Qualification of Welding Engineering Personnel (new standard)

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 | cakers@cta.tech, www.cta.tech

BSR/CTA 708-E S-202x Errata, Digital Television (DTV) Closed Captioning Errata (new standard) Interest Categories: CTA and the R4 Video Systems Intelligent Mobility Committee are particularly interested in adding new members (called "users" who acquire video products from those who create them) as well as those with a general interest.

GBI (Green Building Initiative)

PO Box 80010, Portland, 97280 | emarx@thegbi.org, www.thegbi.org

BSR/GBI 01-202X, Green Globes Assessment Protocol for Design, New Construction, and Major Renovations (revision of ANSI/GBI 01-2021)

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 11179-30:2023 [202x], Information technology - Metadata registries (MDR) - Part 30: Basic attributes of metadata (identical national adoption of ISO/IEC 11179-30:2023)

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 11179-31:2023 [202x], Information technology - Metadata registries (MDR) - Part 31: Metamodel for data specification registration (identical national adoption of ISO/IEC 11179-31:2023)

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 11179-32:2023 [202x], Information technology - Metadata registries (MDR) - Part 32: Metamodel for concept system registration (identical national adoption of ISO/IEC 11179-32:2023)

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 11179-33:2023 [202x], Information technology - Metadata registries (MDR) - Part 33: Metamodel for data set registration (identical national adoption of ISO/IEC 11179-33:2023)

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 11770-7:2021 [202x], Information security - Key management - Part 7: Cross-domain passwordbased authenticated key exchange (identical national adoption of ISO/IEC 11770-7:2021)

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 15408-4:2022 [202x], Information security, cybersecurity and privacy protection -Evaluation criteria for IT security - Part 4: Framework for the specification of evaluation methods and activities (identical national adoption of ISO/IEC 15408-4:2022)

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 15408-5:2022 [202x], Information security, cybersecurity and privacy protection - Evaluation criteria for IT security - Part 5: Pre-defined packages of security requirements (identical national adoption of ISO/IEC 15408-5:2022)

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 23090-3:2022 [202x], Information technology - Coded representation of immersive media - Part 3: Versatile video coding (identical national adoption of ISO/IEC 23090-3:2022)

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 23090-6:2021 [202x], Information technology - Coded representation of immersive media - Part 6: Immersive media metrics (identical national adoption of ISO/IEC 23090-6:2021)

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 23090-7:2022 [202x], Information technology - Coded representation of immersive media - Part 7: Immersive media metadata (identical national adoption of ISO/IEC 23090-7:2022)

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 23090-10:2022 [202x], Information technology - Coded representation of immersive media - Part 10: Carriage of visual volumetric video-based coding data (identical national adoption of ISO/IEC 23090-10:2022)

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 27553-1:2022 [202x], Information security, cybersecurity and privacy protection - Security and privacy requirements for authentication using biometrics on mobile devices - Part 1: Local modes (identical national adoption of ISO/IEC 27553-1:2022)

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 29192-8:2022 [202x], Information security - Lightweight cryptography - Part 8: Authenticated encryption (identical national adoption of ISO/IEC 29192-8:2022)

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 17922:2017 [202x], Information technology - Security techniques - Telebiometric authentication framework using biometric hardware security module (identical national adoption of ISO/IEC 17922:2017)

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 22989:2022 [202x], Information technology - Artificial intelligence - Artificial intelligence concepts and terminology (identical national adoption of ISO/IEC 22989:2022)

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 23894:2023 [202x], Information technology - Artificial intelligence - Guidance on risk management (identical national adoption of ISO/IEC 23894:2023)

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 24668:2022 [202x], Information technology - Artificial intelligence - Process management framework for big data analytics (identical national adoption of ISO/IEC 24668:2022)

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 27556:2022 [202x], Information security, cybersecurity and privacy protection - User-centric privacy preferences management framework (identical national adoption of ISO/IEC 27556:2022)

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 27557:2022 [202x], Information security, cybersecurity and privacy protection - Application of ISO 31000:2018 for organizational privacy risk management (identical national adoption of ISO/IEC 27557:2022)

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 27559:2022 [202x], Information security, cybersecurity and privacy protection - Privacy enhancing data de-identification framework (identical national adoption of ISO/IEC 27559:2022)

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 10116:2017/AM1:2021 [202x], Information technology - Security techniques - Modes of operation for an n-bit block cipher - Amendment 1: CTR-ACPKM mode of operation (identical national adoption of ISO/IEC 10116:2017/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 29146:2016/AM1:2022 [202x], Information technology - Security techniques - A framework for access management - Amendment 1 (identical national adoption of ISO/IEC 29146:2016/AM1:2022)

NAAMM (National Association of Architectural Metal Manufacturers)

1533 Pine Grove Lane, Chesapeake, VA 23321 | ifnaamm@gmail.com, www.naamm.org

BSR/NAAMM HMMA 840-202x, Guide Specifications for Receipt, Storage and Installation of Hollow Metal Doors and Frames (revision of ANSI/NAAMM HMMA 840-2017)

NAAMM (National Association of Architectural Metal Manufacturers)

1533 Pine Grove Lane, Chesapeake, VA 23321 | ifnaamm@gmail.com, www.naamm.org BSR/NAAMM MBG 531-202x, Metal Bar Grating Manual (revision of ANSI/NAAMM MBG 531-2017)

NAAMM (National Association of Architectural Metal Manufacturers)

1533 Pine Grove Lane, Chesapeake, VA 23321 | ifnaamm@gmail.com, www.naamm.org BSR/NAAMM MBG 532-202x, Heavy Duty Metal Bar Grating Manual (revision of ANSI/NAAMM MBG 532-2019)

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

BSR/ICEA T-25-425-202x, Guide for Establishing Stability of Volume Resistivity for Semiconducting Polymeric Components of Power Cables (new standard)

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

BSR/ICEA T-32-645-2017 (R202x), Test Method for Establishing Volume Resistivity Compatibility of Water Blocking Components with Extruded Semiconducting Shield Materials (reaffirmation of ANSII/ICEA T-32-645-2017)

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | mike.leibowitz@nema.org, www.nema.org

BSR/NEMA MW 1000-202x, Magnet Wire (revision of ANSI/NEMA MW 1000-2020)

NENA (National Emergency Number Association)

1700 Diagonal Road Suite 500, Suite 500, Alexandria, VA 22314 | crm@nena.org, www.nena.org BSR/NENA STA-040.2-202x, NENA Security for Next Generation 9-1-1 Standard (NG-SEC) (new standard)

NENA (National Emergency Number Association)

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

BSR/NENA STA-048.1-202x, NENA Standard for 9-1-1 Notifications and Coordination with the United States Coast Guard (new standard)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | rbrooker@nsf.org, www.nsf.org BSR/NSF 173-202x (i108r1), Dietary Supplements (revision of ANSI/NSF 173-2021)

SIA (Security Industry Association)

8405 Colesville Road, Suite 500, Silver Spring, MD 20910 | EShen@securityindustry.org, www.siaonline.org BSR/SIA DC-09-202x, SIA Digital Communication Standard - Internet Protocol Event Reporting (new standard)

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 | jing.kwok@vita.com, www.vita.com

BSR/VITA 46.9-2018 (R202x), PMC/XMC Rear I/O Fabric Signal Mapping on 3U and 6U VPX Modules Standard (reaffirmation of ANSI/VITA 46.9-2018)

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 | jing.kwok@vita.com, www.vita.com

BSR/VITA 86-202x, High Voltage Input Sealed Connector Power Supply (revision and redesignation of ANSI/VITA 86 -2019)

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.

ANSI Accredited Standards Developer

ISEA (ASC Z87) - International Safety Equipment Association - Safety Standards for Eye Protection BSR/ISEA Z87.1-202x

Call for the following Interest Categories are sought: User, General Interest, Government, Technical/Professional **BSR/ISEA Z87.1-20xx**, Occupational and Educational Personal Eye and Face Protection Devices Please direct inquiries to: ISEA (International Safety Equipment Association) 1101 Wilson Blvd, Suite 1425, Arlington, VA 22209 | <u>hwoehrle@safetyequipment.org</u>, <u>www.isea.org</u>

Call for Comment of ANS Limited Substantive Changes

ANSI Accredited Standards Developer

NAAMM - National Association of Architectural Metal Manufacturers

ANSI/NAAMM MBG 531-2017 - 30-Day Comment Deadline By April 24, 2023

This Call for Comment of Limited Substantive Changes to the Approved American National Standard is available for review & comment until **April 24, 2023**

ANSI/NAAMM MBG 531-2017

Metal Bar Grating Manual (revision of ANSI/NAAMM MBG 531-2009) This standard was developed by the MBG Division of NAAMM to provide guidance in the selection and use of metal bar grating. An aluminum alloy (6005A-T61) was added to the document post public review which necessitates a new public review. Single copy price: \$25.00 Order copy from: Ike Flory, 1533 Pine Grove Lane, Chesapeake VA, 23321 Send comments (with copy to psa@ansi.org) to: ifnaamm@gmail.com, or if by mail: Ike Flory, 1533 Pine Grove Lane, Chesapeake VA, 23321 Obtain an electronic copy from: https://www.naamm.org/ansi-information

Click here to view these changes in full

Ike Flory Technical Consultant National Association of Architectural Metal Manufacturers (NAAMM) 1533 Pine Grove Lane Chesapeake, VA 23321 p: (630) 942-6591 e: ifnaamm@gmail.com

American National Standards (ANS) Process

Please visit ANSI's website (www.ansi.org) for resources that will help you to understand, administer and participate in the American National Standards (ANS) process. Documents posted at these links are updated periodically as new documents and guidance are developed, whenever ANS-related procedures are revised, and routinely with respect to lists of proposed and approved ANS. The main ANS-related linkis www.ansi.org/asd and here are some direct links as well as highlights of information that is available:

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

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

• ANSI Essential Requirements: Due process requirements for American National Standards (always current edition):

www.ansi.org/essentialrequirements

• ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures):

www.ansi.org/standardsaction

• Accreditation information - for potential developers of American National Standards (ANS):

www.ansi.org/sdoaccreditation

• ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form):

www.ansi.org/asd

- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS:
- www.ansi.org/asd
- American National Standards Key Steps:
- www.ansi.org/anskeysteps
- American National Standards Value:
- www.ansi.org/ansvalue
- ANS Web Forms for ANSI-Accredited Standards Developers:

https://www.ansi.org/portal/psawebforms/

• Information about standards Incorporated by Reference (IBR):

https://ibr.ansi.org/

• ANSI - Education and Training:

www.standardslearn.org

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

AAFS - American Academy of Forensic Sciences

Effective March 15, 2023

The reaccreditation of **AAFS** - **American Academy of Forensic Sciences** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on AAFS-sponsored American National Standards, effective **March 15, 2023**. For additional information, please contact: Teresa Ambrosius, American Academy of Forensic Sciences (AAFS) | 410 North 21st Street, Colorado Springs, CO 80904 | (719) 453-1036, tambrosius@aafs.org

Approval of Reaccreditation – ASD

ULSE - UL Standards & Engagement

Effective March 15, 2023

The reaccreditation of **ULSE - UL Standards & Engagement** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ULSE-sponsored American National Standards, effective **March 15, 2023**. For additional information, please contact: Patricia Sena, UL Standards & Engagement (ULSE) | 12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | (919) 549-1636, patricia.a.sena@ul.org

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

ASSP (ASC A10) - American Society of Safety Professionals, Safety Requirements for Construction and Demolition Operations

Meeting (face-to-face): July 11, 2023

The American Society of Safety Professionals (ASSP) serves as the secretariat of the A10 Committee for Construction and Demolition Operations. The next meeting of the A10 Committee will be held face-to-face on July 11, 2023 in Washington, DC. The meeting will start at approximately 12:30 p.m. and go to conclusion. Interested parties may contact: Tim Fisher, ASSP (ASC A10) p: (847) 768-3411 e: <tfisher@assp.org>

American National Standards Under Continuous Maintenance

The ANSI Essential Requirements: Due Process Requirements for American National Standards provides two options for the maintenance of American National Standards (ANS): periodic maintenance (see clause 4.7.1) and continuous maintenance (see clause 4.7.2). Continuous maintenance is defined as follows:

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with the procedures contained in the ANSI Essential Requirements. The Executive Standards Council (ExSC) has determined that for standards maintained under the Continuous Maintenance option, separate PINS announcements are not required. The following ANSI Accredited Standards Developers have formally registered standards under the Continuous Maintenance option.

AAMI (Association for the Advancement of Medical Instrumentation)

AARST (American Association of Radon Scientists and Technologists)

AGA (American Gas Association)

AGSC (Auto Glass Safety Council)

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

ASME (American Society of Mechanical Engineers)

ASTM (ASTM International)

GBI (Green Building Initiative)

HL7 (Health Level Seven)

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)

ULSE (UL Standards & Engagement)

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

ANSI-Accredited Standards Developers (ASD) Contacts

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

AAFS

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

Teresa Ambrosius tambrosius@aafs.org

AARST

American Association of Radon Scientists and Technologists 527 N. Justice Street Hendersonville, NC 28739 www.aarst.org

Gary Hodgden StandardsAssist@gmail.com

ABYC

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

Emily Parks eparks@abycinc.org

AHRI

Air-Conditioning, Heating, and Refrigeration Institute 2311 Wilson Boulevard, Suite 400 Arlington, VA 22201 www.ahrinet.org

Karl Best kbest@ahrinet.org

ASA (ASC S12)

Acoustical Society of America 1305 Walt Whitman Road, Suite 300 Melville, NY 11747 www.acousticalsociety.org

Raegan Ripley standards@acousticalsociety.org

ASA (ASC S2)

Acoustical Society of America 1305 Walt Whitman Road, Suite 300 Melville, NY 11747 www.acousticalsociety.org

Raegan Ripley standards@acousticalsociety.org

ASABE

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

Carla Companion companion@asabe.org

Jean Walsh walsh@asabe.org

ASHRAE

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

Mark Weber mweber@ashrae.org

Tanisha Meyers-Lisle tmlisle@ashrae.org

Thomas Loxley tloxley@ashrae.org

ASME

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

ansibox@asme.org

ASME

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

Terrell Henry ansibox@asme.org

ASTM

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

Laura Klineburger accreditation@astm.org

AWS

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

Brenda Boddiger bboddiger@aws.org

AWWA

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

Paul Olson polson@awwa.org

B11

B11 Standards, Inc. P.O. Box 690905 Houston, TX 77269 https://www.b11standards.org/

Chris Felinski cfelinski@b11standards.org

CSA

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

Debbie Chesnik ansi.contact@csagroup.org

CTA

Consumer Technology Association 1919 South Eads Street Arlington, VA 22202 www.cta.tech

Catrina Akers cakers@cta.tech

GBI

Green Building Initiative PO Box 80010 Portland, 97280 www.thegbi.org

Emily Marx emarx@thegbi.org

HI

Hydraulic Institute 300 Interpace Parkway, Building A, 3rd Floor, #280 Parsippany, NJ 07054 www.pumps.org

Amy Sisto asisto@pumps.org

HPS (ASC N13)

Health Physics Society 950 Herndon Parkway, Suite 450 Herndon, VA 20170 www.hps.org

Amy Wride-Graney awride-graney@burkinc.com

ICC

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

Karl Aittaniemi kaittaniemi@iccsafe.org

ISA (Organization)

International Society of Automation 3252 S. Miami Blvd, Suite 102 Durham, NC 27703 www.isa.org

Eliana Brazda ebrazda@isa.org

ITI (INCITS)

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

Barbara Bennett comments@standards.incits.org

Deborah Spittle comments@standards.incits.org

NAAMM

National Association of Architectural Metal Manufacturers 1533 Pine Grove Lane Chesapeake, VA 23321 www.naamm.org

Ike Flory ifnaamm@gmail.com

NEMA

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

Michael Leibowitz mike.leibowitz@nema.org

NEMA (ASC C8)

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

Khaled Masri Khaled.Masri@nema.org

NEMTAC

Non Emergency Medical Transportation Accreditation Commission 4381 N. 75th Street, Suite 201 Scottsdale, AZ 85251 www.nemtac.org

Peter Hicks phicks@nemtac.co

NENA

National Emergency Number Association 1700 Diagonal Road Suite 500, Suite 500 Alexandria, VA 22314 www.nena.org

Sandy Dyre crm@nena.org

NFPA

National Fire Protection Association One Batterymarch Park Quincy, MA 02169 www.nfpa.org

Dawn Michele Bellis dbellis@nfpa.org

NSF

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

Allan Rose arose@nsf.org Jason Snider jsnider@nsf.org Monica Milla mmilla@nsf.org Rachel Brooker rbrooker@nsf.org ROHVA Recreational Off-Highway Vehicle Association 2 Jenner Street, Suite 150 Irvine, CA 92618

Ken Glaser kglaser@rohva.org

SIA

Security Industry Association 8405 Colesville Road, Suite 500 Silver Spring, MD 20910 www.siaonline.org

Edison Shen EShen@securityindustry.org

SPRI

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

Linda King info@spri.org

SVIA

Specialty Vehicle Institute of America 2 Jenner, Suite 150 Irvine, CA 92618

Ken Glaser kglaser@svia.org

ULSE

UL Standards & Engagement 12 Laboratory Drive Research Triangle Park, NC 27709 https://ulse.org/

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ULSE

UL Standards & Engagement 333 Pfingsten Road Northbrook, IL 60062 https://ulse.org/

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ULSE

UL Standards & Engagement 47173 Benicia Street Fremont, CA 94538 https://ulse.org/

Derrick Martin Derrick.L.Martin@ul.org

Marcia Kawate Marcia.M.Kawate@ul.org

ULSE

UL Standards & Engagement 9 Burlington Crescent Ottawa, ON K1T3L https://ulse.org/

Celine Eid celine.eid@ul.org

VITA

VMEbus International Trade Association (VITA) 929 W. Portobello Avenue Mesa, AZ 85210 www.vita.com

Jing Kwok jing.kwok@vita.com

ISO & IEC Draft International Standards



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

COMMENTS

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

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

ISO Standards

Agricultural food products (TC 34)

ISO/DIS 7158, Meat and meat products - Determination of nitrite and nitrate content - Ion chromatography method - 6/1/2023, \$46.00

Air quality (TC 146)

ISO/DIS 6323-1, Workplace air - Determination of arsenic and arsenic compounds by electrothermal atomic absorption spectrometry - Part 1: Arsenic and arsenic compounds, except arsine by ET-AAS - 6/4/2023, \$88.00

Aircraft and space vehicles (TC 20)

ISO/DIS 16454, Space systems - Structural design - Stress analysis requirements - 6/2/2023, \$62.00

Anaesthetic and respiratory equipment (TC 121)

ISO/DIS 80601-2-79, Medical electrical equipment - Part 2-79: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory impairment - 6/4/2023, \$165.00

ISO/DIS 80601-2-80, Medical electrical equipment - Part 2-80: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory insufficiency - 6/4/2023, \$165.00

Dentistry (TC 106)

ISO/DIS 15098, Dentistry - Dental tweezers - 6/1/2023, \$58.00

Floor coverings (TC 219)

ISO/DIS 24342, Resilient and textile floor-coverings -Determination of side length, edge straightness and squareness of tiles and planks - 6/5/2023, \$58.00

Gas turbines (TC 192)

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/DIS 3977-9, Gas turbines - Procurement - Part 9: Reliability, availability, maintainability - 6/1/2023, \$82.00

Geosynthetics (TC 221)

ISO/DIS 13426-2, Geotextiles and geotextile-related products -Strength of internal structural junctions - Part 2: Geocomposites - 6/3/2023, \$58.00

Hydrogen energy technologies (TC 197)

ISO/DIS 19880-2, Gaseous hydrogen - Fuelling stations - Part 2: Dispensers and dispensing systems - 6/2/2023, \$102.00

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

ISO 13680:2020/DAmd 1, Amendment 1: Petroleum and natural gas industries - Corrosion-resistant alloy seamless products for use as casing, tubing, coupling stock and accessory material - Technical delivery conditions - 6/8/2023, \$71.00

Packaging (TC 122)

ISO/DIS 7965-1, Packaging - Drop test - Part 1: Paper sacks - 6/2/2023, \$46.00

Paints and varnishes (TC 35)

ISO/DIS 9607-1, Paints and varnishes - Protective coatings for concrete structures - Part 1: General introduction - 6/2/2023, \$53.00

Personal safety - Protective clothing and equipment (TC 94)

- ISO 20345:2021/DAmd 1, Amendment 1: Personal protective equipment - Safety footwear - Amendment 1 - 6/3/2023, \$40.00
- ISO 20346:2021/DAmd 1, Amendment 1: Personal protective equipment - Protective footwear - Amendment 1 - 6/3/2023, \$40.00

ISO 20347:2021/DAmd 1, - Amendment 1: Personal protective equipment - Occupational footwear - Amendment 1 - 6/3/2023, \$40.00

Petroleum products and lubricants (TC 28)

- ISO/DIS 6963, Bunker cargo loading from oil terminal to bunker tanker using Coriolis mass flow meter 6/4/2023, \$93.00
- ISO/DIS 4266-2, Petroleum and liquid petroleum products -Measurement of level and temperature in storage tanks by automatic methods - Part 2: Measurement of level in marine vessels - 6/2/2023, \$58.00

Plastics (TC 61)

ISO/DIS 14900, Plastics - Polyols for use in the production of polyurethanes - Determination of hydroxyl number - 6/2/2023, \$58.00

Rubber and rubber products (TC 45)

ISO/DIS 6224, Thermoplastics hoses, textile-reinforced, for general-purpose water applications - Specification - 6/5/2023, \$46.00

Sustainable development in communities (TC 268)

ISO/DIS 37124, Sustainable cities and communities - Guidance on the use of ISO 37120 series of standards for cities - ISO 37120, ISO 37122 and ISO 37123 - 6/3/2023, \$88.00

Tobacco and tobacco products (TC 126)

ISO/DIS 9322, Material used for producing wrappings for cigarette filters, cigarettes and other tobacco products -Determination of acetate and citrate - Ion chromatographic method - 6/4/2023, \$40.00

Tyres, rims and valves (TC 31)

ISO/DIS 14960-2, Tubeless tyres - Valves and components - Part 2: Clamp-in tubeless tyre valve-test methods - 6/5/2023, \$58.00

Welding and allied processes (TC 44)

- ISO/DIS 10882-1, Health and safety in welding and allied processes - Sampling of airborne particles and gases in the operators breathing zone - Part 1: Sampling of airborne particles - 6/3/2023, \$107.00
- ISO/DIS 10882-2, Health and safety in welding and allied processes - Sampling of airborne particles and gases in the operators breathing zone - Part 2: Sampling of gases -6/2/2023, \$82.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 5152, Information Technology - Biometric performance estimation methodologies using statistical models - 6/3/2023, \$82.00

- ISO/IEC DIS 5927, Augmented and Virtual Reality safety -Guidance on safe immersion, set up and usage - 6/3/2023, \$93.00
- ISO/IEC DIS 24778, Information technology Automatic identification and data capture techniques Aztec Code bar code symbology specification 6/2/2023, \$119.00
- ISO/IEC DIS 23773-3, Information technology User interfaces for automatic simultaneous interpretation system - Part 3: System architecture - 6/1/2023, \$58.00

Other

ISO/IEC DIS 80079-41, Explosive atmospheres - Part 41: Reciprocating internal combustion engines - 5/15/2023, \$175.00

IEC Standards

All-or-nothing electrical relays (TC 94)

- 94/844/CD, IEC 61810-7-36 ED1: Electrical relays Tests and Measurements - Part 7-36: Fire hazard, 05/12/2023
- 94/845/CD, IEC 61810-7-37 ED1: Electrical relays Tests and Measurements - Part 7-37: Terminal temperature rise at rated load, 05/12/2023
- 94/846/CD, IEC 61810-7-6 ED1: Electrical relays Tests and Measurements - Part 7-6: Contact-circuit resistance (or voltage drop), 05/12/2023
- 94/843/FDIS, IEC 61812-1 ED3: Time relays and coupling relays for industrial and residential use Part 1: Requirements and tests, 04/28/2023

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

100/3880/CDV, IEC 60268-24 ED1: Sound System Equipment -Part 24: Headphones and earphones - active acoustic noise cancelling characteristics, 06/09/2023

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

- 46C/1256/FDIS, IEC 61156-13 ED1: Multicore and symmetrical pair/quad cables for digital communications - Part 13: Symmetrical single pair cables with transmission characteristics up to 20 MHz - Horizontal floor wiring - Sectional specification, 04/28/2023
- 46C/1257/FDIS, IEC 62783-1 ED2: Twinax cables for digital communications Part 1: Generic specification, 04/28/2023

Electric road vehicles and electric industrial trucks (TC 69)

69/881(F)/FDIS, IEC 61980-2 ED1: Electric vehicle wireless power transfer (WPT) systems - Part 2: Specific requirements for MF-WPT system communication and activities, 04/07/2023

Electrical accessories (TC 23)

23E/1315/NP, PNW 23E-1315 ED1: CDD Database - Circuitbreakers and similar equipment for household use, 06/09/2023

Electrical apparatus for explosive atmospheres (TC 31)

- 31/1691/CD, IEC/IEEE 60079-30-1 ED2: Explosive atmospheres - Part 30-1: Electrical resistance trace heating - General and testing requirements, 06/09/2023
- 31/1693/CD, IEC/IEEE 60079-30-2 ED2: Explosive atmospheres - Part 30-2: Electrical resistance trace heating - Application guide for design, installation and maintenance, 06/09/2023

Electrical equipment in medical practice (TC 62)

- 62D/2019/CDV, IEC 60601-2-40 ED3: Medical electrical equipment - Part 2-40: Particular requirements for the basic safety and essential performance of electromyographs and evoked response equipment, 06/09/2023
- 62D/2038/CDV, ISO 80369-20 ED2: Small-bore connectors for liquids and gases in healthcare applications Part 20: Common test methods, 06/09/2023

Electrical installations for the lighting and beaconing of aerodromes (TC 97)

97/253(F)/FDIS, IEC 61820-3-4 ED1: Electrical installations for lighting and beaconing of aerodromes - Part 3-4: Safety secondary circuits in series circuits - General safety requirements, 04/21/2023

Electromechanical components and mechanical structures for electronic equipments (TC 48)

- 48B/3034/FDIS, IEC 61076-3-106 ED2: Connectors for electrical and electronic equipment - Product requirements - Part 3-106: Rectangular connectors - Detail specification for protective housings for use with 8-way shielded and unshielded connectors for industrial environments incorporating the IEC 60603-7 series interface, 04/28/2023
- 48B/3033/FDIS, IEC 63171-7 ED1: Connectors for electrical and electronic equipment - Part 7: Detail specification for up to 7 ways including PE or FE (data/power) and shield pin, free and fixed circular connectors for balanced single-pair data transmission with current-carrying capacity - Mechanical mating information, pin assignment and additional requirements for type 7, 04/28/2023

Environmental standardization for electrical and electronic products and systems (TC 111)

111/698/NP, PNW 111-698 ED1: Guidelines for end-of-life information provided by manufacturers and recyclers and for recyclability rate calculation of electrical and electronic equipment, 06/09/2023

Fibre optics (TC 86)

- 86A/2290/CDV, IEC 60794-1-201 ED1: Optical fibre cables Part 1-201: Generic specification - Basic optical cable test procedures - Temperature cycling, Method F1, 06/09/2023
- 86A/2291/CDV, IEC 60794-1-209 ED1: Optical fibre cables Part 1-209: Generic specification - Basic optical cable test procedures - Environmental test methods - Ageing, Method F9, 06/09/2023
- 86A/2315/CD, IEC TR 63442 ED1: Guidelines for the assessment of rodent resistance for optical fibre cable, 06/09/2023

Flat Panel Display Devices (TC 110)

- 110/1495/CDV, IEC 62977-2-7 ED1: Electronic displays Part 2 -7: Measurements of optical characteristics - Tiled displays, 06/09/2023
- 110/1511/CD, IEC TR 62595-1-6 ED1: Display light unit- Part 1 -6: Quantum dot films and quantum dot diffuser plates used in backlight unit, 05/12/2023
- 110/1508/NP, PNW 110-1508 ED1: Flexible display devices -Part 6-43: Deformation measurement of rollable display, 05/12/2023

Industrial-process measurement and control (TC 65)

- 65/995/FDIS, IEC 63376 ED1: Industrial Facility Energy Management Systems (FEMS) - Functions and Information Flows, 04/28/2023
- 65C/1251/CD, IEC/IEEE 60802 ED1: Time-sensitive networking profile for industrial automation, 05/12/2023
- 65C/1253/NP, PNW 65C-1253 ED1: OPC Unified Architecture -Part 15: Safety, 06/09/2023

Instrument transformers (TC 38)

38/719/NP, PNW 38-719 ED1: IEC/IEEE 61869-21 ED1: Instrument transformers - Part 21: Uncertainty evaluation in the calibration of Instrument Transformers, 04/14/2023

Lamps and related equipment (TC 34)

- 34B/2173/CD, IEC 61184/AMD2 ED4: Amendment 2 Bayonet lampholders, 06/09/2023
- 34/1012/CDV, IEC 62386-302/AMD1 ED1: Amendment 1 -Digital addressable lighting interface - Part 302: Particular requirements - Input devices - Absolute input devices, 06/09/2023
- 34/1013/CDV, IEC 62386-303/AMD1 ED1: Amendment 1 -Digital addressable lighting interface - Part 303: Particular requirements - Input devices - Occupancy sensor, 06/09/2023

34/1014/CDV, IEC 62386-304/AMD1 ED1: Amendment 1 -Digital addressable lighting interface - Part 304: Particular requirements - Input devices - Light sensor, 06/09/2023

Lightning protection (TC 81)

81/723(F)/FDIS, IEC 62561-6 ED3: Lightning protection system components (LPSC) - Part 6: Requirements for lightning strike counters (LSCs), 03/31/2023

Magnetic alloys and steels (TC 68)

68/736/CDV, IEC 60404-8-3 ED4: Magnetic materials - Part 8-3: Specifications for individual materials - Cold-rolled electrical non-alloyed and alloyed steel sheet and strip delivered in the semi-processed state, 06/09/2023

Maritime navigation and radiocommunication equipment and systems (TC 80)

- 80/1064/CDV, IEC 61162-1 ED6: Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 1: Single talker and multiple listeners, 06/09/2023
- 80/1065/CDV, IEC 61162-2 ED2: Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 2: Single talker and multiple listeners, high-speed transmission, 06/09/2023
- 80/1066/CDV, IEC 61162-450 ED3: Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 450: Multiple talkers and multiple listeners - Ethernet interconnection, 06/09/2023

Nuclear instrumentation (TC 45)

45A/1468/CDV, IEC/IEEE 62582-3 ED2: Nuclear power plants -Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 3: Elongation at break, 06/09/2023

Power system control and associated communications (TC 57)

- 57/2578(F)/FDIS, 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, 04/07/2023
- 57/2582/NP, PNW TS 57-2582 ED1: Communication networks and systems for power utility automation - IEC 61850-7-410 WG18 Use Cases for Dynamic Data model, 06/09/2023

Power transformers (TC 14)

14/1105/FDIS, IEC 60076-19-1 ED1: Power transformers - Part 19 - 1: Rules for the determination of uncertainties in the measurement of the losses of power transformers, 04/28/2023

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

- 116/655/FDIS, IEC 63241-1 ED1: Electric motor-operated tools -Dust measurement procedure - Part 1: General requirements, 04/28/2023
- 116/654/FDIS, IEC 63241-2-6 ED1: Electric motor-operated tools - Dust measurement procedure - Part 2-6: Particular requirements for hand-held hammers, 04/28/2023

Safety of machinery - Electrotechnical aspects (TC 44)

- 44/998/CD, IEC 61496-3 ED4: Safety of machinery Electrosensitive protective equipment - Part 3: Particular requirements for active opto-electronic protective devices responsive to diffuse Reflection (AOPDDR), 06/09/2023
- 44/997/CD, IEC 62046 ED2: Safety of machinery Application of protective equipment to detect the presence of persons, 06/09/2023

Secondary cells and batteries (TC 21)

21A/829/CDV, IEC 61960-4 ED2: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary lithium cells and batteries for portable applications - Part 4: Coin secondary lithium cells, and batteries made from them, 06/09/2023

Semiconductor devices (TC 47)

47A/1152(F)/FDIS, IEC 61967-8 ED2: Integrated circuits -Measurement of electromagnetic emissions - Part 8: Measurement of radiated emissions - IC stripline method, 04/07/2023

Standard voltages, current ratings and frequencies (TC 8)

- 8A/124/CD, IEC TR 63411 ED1: Grid Connection of Offshore Wind via VSC-HVDC System, 05/12/2023
- 8B/165/DTS, IEC TS 62898-1/AMD1 ED1: Amendment 1 -Microgrids - Part 1: Guidelines for microgrid projects planning and specification, 06/09/2023
- 8B/164/DTS, IEC TS 62898-2/AMD1 ED1: Amendment 1 -Microgrids - Part 2: Guidelines for operation, 06/09/2023

Surface mounting technology (TC 91)

91/1848A/NP, PNW 91-1848 ED1: Fixed folding Durability test method for flexible opto-electric circuit boards, 05/26/2023

Switchgear and controlgear (TC 17)

17/1136/DTS, IEC TS 62271-5 ED1: High-voltage switchgear and controlgear - Part 5: Common specifications for direct current switchgear, 06/09/2023

Switchgear and Controlgear and Their Assemblies for Low Voltage (TC 121)

121B/173(F)/FDIS, IEC 61439-5 ED3: Low-voltage switchgear and controlgear assemblies - Part 5: Assemblies for power distribution in public networks, 04/07/2023

(TC)

SyCSmartCities/288/CD, IEC SRD 63273-2 ED1: Systems Reference Deliverable (SRD) - Use Case Collection and Analysis: City Information Modelling - Part 2: Use Case Analysis, 06/09/2023

Wind turbine generator systems (TC 88)

- 88/945/NP, PNW TS 88-945 ED1: Wind energy generation systems - Part 50-5:Use of scanning doppler lidars for wind measurements, 06/09/2023
- 88/946/NP, PNW TS 88-946 ED1: Wind energy generation systems - Part 28-3: Operation assessment and repowering of wind turbine generator systems in service, 06/09/2023
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

Environmental management (TC 207)

ISO 14083:2023, Greenhouse gases - Quantification and reporting of greenhouse gas emissions arising from transport chain operations, \$263.00

Fertilizers and soil conditioners (TC 134)

ISO 6181:2023, Fertilizers and soil conditioners - Liquid methylene-urea slow release fertilizers - General requirements, \$51.00

Industrial automation systems and integration (TC 184)

- ISO 23704-3:2023, General requirements for cyber-physically controlled smart machine tool systems (CPSMT) - Part 3: Reference architecture of CPSMT for additive manufacturing, \$237.00
- ISO 8000-51:2023, Data quality Part 51: Data governance: Exchange of data policy statements, \$77.00

Materials for the Production of Primary Aluminium (TC 226)

ISO 17499:2023, Carbonaceous materials used in the production of aluminium - Determination of baking level expressed by equivalent temperature, \$77.00

Paints and varnishes (TC 35)

ISO 20567-4:2023, Paints and varnishes - Determination of stone-chip resistance of coatings - Part 4: Mobile multi-impact testing on a small testing area, \$77.00

Plain bearings (TC 123)

ISO 3548-3:2023, Plain bearings - Thin-walled half bearings with or without flange - Part 3: Determination of the peripheral length, \$210.00

Plastics and rubber machines (TC 270)

ISO 23582-1:2023, Plastics and rubber machines - Clamping systems - Part 1: Safety requirements for magnetic clamping systems, \$77.00

Sludge recovery, recycling, treatment and disposal (TC 275)

ISO 19388:2023, Sludge recovery, recycling, treatment and disposal - Requirements and recommendations for the operation of anaerobic digestion facilities, \$210.00

Soil quality (TC 190)

ISO 16387:2023, Soil quality - Effects of contaminants on Enchytraeidae (Enchytraeus sp.) - Determination of effects on reproduction, \$157.00

ISO Technical Specifications

Document imaging applications (TC 171)

ISO/TS 24064:2023, Document management - Portable document format - RichMedia annotations conforming to the ISO 10303-242 (STEP AP 242) specification, \$77.00

Health Informatics (TC 215)

ISO/TS 20440:2023, Health informatics - Identification of medicinal products - Implementation guidelines for ISO 11239 data elements and structures for the unique identification and exchange of regulated information on pharmaceutical dose forms, units of presentation, routes of administration and packaging, \$210.00

ISO/IEC JTC 1, Information Technology

- ISO/IEC 29128-1:2023, Information security, cybersecurity and privacy protection - Verification of cryptographic protocols - Part 1: Framework, \$116.00
- ISO/IEC 29168-1:2023, Information technology Open systems interconnection - Part 1: Object identifier resolution system, \$157.00
- ISO/IEC 30161-2:2023, Internet of Things (IoT) Data exchange platform for IoT services - Part 2: Transport interoperability between nodal points, \$157.00

IEC Standards

Industrial-process measurement and control (TC 65)

- IEC 61158-1 Ed. 3.0 b:2023, Industrial communication networks -Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series, \$417.00
- IEC 61158-3-4 Ed. 4.0 en:2023, Industrial communication networks - Fieldbus specifications - Part 3-4: Data-link layer service definition - Type 4 elements, \$234.00
- IEC 61158-3-24 Ed. 2.0 en:2023, Industrial communication networks - Fieldbus specifications - Part 3-24: Data-link layer service definition - Type 24 elements, \$278.00

- IEC 61158-5-26 Ed. 2.0 en:2023, Industrial communication networks - Fieldbus specifications - Part 5-26: Application layer service definition - Type 26 elements, \$455.00
- IEC 61158-6-27 Ed. 1.0 b:2023, Industrial communication networks - Fieldbus Specifications Part 6-27: Application layer protocol specification - Type 27 elements, \$512.00

Lamps and related equipment (TC 34)

IEC 62386-150 Ed. 1.0 b:2023, Digital addressable lighting interface - Part 150: Particular requirements - Auxiliary power supply, \$51.00

Performance of household electrical appliances (TC 59)

- IEC 60350-1 Ed. 3.0 b:2023, Household electric cooking appliances - Part 1: Ranges, ovens, steam ovens and grills -Methods for measuring performance, \$417.00
- S+ IEC 60350-1 Ed. 3.0 en:2023 (Redline version), Household electric cooking appliances - Part 1: Ranges, ovens, steam ovens and grills - Methods for measuring performance, \$543.00

Power system control and associated communications (TC 57)

IEC 62488-2 Ed. 1.0 b Cor.2:2023, Corrigendum 2 - Power line communication systems for power utility applications - Part 2: Analogue power line carrier terminals or APLC, \$0.00

Rotating machinery (TC 2)

IEC 60034-7 Ed. 3.0 b Cor.1:2023, Corrigendum 1 - Rotating electrical machines - Part 7: Classification of types of construction, mounting arrangements and terminal box position (IM Code), \$0.00

Semiconductor devices (TC 47)

- IEC 60747-18-4 Ed. 1.0 en:2023, Semiconductor devices Part 18-4: Semiconductor bio sensors - Evaluation method of noise characteristics of lens-free CMOS photonic array sensors, \$95.00
- IEC 60747-18-5 Ed. 1.0 en:2023, Semiconductor devices Part 18-5: Semiconductor bio sensors - Evaluation method for light responsivity characteristics of lens-free CMOS photonic array sensor package modules by incident angle of light, \$95.00

Switchgear and controlgear (TC 17)

- IEC 62271-110 Ed. 5.0 b:2023, High-voltage switchgear and controlgear Part 110: Inductive load switching, \$278.00
- S+ IEC 62271-110 Ed. 5.0 en:2023 (Redline version), Highvoltage switchgear and controlgear - Part 110: Inductive load switching, \$362.00

Wearable electronic devices and technologies (TC 124)

- IEC 63203-204-1 Ed. 2.0 b:2023, Wearable electronic devices and technologies - Part 204-1: Electronic textile - Test method for assessing washing durability of e-textile products, \$51.00
- S+ IEC 63203-204-1 Ed. 2.0 en:2023 (Redline version), Wearable electronic devices and technologies - Part 204-1: Electronic textile - Test method for assessing washing durability of e-textile products, \$66.00

Accreditation Announcements (U.S. TAGs to ISO)

Public Review of Application for Accreditation of a U.S. TAG to ISO

TC 287, Sustainable processes for wood and wood-based products

Comment Deadline: April 24, 2023

ASTM International has submitted an Application for Accreditation for a new proposed U.S. Technical Advisory Group (TAG) to ISO TC 287, Sustainable processes for wood and wood-based products, and a request for approval as TAG Administrator. The proposed TAG intends to operate using the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures. To obtain a copy of the TAG application or to offer comments, please contact: Melissa Marcinowski, ASTM International: P: (610) 832-9626 E: MMarcinowski@astm.org. Please submit any comments to ASTM International by April 24, 2023 (please copy (jthompso@ANSI.org)

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Specialty metals and minerals

Comment Deadline: April 10, 2023

AFNOR, the ISO member body for France, has submitted to ISO a proposal for a new field of ISO technical activity on Specialty metals and minerals, with the following scope statement:

Standardization in the field of specialty metals and minerals. It includes: terminology, classification, sampling, testing and chemical analysis methods, and delivery conditions.

A list of specialty metals and minerals is included as follows: antimony, beryllium, cobalt, chromium, graphite, niobium, platinum group metals.

Excluded:

- Finished products;
- Sustainability issues;
- Mining, already covered by ISO/TC 82 "Mining";
- Elements already covered by existing ISO technical committees: ISO/TC 18 "Zinc and zinc alloys",

ISO/TC 20/SC 18 "Materials" (under ISO/TC 20 "Aircraft and space vehicles"), ISO/TC 26 "Copper and copper alloys", ISO/TC 79 "Light metals" (aluminum, titanium, magnesium), ISO/TC 132 "Ferroalloys" (manganese, chrome in ferroalloys), ISO/TC 155 "Nickel and nickel alloys", ISO/TC 183 "Copper, lead, zinc and nickel ores and concentrates", ISO/TC 298 "Rare earth", ISO/TC 333 "Lithium".

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (<u>isot@ansi.org</u>), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Monday, April 10, 2023.

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, trade associations, U.S domiciled standards development organizations and conformity assessment bodies, consumers, or U.S. government agencies 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 to the WTO Secretariat in Geneva, Switzerland proposed technical regulations that may significantly affect trade. In turn, the Secretariat circulates the notifications along with the full texts. 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 Enquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Enquiry Point relies on the WTO's ePing SPS&TBT platform to distribute the notified proposed foreign technical regulations (notifications) and their full texts available to U.S. stakeholders. Interested U.S. parties can register with ePing to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them. The USA WTO TBT Enquiry 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 prior to submitting comments. For nonnotified foreign technical barriers to trade for non-agricultural products, stakeholders are encouraged to reach out as early as possible to the Office of Trade Agreements Negotiations and Compliance (TANC) in the International Trade Administration (ITA) at the Department of Commerce (DOC), which specializes in working with U.S. stakeholders to remove unfair foreign government-imposed trade barriers. The U.S. Department of Agriculture's Foreign Agricultural Service actively represents the interests of U.S. agriculture in the WTO committees on Agriculture, Sanitary and Phytosanitary (SPS) measures and Technical Barriers to Trade (TBT). FAS alerts exporters to expected changes in foreign regulations concerning food and beverage and nutrition labeling requirements, food packaging requirements, and various other agriculture and food related trade matters. Working with other Federal agencies and the private sector, FAS coordinates the development and finalization of comments on measures proposed by foreign governments to influence their development and minimize the impact on U.S. agriculture exports. FAS also contributes to the negotiation and enforcement of free trade agreements and provides information about tracking regulatory changes by WTO Members. The Office of the United States Trade Representative (USTR) WTO & Multilateral Affairs (WAMA) office has responsibility for trade discussions and negotiations, as well as policy coordination, on issues related technical barriers to trade and standards-related activities.

Online Resources:

WTO's ePing SPS&TBT platform: https://epingalert.org/

Register for ePing: https://epingalert.org/en/Account/Registration

WTO committee on Agriculture, Sanitary and Phytosanitary (SPS) measures:

https://www.wto.org/english/tratop_e/sps_e/sps_e.htm

WTO Committee on Technical Barriers to Trade (TBT): <u>https://www.wto.org/english/tratop_e/tbt_e/tbt_e.htm</u> USA TBT Enquiry Point: <u>https://www.nist.gov/standardsgov/usa-wto-tbt-enquiry-point</u> Comment guidance:

https://www.nist.gov/standardsgov/guidance-us-stakeholders-commenting-notifications-made-wto-members-tbt-committee NIST: https://www.nist.gov/

TANC: https://www.trade.gov/office-trade-agreements-negotiation-and-compliance-tanc

Examples of TBTs: https://tcc.export.gov/report a barrier/trade barrier examples/index.asp.

Report Trade Barriers: https://tcc.export.gov/Report_a_Barrier/index.asp.

USDA FAS: https://www.fas.usda.gov/about-fas

FAS contribution to free trade agreements: <u>https://www.fas.usda.gov/topics/trade-policy/trade-agreements</u> Tracking regulatory changes: <u>https://www.fas.usda.gov/tracking-regulatory-changes-wto-members</u>

USTR WAMA: https://ustr.gov/trade-agreements/wto-multilateral-affairs/wto-issues/technical-barriers-trade

Contact the USA TBT Enquiry Point at (301) 975-2918; E <u>usatbtep@nist.gov</u> or <u>notifyus@nist.gov</u>.

Harmonization effort for AARST nee construction standards CCAH and CC-1000 *Continuous maintenance efforts to improve these standards are currently ongoing.*

These proposed revisions for public review, as underlined in red text, are modifications to previous publicly reviewed revisions indicated by black text.

These provisions relate to public health concerns. They are intended to help ensure contractors have an appropriate degree of technical, engineering, and scientific knowledge to protect occupants by successfully reducing hazards associated with *radon gas*.

The latest published versions of those standards are available for comparison at <u>www.standards.aarst.org</u> where all ANSI/AARST standards can be found for review at no charge and for purchase.

The current mitigation standards committee roster (consensus body) can be linked to from <u>www.standards.aarst.org/public-review</u>. The current work project includes (1) harmonization, where possible, for all portions of these documents to read the same for the same tasks; (2) update based on new experiences, and (3) renderings that are more conductive to stakeholders who are involved in compliance assessment.

AARST Consortium on National Standards

Website: <u>www.standards.aarst.org</u> Email: <u>StandardsAssist@gmail.com</u>

527 N Justice Street, Hendersonville, NC 28739

Proposed Maintenance Updates 03/23 for AARST CCAH Reducing Radon in New Construction of 1 & 2 Family Dwellings and Townhouses

CERTIFIED. A designation determined by jurisdictions having authority who evaluate individuals for radonspecific technical knowledge and skills relative to radon mitigation services, radon measurement services, and those who evaluate the quality of radon laboratory services. applied to individuals or companies that meet qualification requirements or are authorized by the state or other jurisdiction to provide radon laboratory, measurement, or mitigation services. Alternatively, a designation applied to *radon* laboratories, measurement and mitigation professionals <u>complying with certification or listing requirements established</u> by a private sector program that is compliant with that meet current national qualification requirements established by the National Radon Proficiency Program (NRPP), the National Radon Safety Board (NRSB) or an equivalent national program as defined in Normative Appendix B. Also see LICENSED.

302.3 System Coverage Area

Additional *radon control system rough-Ins*, with an independent exhaust pipe extending from the *soil gas collection plenum* to the roof shall be installed where the total foundation area exceeds the Maximum Coverage Area shown in Table 302.3 and each multiple thereof or as specified by a *certified*/*licensed radon* mitigation professional.

1101.1 Radon Testing.

A radon test shall be performed after activation of *rough-in* systems with an *ASD fan* by a *certified/licensed* radon measurement professional. Testing shall be performed in accordance with AARST/ ANSI MAH (Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes) or applicable state protocols or requirements.

APPENDIX B. NATIONAL CERTIFICATION/LISTING PROGRAMS

Equivalent national programs for credentialing radon service providers are defined as:

For private sector certifications or listings, this standard requires a national program that evaluates and lists qualified individuals, training courses and other products or services, such as laboratory services, integral to achieving public health goals intended by this standard. Programs meeting the purpose, need and requirements of this standard are those with policies as established in a), b) and c) of this Appendix B.

- <u>a) Programs with published policies that:</u>
 - a) <u>1.</u> require persons to undergo education and an impartial examination process prior to granting personal certification or certificates of educational achievement;
 - c) 2. require surveillance of continued competence, not less than as demonstrated by continuing education on standards updates, compliance and other related technical knowledge and skills, prior to granting recertification or renewed certificates or listings; and
 - 3. require, for the certification of radon measurement laboratories, initial demonstration and scheduled ongoing surveillance of compliance with ANSI/AARST MS-QA (Radon Measurement Systems Quality Assurance).
- b) Programs that:
 - b) <u>1.</u> have a written policy and means for receiving and adjudicating complaints against individuals <u>and companies</u> who have been granted a credential; and
 - 2. have publicly published educational and examination requirements for each credential or listing available online where readily accessible for consumers of credentialed services.
- d) Programs that include educational prerequisites as follow:
 - <u>1</u>. Qualified Mitigation Professionals–Homes

Certifications granted by equivalent national programs that qualify individuals as proficient in designing radon *mitigation* systems in existing homes are to include:

- <u>a.</u> no less than 32 hours or more education prior to granting certification that focuses on tasks required in this standard, ANSI/AARST SGM-SF (Soil Gas Mitigation Standards for Existing Homes); and
- b. required biennial recertifications after completing continuing education requirements and any other program surveillance activities.

no less than 16 hours continuing education biennially prior to granting recertification.

2. Qualified Radon Measurement Professional—Homes

Certifications granted by equivalent national programs that qualify individuals as proficient in conducting radon measurements in existing homes require:

- <u>a.</u> no less than 16 hours or more education prior to granting certification that focuses on tasks required in ANSI/AARST MAH (Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes); and
- b. biennial recertifications after completing continuing education requirements and any other program surveillance activities.

no less than 16 hours continuing education biennially prior to granting recertification.

<u>Informative Note 1—The</u> National Radon Proficiency Program (NRPP), the National Radon Safety Board (NRSB), or equivalent programs <u>that also meet requirements of a</u>), <u>b</u>) and <u>c</u>) of this Section 13.1 meet the requirements of this standard.

<u>Note that</u> identification of existing certification bodies is not an endorsement of their programs.

Informative Note 2—The purpose of requirements in this Section 13.1 is to ensure contractors have an appropriate degree of technical, engineering, and scientific knowledge to protect occupants by successfully reducing hazards associated with *radon gas*, chemical vapors or other soil gases that are present in indoor air.

Harmonization effort for AARST new construction standards CCAH and CC-1000 *Continuous maintenance efforts to improve these standards are currently ongoing.*

These proposed revisions for public review, as underlined in red text, are modifications to previous publicly reviewed revisions indicated by black text.

These provisions relate to public health concerns. They are intended to help ensure contractors have an appropriate degree of technical, engineering, and scientific knowledge to protect occupants by successfully reducing hazards associated with *radon gas*, chemical vapors or other soil gases that are present in indoor air.

The latest published versions of those standards are available for comparison at <u>www.standards.aarst.org</u> where all ANSI/AARST standards can be found for review at no charge and for purchase.

The current mitigation standards committee roster (consensus body) can be linked to from <u>www.standards.aarst.org/public-review</u>. The current work project includes (1) harmonization, where possible, for all portions of these documents to read the same for the same tasks; (2) update based on new experiences, and (3) renderings that are more conductive to stakeholders who are involved in compliance assessment.

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Proposed Maintenance Updates 03/23 for AARST CC-1000

2.0 Terms and Definitions

2.23 qualified mitigation professional, n—<u>As determined by jurisdictions having authority who</u> <u>evaluate individuals for specific technical knowledge and skills relative to mitigation of</u> radon or vapor intrusion soil gas hazards, or as defined in Section 13.1.

SECTION 13: NORMATIVE APPENDICES AND REFERENCES

13.1 National Certification/Listing Programs

For private sector certifications <u>or listings</u> of *qualified mitigation professionals* identified in Sections 7.1, 7.2-3, and 11.3.1, this standard requires a national program that evaluates and lists qualified individuals, training courses and other products or services, such as laboratory services, integral to achieving public health goals intended by this standard. Programs meeting the purpose, need and requirements of this standard are those with policies as established in a), b) and c) of this Section 13.1.

- 13.1.1 Certification requirements shall meet those established by the National Radon Proficiency Program (NRPP), the National Radon Safety Board (NRSB) or an equivalent national program. Note—Identification of two existing and competing certification bodies is not an endorsement of either program.
- **13.1.2** Equivalent national programs are programs with published policies that:
 - a) Programs with published policies that:
 - a) <u>1.</u> require persons to undergo education and an impartial examination process prior to granting personal certification or certificates of educational achievement; and
 - c) 2. require surveillance of continued competence, not less than as demonstrated by continuing education on standards updates, compliance and other related technical knowledge and skills, prior to granting recertification or renewed certificates or listings; and
 - 3. require, for the certification of radon measurement laboratories, initial demonstration and scheduled ongoing surveillance of compliance with ANSI/AARST MS-QA (Radon Measurement Systems Quality Assurance).
 - b) Programs that:
 - b) <u>1.</u> have a written policy and means for receiving and adjudicating complaints against individuals or companies who have been granted a credential; and
 - 2. have publicly published educational and examination requirements for each credential or listing available online where readily accessible for consumers of credentialed services.

D-1.3 Equivalent educational requirements

Equivalent certification requirements include educational prerequisites as follow:

- 13.1.3 Certifications granted that qualify individuals as proficient in designing radon or soil gas mitigation systems require no less than 32 hours or more education, to include a focus on tasks required in ANSI/AARST SGM-SF (Soil Gas Mitigation Standards for Existing Homes), and no less than 16 hours continuing education biennially prior to granting recertification.
 - c) Programs that include educational prerequisites as follow:
 - a) 1. Qualified Radon or Soil Gas Mitigation Professionals—Homes

Certifications granted by equivalent national programs that qualify individuals as proficient in designing radon <u>or soil gas (vapor intrusion)</u> *mitigation* systems <u>in</u> existing homes are to include:

- <u>a.</u> no less than 32 hours or more education prior to granting certification that focuses on tasks required in ANSI/AARST SGM-SF (Soil Gas Mitigation Standards for Existing Homes); and
- b. biennial recertifications after completing continuing education requirements and any other program surveillance activities.

no less than 16 hours continuing education biennially prior to granting recertification.

<u>Informative Note 1—The</u> National Radon Proficiency Program (NRPP), the National Radon Safety Board (NRSB), or equivalent programs <u>that also meet requirements of a</u>), <u>b</u>) and <u>c</u>) of this Section 13.1 meet the requirements of this standard.

<u>Note that</u> identification of existing certification bodies is not an endorsement of their programs.

Informative Note 2—The purpose of requirements in this Section 13.1 is to ensure contractors have an appropriate degree of technical, engineering, and scientific knowledge to protect occupants by successfully reducing hazards associated with *radon gas*, chemical vapors or other soil gases that are present in indoor air.

Harmonization effort for AARST measurement standards:

MAH and MA-MFLB (i.e., MAMF and MALB consolidated into a single SGM-MFLB publication for 2023)

Continuous maintenance efforts to improve these standards are currently ongoing.

These proposed revisions for public review, as underlined in red text, are modifications to previous publicly reviewed revisions indicated by black text.

These provisions relate to public health concerns. They are intended to help ensure contractors have an appropriate degree of technical, engineering, and scientific knowledge to protect occupants by providing reliable measurements of *radon gas* present in indoor air.

The latest published versions of those standards are available for comparison at <u>www.standards.aarst.org</u> where all ANSI/AARST standards can be found for review at no charge and for purchase.

The current mitigation standards committee roster (consensus body) can be linked to from <u>www.standards.aarst.org/public-review</u>. The current work project includes (1) harmonization, where possible, for all portions of these documents to read the same for the same tasks; (2) update based on new experiences, and (3) renderings that are more conductive to stakeholders who are involved in compliance assessment.

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Proposed Maintenance Updates 03/23 for AARST MA-MFLB (i.e., MAMF and MALB consolidated into a single MA-MFLB publication for 2023)

Protocol for Conducting Measurements of Radon and Radon Decay Products in Multifamily, School, Commercial and Mixed-Use Buildings

2.3.1 Approved test devices required

All test devices used for deciding if mitigation is warranted shall be devices that are listed by one of the following authorities:

- <u>a)</u> As required by local jurisdictions that have a program for evaluating and approving devices; or
- <u>A national certification or listing program, such as</u> the National Radon Proficiency Program (NRPP), the National Radon Safety Board (NRSB), or an <u>equivalent</u> program that verifies device compliance with the latest publication of ANSI/AARST MS-PC (Performance Specifications for Instrumentation Systems Designed to Measure Radon Gas in Air).
 <u>Note-Identification of two existing</u> bodies that <u>have a program for evaluating and listing</u> devices that meet specified quality requirements is not an endorsement of either program.

NORMATIVE APPENDIX D

NATIONAL CERTIFICATION/LISTING PROGRAMS

D-1 National Certification/Listing Programs

For private sector certifications of qualified measurement professionals identified in Section 2.4, this standard requires a national program that evaluates and lists qualified individuals, training courses and other products or services, such as laboratory services, integral to achieving public health goals intended by this standard. Programs meeting the purpose, need and requirements of this standard are those with policies as established in a), b) and c) of this Appendix D.

D-1.1 Certification requirements

Certification requirements shall meet those established by the National Radon Proficiency Program (NRPP), the National Radon Safety Board (NRSB) or an equivalent national program. Note Identification of two existing certification bodies is not an endorsement of either program.

a) Programs with published policies that:

- a) <u>1.</u> require persons to undergo education and an impartial examination process prior to granting personal certification or certificates of educational achievement; and
- c) 2. require surveillance of continued competence, not less than as demonstrated by continuing education on standards updates, compliance and other related technical knowledge and skills, prior to granting recertification or renewed certificates or listings; and
- 3. require, for the certification of radon measurement laboratories, initial demonstration and scheduled ongoing surveillance of compliance with ANSI/AARST MS-QA (Radon Measurement Systems Quality Assurance).

b) Programs that:

- b) <u>1.</u> have a written policy and means for receiving and adjudicating complaints against individuals <u>or companies</u> who have been granted a credential; and
- 2. <u>have publicly published educational and examination requirements for each</u> <u>credential or listing available online where readily accessible for consumers of</u> <u>credentialed services.</u>

D-1.3 Equivalent educational requirements

Equivalent certification requirements include educational prerequisites as follow:

b) Programs that include educational prerequisites as follow:

a) <u>1.</u> Qualified Radon Measurement Professional—Multifamily and Commercial Listing or certification credentials granted by the equivalent national programs that qualify individuals as proficient in placement, retrieval, and analysis (as applicable) of *radon* detectors and to design, plan, and implement quality procedures when conducting *radon* measurements in multifamily, school, commercial and mixed-use buildings are to include:

- <u>a.</u> current certification as a qualified radon measurement professional in homes; and
- additional education and processes approved by the program relative to tasks required in the most current version of this standard ANSI/AARST MA-MFLB (Protocol for Conducting Measurements of Radon and Radon Decay Products in Multifamily, School, Commercial and Multi-Use Buildings) prior to granting this advanced level certification or listing and recertifications or relisting.

b) 2. Qualified Radon Measurement Professional—Homes

Certifications granted by equivalent national programs that qualify individuals as proficient in conducting radon measurements in existing homes are to include:

- <u>a.</u> no less than 16 hours or more education prior to granting certification that focuses on tasks required in ANSI/AARST MAH (Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes); and
- b. biennial recertifications after completing continuing education requirements and any other program surveillance activities.

no less than 16 hours continuing education biennially prior to granting recertification.

<u>Informative Note 1—The</u> National Radon Proficiency Program (NRPP), the National Radon Safety Board (NRSB), or equivalent programs<u>that also meet requirements of a), b) and c) of</u> this normative Appendix D meet the requirements of this standard.

<u>Note that</u> identification of existing certification bodies is not an endorsement of their programs.

Informative Note 2—The purpose of requirements in this Appendix D is to ensure contractors have an appropriate degree of technical, engineering, and scientific knowledge to protect occupants by providing reliable measurements of *radon gas* present in indoor air.

Harmonization effort for AARST measurement standards:

MAH, MS-QA and MA-MFLB (i.e., MAMF and MALB consolidated into a single SGM-MFLB publication for 2023)

Continuous maintenance efforts to improve these standards are currently ongoing.

These proposed revisions for public review, as underlined in red text, are modifications to previous publicly reviewed revisions indicated by black text.

These provisions relate to public health concerns. They are intended to help ensure contractors have an appropriate degree of technical, engineering, and scientific knowledge to protect occupants by providing reliable measurements of *radon gas* present in indoor air.

The latest published versions of those standards are available for comparison at <u>www.standards.aarst.org</u> where all ANSI/AARST standards can be found for review at no charge and for purchase.

The current mitigation standards committee roster (consensus body) can be linked to from <u>www.standards.aarst.org/public-review</u>. The current work project includes (1) harmonization, where possible, for all portions of these documents to read the same for the same tasks; (2) update based on new experiences, and (3) renderings that are more conductive to stakeholders who are involved in compliance assessment.

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Proposed Maintenance Updates 03/23 for AARST MAH Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes

2.3.1 Approved test devices required

All test devices used for deciding if mitigation is warranted shall be devices that are listed by one of the following authorities:

- <u>a)</u> As required by local jurisdictions that have a program for evaluating and approving devices; or
- <u>A national certification or listing program, such as</u> the National Radon Proficiency Program (NRPP), the National Radon Safety Board (NRSB), or an <u>equivalent</u> program that verifies device compliance with the latest publication of ANSI/AARST <u>MS-PC</u> (<u>Performance</u> <u>Specifications for Instrumentation Systems Designed to Measure Radon Gas in Air</u>). <u>Note—Identification of two existing</u> bodies that <u>have a program for evaluating and listing</u> <u>devices that meet specified quality requirements</u> is not <u>an endorsement of either program</u>.

NORMATIVE APPENDIX D

NATIONAL CERTIFICATION/LISTING PROGRAMS

D-1 National Certification/Listing Programs

For private sector certifications of qualified measurement professionals identified in Section 2.4, this standard requires a national program that evaluates and lists qualified individuals, training courses and other products or services, such as laboratory services, integral to achieving public health goals intended by this standard. Programs meeting the purpose, need and requirements of this standard are those with policies as established in a), b) and c) of this Appendix D.

D-1.1 Certification requirements

Certification requirements shall meet those established by the National Radon Proficiency Program (NRPP), the National Radon Safety Board (NRSB) or an equivalent national program. Note Identification of two existing certification bodies is not an endorsement of either program.

a) Programs with published policies that:

- a) <u>1.</u> require persons to undergo education and an impartial examination process prior to granting personal certification or certificates of educational achievement; and
- c) 2. require surveillance of continued competence, not less than as demonstrated by continuing education on standards updates, compliance and other related technical knowledge and skills, prior to granting recertification or renewed certificates or listings; and
- 3. require, for the certification of radon measurement laboratories, initial demonstration and scheduled ongoing surveillance of compliance with ANSI/AARST MS-QA (Radon Measurement Systems Quality Assurance).

b) Programs that:

- b) <u>1.</u> have a written policy and means for receiving and adjudicating complaints against individuals <u>or companies</u> who have been granted a credential; and
- 2. have publicly published educational and examination requirements for each credential or listing available online where readily accessible for consumers of credentialed services.

D-1.3 Equivalent educational requirements

Equivalent certification requirements include educational prerequisites as follow:

b) Programs that include educational prerequisites as follow:

- a) <u>1</u>. Qualified Radon Measurement Professional—Multifamily and Commercial Listing or certification credentials granted by the equivalent national programs that qualify individuals as proficient in placement, retrieval, and analysis (as applicable) of *radon* detectors and to design, plan, and implement quality procedures when conducting *radon* measurements in multifamily, school, commercial and mixed-use buildings are to include:
 - <u>a.</u> current certification as a qualified radon measurement professional in homes; and
 - <u>b.</u> additional education and processes approved by the program relative to tasks required in the most current version of this standard ANSI/AARST

MA-MFLB (Protocol for Conducting Measurements of Radon and Radon Decay Products in Multifamily, School, Commercial and Multi-Use Buildings) prior to granting this advanced level certification or listing and recertifications <u>or</u> <u>relisting</u>.

b) 2. Qualified Radon Measurement Professional–Homes

Certifications granted by equivalent national programs that qualify individuals as proficient in conducting radon measurements in existing homes are to include:

- <u>a.</u> no less than 16 hours or more education prior to granting certification that focuses on tasks required in ANSI/AARST MAH (Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes); and
- b. biennial recertifications after completing continuing education requirements and any other program surveillance activities.

no less than 16 hours continuing education biennially prior to granting recertification.

Informative Note 1—The National Radon Proficiency Program (NRPP), the National Radon Safety Board (NRSB), or equivalent programs that also meet requirements of a), b) and c) of this normative Appendix D meet the requirements of this standard.

<u>Note that</u> identification of existing certification bodies is not an endorsement of their programs.

Informative Note 2—The purpose of requirements in this Appendix D is to ensure contractors have an appropriate degree of technical, engineering, and scientific knowledge to protect occupants by providing reliable measurements of *radon gas* present in indoor air.

Harmonization effort for AARST measurement standards:

MAH, MS-QA and MA-MFLB (i.e., MAMF and MALB consolidated into a single SGM-MFLB publication for 2023)

Continuous maintenance efforts to improve these standards are currently ongoing.

These proposed revisions for public review, as underlined in red text, are modifications to previous publicly reviewed revisions indicated by black text.

These provisions relate to public health concerns. They are intended to help ensure contractors have an appropriate degree of technical, engineering, and scientific knowledge to protect occupants by providing reliable measurements of *radon gas* present in indoor air.

The latest published versions of those standards are available for comparison at <u>www.standards.aarst.org</u> where all ANSI/AARST standards can be found for review at no charge and for purchase.

The current mitigation standards committee roster (consensus body) can be linked to from <u>www.standards.aarst.org/public-review</u>. The current work project includes (1) harmonization, where possible, for all portions of these documents to read the same for the same tasks; (2) update based on new experiences, and (3) renderings that are more conductive to stakeholders who are involved in compliance assessment.

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Proposed Maintenance Updates 03/23 for AARST MS-QA Radon Measurement Systems Quality Assurance

1 DEFINITIONS

Qualified Professional (QP): An individual who has demonstrated a minimum degree of appropriate technical knowledge and training specific to radon measurement in indoor environments—as: (a) as established in certification requirements of a national program that is compliant with requirements in normative Appendix A; and (b) as required by local statute, state licensure or certification programs that evaluate individuals for radon specific technical knowledge and skills."

Normative Appendix A

National Certification/Listing Programs

For private sector certifications of qualified measurement professionals, this standard requires a national program that evaluates and lists qualified individuals, training courses and other products or services, such as laboratory services, integral to achieving public health goals intended by this standard. Programs meeting the purpose, need and requirements of this standard are those with policies as established in a), b) and c) of this normative Appendix A.

- a) Programs with published policies that:
 - a) <u>1.</u> require persons to undergo education and an impartial examination process prior to granting personal certification or certificates of educational achievement; and
 - c) 2. require surveillance of continued competence, not less than as demonstrated by continuing education on standards updates, compliance and other related technical knowledge and skills, prior to granting recertification or renewed certificates or listings; and
 - 3. require, for the certification of radon measurement laboratories, initial demonstration and scheduled ongoing surveillance of compliance with ANSI/AARST MS-QA (Radon Measurement Systems Quality Assurance).
- b) Programs that:
 - b) 1. have a written policy and means for receiving and adjudicating complaints against individuals or companies who have been granted a credential; and
 - 2. have publicly published educational and examination requirements for each credential or listing available online where readily accessible for consumers of credentialed services.
- c) Programs that include educational prerequisites as follow:
 - 1. Qualified Radon Measurement Professional—Homes Certifications granted that qualify individuals as proficient in conducting radon measurements in existing homes are to include:
 - a. no less than 16 hours education prior to granting certification that focuses on tasks required in ANSI/AARST MAH (Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes); and
 - b. biennial recertifications after completing continuing education requirements and any other program surveillance activities.
 - 2. Qualified Radon Measurement Professional—Multifamily and Commercial Listing or certification credentials granted that qualify individuals as proficient in placement, retrieval, and analysis (as applicable) of *radon* detectors and to design, plan, and implement quality procedures when conducting *radon* measurements in multifamily, school, commercial and mixed-use buildings are to include:
 - a. <u>current certification as a qualified radon measurement professional in</u> <u>homes; and</u>
 - <u>additional education and processes approved by the program relative to</u> tasks required in the most current version of this standard ANSI/AARST MA-MFLB (Protocol for Conducting Measurements of Radon and Radon Decay Products in Multifamily, School, Commercial and Multi-Use Buildings) prior to granting this advanced level certification or listing and recertifications or relisting.

Informative Note 1—The National Radon Proficiency Program (NRPP), the National Radon Safety Board (NRSB), or equivalent programs that also meet requirements of a), b) and c) of this normative **Appendix A** meet the requirements of this standard.

Note-identification of existing certification bodies is not an endorsement of their programs.

Informative Note 2—The purpose of requirements in this **Appendix A** is to ensure contractors have an appropriate degree of technical, engineering, and scientific knowledge to protect occupants by providing reliable measurements of *radon gas* present in indoor air.

3.2 Approved Devices and Qualified Laboratories

Conformance with this standard requires the use of devices approved through a device evaluation program and laboratories certified or accredited by a laboratory approval program that meets requirements as:

- as required by local jurisdictions that have a program for evaluating and approving devices;
 or
- b) as established by a national certification or listing program, such as the National Radon Proficiency Program (NRPP), the National Radon Safety Board (NRSB), or an equivalent program that verifies compliance with the most current version of ANSI/AARST MS-PC (Performance Specifications for Instrumentation Systems Designed to Measure Radon Gas in Air).

Note—Identification of two existing bodies that have a program for evaluating and listing devices that meet specified quality requirements is not an endorsement of either program.

Harmonization effort for AARST mitigation standards: SGM-SF, RMS-MF and RMS-LB Continuous maintenance efforts to improve these standards are currently ongoing.

These proposed revisions for public review, as underlined in red text, are modifications to previous publicly reviewed revisions indicated by black text.

These provisions relate to public health concerns. They are intended to help ensure contractors have an appropriate degree of technical, engineering, and scientific knowledge to protect occupants by successfully reducing hazards associated with *radon gas*, chemical vapors or other soil gases that are present in indoor air.

The latest published versions of those standards are available for comparison at <u>www.standards.aarst.org</u> where all ANSI/AARST standards can be found for review at no charge and for purchase.

The current mitigation standards committee roster (consensus body) can be linked to from <u>www.standards.aarst.org/public-review</u>. The current work project includes (1) harmonization, where possible, for all portions of these documents to read the same for the same tasks; (2) update based on new experiences, and (3) renderings that are more conductive to stakeholders who are involved in compliance assessment.

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Proposed Maintenance Updates 03/23 for AARST RMS-LB Radon Mitigation Standards for Schools and Large Buildings

13.0 NORMATIVE APPENDICES AND REFERENCES

13.1 National Certification/Listing Programs

For private sector certifications and listings, this standard requires a national program that evaluates and lists qualified individuals, training courses and other products or services, such as laboratory services, integral to achieving public health goals intended by this standard. Programs meeting the purpose, need and requirements of this standard are those with policies as established in a), b) and c) of this Section 13.1.

13.1.1 Certification requirements shall meet those established by the National Radon Proficiency Program (NRPP), the National Radon Safety Board (NRSB) or an equivalent national program.

Note --Identification of two existing certification bodies is not an endorsement of either program.

- 13.1.2 Equivalent national programs are p
 - <u>a) Programs with published policies that:</u>

- a) <u>1.</u> require persons to undergo education and an impartial examination process prior to granting personal certification or certificates of educational achievement; and
- c) 2. require surveillance of continued competence, not less than as demonstrated by continuing education <u>on standards updates</u>, <u>compliance and other related</u> technical knowledge and skills, prior to granting recertification or renewed certificates <u>or listings</u>; <u>and</u>
- 3. require, for the certification of radon measurement laboratories, initial demonstration and scheduled ongoing surveillance of compliance with ANSI/AARST MS-QA (Radon Measurement Systems Quality Assurance).
- b) Programs that:
 - b) <u>1.</u> have a written policy and means for receiving and adjudicating complaints against individuals <u>or companies</u> who have been granted a credential; and
 - 2. <u>have publicly published educational and examination requirements for each</u> <u>credential or listing available online where readily accessible for consumers of</u> <u>credentialed services.</u>

13.1.3 Equivalent certification requirements include educational prerequisites as follow:

- c) Programs that include educational prerequisites as follow:
 - a) <u>1</u>. Qualified Mitigation Professionals—Multifamily and Commercial Listing or certification credentials granted by the equivalent national programs that qualify individuals as proficient in designing radon or soil gas mitigation systems in existing multifamily, school, commercial and mixed-use buildings are to include:
 - <u>a.</u> current certification as a qualified radon or soil gas mitigation professional in homes; and
 - <u>b.</u> additional education and processes approved by the program relative to tasks required in the most current version of this standard, ANSI/AARST SGM-MFLB (Soil Gas Mitigation Standards for Existing Multifamily, School, Commercial and Mixed-Use Buildings) prior to granting this advanced level certification or listing and recertifications <u>or relisting</u>.

b) 2. Qualified Radon Measurement Professional—Multifamily and Commercial

Listing or certification credentials granted by the equivalent national programs that qualify individuals as proficient in placement, retrieval, and analysis (as applicable) of *radon* detectors and to design, plan, and implement quality procedures when conducting *radon* measurements in multifamily, school, commercial and mixed-use buildings are to include:

- <u>a.</u> current certification as a qualified radon measurement professional in homes; and
- <u>b.</u> additional education and processes approved by the program relative to tasks required in the most current version of ANSI/AARST MA-MFLB (Protocol for Conducting Measurements of Radon and Radon Decay Products

in Multifamily, School, Commercial and Multi-Use Buildings) prior to granting this advanced level certification or listing and recertifications <u>or relisting</u>.

c) 3. Qualified Radon Mitigation Professionals—Homes

Certifications granted by equivalent national programs that qualify individuals as proficient in designing radon <u>or soil gas</u> *mitigation* systems <u>in existing homes are</u> <u>to include</u>:

- <u>a.</u> no less than 32 hours or more education prior to granting certification that focuses on tasks required in this standard, ANSI/AARST SGM-SF (Soil Gas Mitigation Standards for Existing Homes); and
- <u>b.</u> <u>biennial recertifications after completing continuing education</u> requirements and any other program surveillance activities.

no less than 16 hours continuing education biennially prior to granting recertification.

d) 4. Qualified Radon Measurement Professional—Homes

Certifications granted by equivalent national programs that qualify individuals as proficient in conducting radon measurements in existing homes are to include:

- <u>a.</u> no less than 16 hours or more education prior to granting certification that focuses on tasks required in ANSI/AARST MAH (Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes); and
- <u>b.</u> <u>biennial recertifications after completing continuing education</u> requirements and any other program surveillance activities.
- and no less than 16 hours continuing education biennially prior to granting recertification.

<u>Informative Note 1—The</u> National Radon Proficiency Program (NRPP), the National Radon Safety Board (NRSB), or equivalent programs <u>that also meet requirements of a</u>), <u>b</u>) and <u>c</u>) of <u>this Section 13.1 meet the requirements of this standard.</u>

<u>Note that</u> identification of existing certification bodies is not an endorsement of their programs.

Informative Note 2—The purpose of requirements in this Section 13.1 is to ensure contractors have an appropriate degree of technical, engineering, and scientific knowledge to protect occupants by successfully reducing hazards associated with *radon gas*, chemical vapors or other soil gases that are present in indoor air.

Harmonization effort for AARST mitigation standards: SGM-SF, RMS-MF and RMS-LB Continuous maintenance efforts to improve these standards are currently ongoing.

These proposed revisions for public review, as underlined in red text, are modifications to previous publicly reviewed revisions indicated by black text.

These provisions relate to public health concerns. They are intended to help ensure contractors have an appropriate degree of technical, engineering, and scientific knowledge to protect occupants by successfully reducing hazards associated with *radon gas*, chemical vapors or other soil gases that are present in indoor air.

The latest published versions of those standards are available for comparison at <u>www.standards.aarst.org</u> where all ANSI/AARST standards can be found for review at no charge and for purchase.

The current mitigation standards committee roster (consensus body) can be linked to from <u>www.standards.aarst.org/public-review</u>. The current work project includes (1) harmonization, where possible, for all portions of these documents to read the same for the same tasks; (2) update based on new experiences, and (3) renderings that are more conductive to stakeholders who are involved in compliance assessment.

AARST Consortium on National Standards

Website: <u>www.standards.aarst.org</u> Email: <u>StandardsAssist@gmail.com</u>

527 N Justice Street, Hendersonville, NC 28739

Proposed Maintenance Updates 03/23 for AARST RMS-MF Radon Mitigation Standards for Multifamily Buildings

13.0 NORMATIVE APPENDICES AND REFERENCES

13.1 National Certification/Listing Programs

For private sector certifications and listings, this standard requires a national program that evaluates and lists qualified individuals, training courses and other products or services, such as laboratory services, integral to achieving public health goals intended by this standard. Programs meeting the purpose, need and requirements of this standard are those with policies as established in a), b) and c) of this Section 13.1.

13.1.1 Certification requirements shall meet those established by the National Radon Proficiency Program (NRPP), the National Radon Safety Board (NRSB) or an equivalent national program.

Note --Identification of two existing certification bodies is not an endorsement of either program.

- 13.1.2 Equivalent national programs are p
 - <u>a) Programs with published policies that:</u>

- a) <u>1.</u> require persons to undergo education and an impartial examination process prior to granting personal certification or certificates of educational achievement; and
- c) 2. require surveillance of continued competence, not less than as demonstrated by continuing education <u>on standards updates</u>, <u>compliance and other related</u> technical knowledge and skills, prior to granting recertification or renewed certificates <u>or listings</u>; <u>and</u>
- 3. require, for the certification of radon measurement laboratories, initial demonstration and scheduled ongoing surveillance of compliance with ANSI/AARST MS-QA (Radon Measurement Systems Quality Assurance).
- b) Programs that:
 - b) <u>1.</u> have a written policy and means for receiving and adjudicating complaints against individuals <u>or companies</u> who have been granted a credential; and
 - 2. <u>have publicly published educational and examination requirements for each</u> <u>credential or listing available online where readily accessible for consumers of</u> <u>credentialed services.</u>

13.1.3 Equivalent certification requirements include educational prerequisites as follow:

- c) Programs that include educational prerequisites as follow:
 - a) <u>1</u>. Qualified Mitigation Professionals—Multifamily and Commercial Listing or certification credentials granted by the equivalent national programs that qualify individuals as proficient in designing radon or soil gas mitigation systems in existing multifamily, school, commercial and mixed-use buildings are to include:
 - <u>a.</u> current certification as a qualified radon or soil gas mitigation professional in homes; and
 - <u>b.</u> additional education and processes approved by the program relative to tasks required in the most current version of this standard, ANSI/AARST SGM-MFLB (Soil Gas Mitigation Standards for Existing Multifamily, School, Commercial and Mixed-Use Buildings) prior to granting this advanced level certification or listing and recertifications <u>or relisting</u>.

b) 2. Qualified Radon Measurement Professional—Multifamily and Commercial

Listing or certification credentials granted by the equivalent national programs that qualify individuals as proficient in placement, retrieval, and analysis (as applicable) of *radon* detectors and to design, plan, and implement quality procedures when conducting *radon* measurements in multifamily, school, commercial and mixed-use buildings are to include:

- <u>a.</u> current certification as a qualified radon measurement professional in homes; and
- <u>b.</u> additional education and processes approved by the program relative to tasks required in the most current version of ANSI/AARST MA-MFLB (Protocol for Conducting Measurements of Radon and Radon Decay Products

in Multifamily, School, Commercial and Multi-Use Buildings) prior to granting this advanced level certification or listing and recertifications <u>or relisting</u>.

c) 3. Qualified Radon Mitigation Professionals—Homes

Certifications granted by equivalent national programs that qualify individuals as proficient in designing radon <u>or soil gas</u> *mitigation* systems <u>in existing homes are</u> <u>to include</u>:

- <u>a.</u> no less than 32 hours or more education prior to granting certification that focuses on tasks required in this standard, ANSI/AARST SGM-SF (Soil Gas Mitigation Standards for Existing Homes); and
- <u>b.</u> <u>biennial recertifications after completing continuing education</u> requirements and any other program surveillance activities.

no less than 16 hours continuing education biennially prior to granting recertification.

d) 4. Qualified Radon Measurement Professional—Homes

Certifications granted by equivalent national programs that qualify individuals as proficient in conducting radon measurements in existing homes are to include:

- <u>a.</u> no less than 16 hours or more education prior to granting certification that focuses on tasks required in ANSI/AARST MAH (Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes); and
- <u>b.</u> <u>biennial recertifications after completing continuing education</u> requirements and any other program surveillance activities.
- and no less than 16 hours continuing education biennially prior to granting recertification.

<u>Informative Note 1—The</u> National Radon Proficiency Program (NRPP), the National Radon Safety Board (NRSB), or equivalent programs <u>that also meet requirements of a</u>), <u>b</u>) and <u>c</u>) of <u>this Section 13.1 meet the requirements of this standard.</u>

<u>Note that</u> identification of existing certification bodies is not an endorsement of their programs.

Informative Note 2—The purpose of requirements in this Section 13.1 is to ensure contractors have an appropriate degree of technical, engineering, and scientific knowledge to protect occupants by successfully reducing hazards associated with *radon gas*, chemical vapors or other soil gases that are present in indoor air.

Harmonization effort for AARST mitigation standards:

SGM-SF and SGM-MFLB (i.e., RMS-MF and RMS-LB consolidated into a single SGM-MFLB publication for 2023)

Continuous maintenance efforts to improve these standards are currently ongoing.

These proposed revisions for public review, as underlined in red text, are modifications to previous publicly reviewed revisions indicated by black text.

These provisions relate to public health concerns. They are intended to help ensure contractors have an appropriate degree of technical, engineering, and scientific knowledge to protect occupants by successfully reducing hazards associated with *radon gas*, chemical vapors or other soil gases that are present in indoor air.

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Website: <u>www.standards.aarst.org</u> Email: <u>StandardsAssist@gmail.com</u>

527 N Justice Street, Hendersonville, NC 28739

Proposed Maintenance Updates 03/23 for AARST SGM-SF Soil Gas Mitigation Standards for Existing Homes

13.0 NORMATIVE APPENDICES AND REFERENCES

13.1 National Certification/Listing Programs

For private sector certifications and listings, this standard requires a national program that evaluates and lists qualified individuals, training courses and other products or services, such as laboratory services, integral to achieving public health goals intended by this standard. Programs meeting the purpose, need and requirements of this standard are those with policies as established in a), b) and c) of this Section 13.1.

- 13.1.1 Certification requirements shall meet those established by the National Radon Proficiency Program (NRPP), the National Radon Safety Board (NRSB) or an equivalent national program. Note-Identification of two existing certification bodies is not an endorsement of either program.
- 13.1.2 Equivalent national programs are p

- a) Programs with published policies that:
 - a) <u>1.</u> require persons to undergo education and an impartial examination process prior to granting personal certification or certificates of educational achievement; and
 - c) 2. require surveillance of continued competence, not less than as demonstrated by continuing education on standards updates, compliance and other related technical knowledge and skills, prior to granting recertification or renewed certificates or listings; and
 - <u>3.</u> require, for the certification of radon measurement laboratories, initial demonstration and scheduled ongoing surveillance of compliance with ANSI/AARST MS-QA (Radon Measurement Systems Quality Assurance).
- b) Programs that:
 - b) <u>1.</u> have a written policy and means for receiving and adjudicating complaints against individuals <u>or companies</u> who have been granted a credential; and
 - 2. <u>have publicly published educational and examination requirements for each</u> <u>credential or listing available online where readily accessible for consumers of</u> <u>credentialed services.</u>

13.1.3 Equivalent certification requirements include educational prerequisites as follow:

c) Programs that include educational prerequisites as follow:

- a) <u>1</u>. Qualified Radon Mitigation Professionals—Homes
 Certifications granted by equivalent national programs that qualify individuals as proficient in designing radon or soil gas mitigation systems in existing homes are to include:
 - <u>a.</u> no less than 32 hours education prior to granting certification that focuses on tasks required in this standard, ANSI/AARST SGM-SF (Soil Gas Mitigation Standards for Existing Homes); and
 - b. biennial recertifications after completing continuing education requirements and any other program surveillance activities.

no less than 16 hours continuing education biennially prior to granting recertification.

b) 2. Qualified Radon Measurement Professional-Homes

Certifications granted by equivalent national programs that qualify individuals as proficient in conducting radon measurements in existing homes <u>are to include</u>:

- <u>a.</u> no less than 16 hours or more education prior to granting certification that focuses on tasks required in ANSI/AARST MAH (Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes); and
- b. biennial recertifications after completing continuing education requirements and any other program surveillance activities.
- and no less than 16 hours continuing education biennially prior to granting recertification.
- c) 3. Qualified Soil Gas Mitigation Professionals-Homes

Certifications granted by equivalent national programs that qualify individuals as proficient in designing soil gas *mitigation* systems require no less than 32 hours or more education prior to granting certification that focuses on tasks required in ANSI/AARST SGM-SF (Soil Gas Mitigation Standards for Existing Homes) and training on chemical hazard protection; and no less than 16 hours continuing education biennially prior to granting recertification.

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<u>Note that</u> identification of existing certification bodies is not an endorsement of their programs.

Informative Note 2—The purpose of requirements in this Section 13.1 is to ensure contractors have an appropriate degree of technical, engineering, and scientific knowledge to protect occupants by successfully reducing hazards associated with *radon gas*, chemical vapors or other soil gases that are present in indoor air.



BSR/ASHRAE Addendum e to ANSI/ASHRAE Standard 62.2-2022

Public Review Draft

Proposed Addendum e to Standard 62.2-2022, Ventilation and Acceptable Indoor Air Quality in Residential Buildings

First Public Review (March 2023) (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 <u>www.ashrae.org/standards-research--technology/public-review-drafts</u> 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 <u>www.ashrae.org/bookstore</u> 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, <u>www.ashrae.org</u>.

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

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FOREWORD

This proposed addendum would remove the option of providing an openable window in place of mechanical exhaust within toilet rooms, for new construction. The committee's concerns for addressing both odor and bioaerosols associated with human waste resulted in this addendum, which will align Standard 62.2 with the International Residential Code's requirement for mechanical ventilation of toilet rooms.

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

Addendum e to 62.2-2022

Revise Section 3.1 as shown below. The reminder of Section 3.1 is unchanged.

toilet room: a room with a door containing a toilet, water closet, urinal, or similar sanitary plumbing fixture and, frequently, a lavatory but not a bathtub, shower, spa, or similar source of moisture.

Revise Section 5 as shown below. The remainder of Section 5 is unchanged.

5. LOCAL EXHAUST

5.1 Local Mechanical Exhaust. A local mechanical exhaust system shall be designed and installed in each kitchen, <u>bathroom</u>, and toilet room, <u>and bathroom</u> and shall be one of either

- a. a demand controlled local mechanical exhaust system meeting the requirements of Section 5.2 or
- b. a continuous local mechanical exhaust system meeting the requirements of Section 5.3.

Exception to 5.1(b): Nonenclosed kitchens shall be provided with a demand controlled local mechanical exhaust system meeting the requirements of Section 5.2.

Exception to 5.1: Alternative ventilation: Other design methods that provide the required minimum exhaust airflow rates shall be permitted when approved by a licensed design professional.

5.2 Demand Controlled Local Mechanical Exhaust. A demand controlled local mechanical exhaust system shall be designed to comply with the requirements of the following subsections.

5.2.1 Ventilation Rate. The demand controlled local mechanical exhaust system's rated airflow shall be at least the amount required in Table 5-1 at one or more fan speed settings.

5.2.2 Control. Demand controlled local mechanical exhaust systems shall be provided with at least one of the following controls, readily accessible to the dwelling-unit occupant:

a. A manual ON-OFF control

b. An automatic control that does not impede manual ON control

5.3 Continuous Local Mechanical Exhaust. A continuous local mechanical exhaust system shall be designed and installed.

5.3.1 Ventilation Rate. The continuous local mechanical exhaust system's rated airflow shall be at least the amount required in Table 5-2.

5.3.2 Control. A manual ON-OFF control, readily accessible to the dwelling-unit occupant, shall be provided.

Exception to 5.3.2: For multifamily dwelling units, the manual ON-OFF control shall not be required to be readily accessible to the dwelling-unit occupant.

[...]

Table 5-1 Demand Controlled Local Exhaust Airflow Rates

Application	Airflow
Enclosed kitchen	 Vented range hood (including appliance-range hood combinations): 100 cfm (50 L/s) Other kitchen exhaust fans, including downdraft: 300 cfm (150 L/s) or a capacity of 5 ach
Nonenclosed kitchen	 Vented range hood (including appliance-range hood combinations): 100 cfm (50 L/s) Other kitchen exhaust fans, including downdraft: 300 cfm (150 L/s)
Bathroom <u>or Toilet</u> <u>Room</u>	50 cfm (25 L/s)

Table 5-2 Continuous Local Exhaust Airflow Rates

Application	Airflow
Enclosed kitchen	5 ach, based on kitchen volume
Bathroom <u>or</u> <u>Toilet Room</u>	20 cfm (10 L/s)

Revise Section 6.5 as shown below.

6.5 Ventilation Opening Area. Spaces shall have ventilation openings as listed in the following subsections. Such openings shall meet the requirements of Section 6.6.

Exception to 6.5: Attached dwelling units and spaces that meet the local ventilation requirements set for bathrooms in Section 5.

6.5.1 Habitable Spaces. Each habitable space shall be provided with ventilation openings with an openable area not less than 4% of the floor area or less than 5 ft² (0.5 m²).

6.5.2 Toilet Rooms and Utility Rooms. Toilet rooms and uUtility rooms shall be provided with natural ventilation openings with an openable area not less than 4% of the room floor area or less than 1.5 ft² (0.15 m²).

Exceptions to 6.5.2:

1. Utility rooms with a dryer exhaust duct.

2. Toilet compartments in bathrooms.

Revise Section 7.3 as shown below.

7.3 Sound Ratings for Fans. Ventilation fans shall be rated for sound at no less than the minimum airflow rate required by this standard as noted below. These sound ratings shall be at a minimum of 0.1 in. of water (25 Pa) static pressure in accordance with the HVI procedures referenced in Section 7.1.

Exception to 7.3: HVAC air handlers and remote mounted fans need not meet sound requirements. To be considered for this exception, a remote mounted fan-must shall be mounted outside the habitable spaces, bathrooms, toilet rooms, and hallways, and there-must shall be at least 4 ft (1 m) of ductwork between the fan and the intake grille.

7.3.1 Dwelling-Unit Ventilation or Continuous Local Exhaust Fans. These fans shall be rated for sound at a maximum of 1.0 sone.

7.3.2 Demand Controlled Local Exhaust Fans. Bathroom exhaust fans used to comply with Section 5.2 shall be rated for sound at a maximum of 3 sones. Kitchen exhaust fans used to comply with Section 5.2 shall be rated for sound at a maximum of 3 sones at one or more airflow settings greater than or equal to 100 cfm (47 L/s). Exhaust fans serving only toilet rooms shall not be subject to sound performance requirements.

Exception to 7.3.2: Fans with a minimum airflow setting exceeding 400 cfm (189 L/s) need not comply.

Revise Normative Appendix A as shown below. The remainder of Appendix A is unchanged.

(This is a normative appendix and is part of the standard.)

NORMATIVE APPENDIX A EXISTING BUILDINGS

A1. SUMMARY

This appendix provides an alternative compliance path for existing buildings and the associated ventilation equipment in existing buildings. This section is intended for buildings that have already been occupied without meeting the provisions of this standard. The AHJ shall decide under what circumstances the provisions of this appendix are applicable. Use of this appendix alternate to sections of the main body of the standard does not provide an exemption from compliance with the remainder of the standard.

A3. LOCAL EXHAUST

When replacing equipment, all Section 5 requirements shall be met. When renovating a toilet room in a nonattached dwelling unit, or renovating a kitchen or bathroom and for any kitchens and bathrooms being renovated, all Section 5 requirements shall be met. For other <u>cases</u>, in existing kitchens and bathrooms, when the existing equipment does not meet those requirements, this section <u>may shall</u> be used to compensate for insufficient exhaust airflow for each room requiring local exhaust by adjusting the dwelling-unit mechanical ventilation rate in Section A2.

A3.1 Initial Room Airflow Deficit. The airflow deficit for each bathroom shall be 50 cfm (24 L/s), less the airflow rating from Section A4.2 of the exhaust equipment. The airflow deficit for each kitchen shall be 100 cfm (47 L/s), less the airflow rating from Section A4.2 of the exhaust equipment. If there is no exhaust device, or if the

existing device can neither be measured nor rated, the exhaust device airflow shall be assumed to be zero. The airflow deficit shall be zero for a <u>kitchen or</u> bathroom-<u>or kitchen</u> if a new exhaust ventilation device meeting the requirements of Section 5.2 or 5.3 is installed in the <u>kitchen or</u> bathroom-<u>or kitchen</u>.

A3.2 Window Opening Credit. If Where the local AHJ determines that window operation is a permissible method of providing local exhaust, the deficit may be reduced as follows: if and there is an operable window in the room, the airflow deficit may shall be permitted to be reduced by 20 cfm (10 L/s).

A3.3 Required Additional Airflow. The total airflow deficit is the sum of all the final airflow deficits from all <u>kitchens and kitchens</u>. The required additional dwelling-unit mechanical ventilation airflow is equal to one-quarter of the total airflow deficit.

[...]

Public Review Draft

Proposed Addendum au to Standard 189.1-2020

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

First Public Review (March, 2023) (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 <u>www.ashrae.org/standards-research--technology/public-review-drafts</u> 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 <u>www.ashrae.org/bookstore</u> or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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Foreword

The proposed change clarifies that the requirements of Section 9 apply to building projects as currently defined in the standard as:

Building project: One or more buildings and the site on which they are located that are subject to one or more permits issued by the AHJ.

This change clarifies that the requirements of Section 9 apply to, and were developed to address, materials and resources within a building project rather than a broader interpretation of structure or infrastructure. The change makes the scope of Section 9 consistent with the scope statements of Sections 5.1, Section 6.1, and Section 7.1 which limit the scope of each of those sections to building projects rather than buildings and structures.

•••

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Addendum *au* to 189.1-2020

Modify Section 9.1 as follows

9.1 Scope. This section specifies requirements <u>for *building projects*</u> related to the environmental and human health impacts of materials, including resource conservation, reduced life-cycle impacts of building materials, impacts on the atmosphere, product transparency, and waste management.

Public Review Draft

Proposed Addendum av to Standard 189.1-2020

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

First Public Review (March, 2023) (Draft Shows Proposed Changes to Current Standard)

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Foreword

Standard 189.1 has a Jurisdictional Option [JO] in Section 7.4.6.3.1 for occupancy control of commercial and industrial storage lighting that is less stringent than the requirements in ASHRAE 90.1-2022. As a result, this proposal recommends striking Section 7.4.6.3.1. In general, jurisdictional options are more stringent than the base case code but in this case, this would weaken the standard to be less stringent than the base 90.1 efficiency standard. Standard 189.1 Section 7.4.6.3.1 requires that in lighting in commercial and industrial storage stack areas be controlled by occupancy sensors and reduce lighting power by 50% when occupancy is sensed. In addition, this requirement is exempted when lighting in these areas is using high intensity discharge (HID) sources, such as metal halide or high-pressure sodium lamps and has a lighting power density less than 0.8 W/sf. In contrast ASHRAE 90.1 requires partial off occupancy controls for all general lighting in warehouse storage areas (not just in the stack areas) and there is no exception for HID sources less than 0.8 W/sf. ASHRAE 90.1 also requires full off occupancy controls for storage rooms > 50 sf.¹ Thus stringency is increased by deleting this requirement in Std 189.1 and reverting to the controls requirement in the base standard ASHRAE 90.1.

...

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Addendum *au* to 189.1-2020

Delete Section 7.4.6.3.1 and renumber subsequent section numbers.

7.4.6.3 Interior Lighting Controls. The interior lighting control requirements in this section are in addition to the control requirements in ANSI/ASHRAE/IES Standard 90.1, Section 9.4.1.1.

7.4.6.3.1 [JO] Occupancy Sensor Controls in Commercial and Industrial Storage

Stacks. The lighting in commercial and industrial storage stack areas shall be controlled by an occupancy sensor with multilevel switching or dimming system that reduces lighting power a minimum of 50% within 20 minutes of all occupants leaving the stack area. **Exception to 7.4.6.3.1:** Storage stack areas illuminated by high-intensity discharge (HID) lighting with an LPD of 0.8 W/ft2 (8.6 W/m2) or less. Not for publication. This document is part of the NSF standard development process. This draft text is for circulation for review and/or approval by an NSF Standards Committee and has not been published or otherwise officially adopted. All rights reserved. This document may be reproduced for informational purposes only.

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

NSF/ANSI Standard for Health Sciences –

Dietary Supplements

- •
- •
- .
- 7 Test methods used by testing laboratories for detection of contaminants Dietary ingredients and finished products

7.1 Test methods for metals

The presence of arsenic, cadmium, chromium (total) (see following note), lead, and mercury (elemental) shall be measured in accordance with the following methods:

— sample preparation method: Samples shall be prepared by microwave-assisted acid digestion using a closed cell unit equipped with temperature monitoring. The temperature program and the selection of reagents shall be modified or optimized as appropriate for the product being evaluated; and

— **analytical method**: EPA Method 200.7.^{Error!} Bookmark not defined. Alternate methodologies, such as graphite furnace atomic emission spectrophotometry, ICP/MS, and flow injection analysis is an option for use with specific samples at the discretion of the analyst.

NOTE — If the chromium (total) result exceeds the pass/fail criteria (Section 5.3.1), levels of Cr (VI) will be determined using a liquid chromatography method based on EPA Method 218.6.^{Error! Bookmark not defined.} Modifications to the sample preparation and extraction procedures will be employed based on the dietary supplement product or ingredient matrix.

7.2 Pesticides

7.2.1 Multiresidue method

Products containing botanicals shall be evaluated using a multi-residue method contained in the FDA's *Pesticide Analytical Manual* (PAM I) or a QuEChERS method utilizing gas chromatography (GC) and/or liquid chromatography (LC) with technically sound method of detection which may include a mass spectrometer or tandem mass spectrometers (MS/MS).

Pesticide testing is required where the daily serving of botanical material is sufficient to potentially meet or exceed pesticide limits. This determination may be made using the most sensitive pesticide MAL and the instrument LOD for this pesticide with the following calculation:

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botanical material (GPD) ≥ most sensitive pesticide MAL most sensitive pesticide LOD

Pesticide testing shall utilize a multi-residue method contained in the FDA's *Pesticide Analytical Manual* (PAM I)^{Error! Bookmark not defined.} or a QuEChERS method utilizing gas chromatography (GC) or liquid chromatography (LC) with technically sound method of detection which may include a mass spectrometer or tandem mass spectrometers (MS/MS).

7.2.2 Test methods for pesticides in *Panax ginseng* and *Panax quinquefolius*

Products containing Panax ginseng or Panax quinquefolius shall be evaluated based on the FDA Pesticide Monitoring Procedure using Gas Chromatography with Mass Selective Detection and Selective Ion Monitoring method or the Analytical Method for the Determination of Quintozene and Its Degradates and Impurities in Ground Dried Ginseng Root by Gas Chromatography as validated by the Council for Responsible Nutrition / American Herbal Products Association Joint Task Force, December 14, 2000^{Errorl} Bookmark not defined.</sup> or by a procedure as described in Section 7.2.1. The testing determines the presence of the following pesticides:

- •
- •
- •

SEINC

BSR/UL 588, Standard for Safety for Seasonal and Holiday Decorative Products

1. Clarify requirements for series-connected lighting strings employing shrink tubing

PROPOSAL

22.2.1.2 The body of a lampholder which is less than 0.15 inch³ (2500 mm³) shall be:

- <u>a)</u> <u>Be</u> molded of a material that has a flammability rating of SC-0 or SC-1 in accordance with the Standard for Tests for Flammability of Small Polymeric Component Materials, UL 1694, when testing is performed on standardized flame bars of 55 (±0.5) × 13.0 (±0.5) mm at a thickness of 0.8 (±0.1) mm or less-, or
- b) For non-replaceable lamps, the body of the lampholder is permitted to consist of a tubing material suitable for use in Seasonal and Holiday Decorative Products, UL 588, that completes with the requirements described in the Standard for Extruded Insulated Tubing, UL 224, as well as the following:
 - 1) A minimum of two layers of tubing shall be used, one layer of tubing with double the required minimum thickness specified in UL 224, or one layer with additional mechanical protection such as a polymeric material surrounding the one layer, and
 - 2) When intended for Outdoor Use, the tubing shall be suitable for outdoor use.

In addition,t<u>T</u>he lampholders must comply with the Flammability Test for Small Components specified in UL 1694, except that the bottom of the lampholder shall be located 11.8 \pm 0.39 inch (300 \pm 10 mm) above the cotton indicator and the flame application time shall be 10 seconds. Total consumption of the component or specimen or ignition of the cotton indicator by flaming particles or drops shall not be allowed.

22.2.2.3 A polymeric material used for the body of a series-connected lampholder intended for outdoor use shall be resistant to Ultraviolet (UV) weathering and exposure to water as determined by compliance with the Ultraviolet (UV) Light Exposure and Water Immersion Tests, Section 94.

Exception No. 1: Materials that comply with the outdoor use requirements described in UL 746C, the Standard for Safety for Polymeric Materials – Use in Electrical Equipment Evaluations, <u>UL 746C, do not</u> need to be subjected to the tests in Section 94.

Exception No. 2: If Extruded Insulated Tubing is used as the lampholder, it shall comply with the outdooruse requirements described in UL 224, the Standard for Extruded Insulating Tubing, UL 224. The suitability of the extruded tubing and the elongation properties after UV conditioning shall be determined in end-use.

METAL BAR GRATING AMERICAN NATIONAL STANDARD - Page 116 of 119 pages ANSI/NAAMM STANDARD MBG 531 -17

METAL BAR GRATING MANUAL

EIGHTH EDITION

•	Maximum	Bearing	Bar	Depth			2 ¹	/2"	(63.5	mm)	
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- Maximum Bearing Bar Thickness
 Steel & Stainless Steel ³/₁₆" (4.8 mm)
 Aluminum ¹/₄" (6.4 mm)
- Maximum Depth of I-Bar..... 2¹/2" (63.5 mm)







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This standard was developed by representative members of the Metal Bar Grating Division (MBG) of the National Association of Architectural Metal Manufacturers (NAAMM) to provide their opinion and guidance on the design and specification of metal bar gratings. This standard contains advisory information only and is published as a public service by NAAMM. NAAMM and its Divisions disclaim all liability of any kind for the use, application, or adaptation of material published in this standard.

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FOREWORD

The NAAMM Metal Bar Grating Manual provides architects and engineers with current technical data on bar gratings and stair treads of steel, stainless steel, and aluminum. The information contained is based on sound engineering principles and reflects practices recommended by leading manufacturers in the industry.

The first seven editions of the manual have been widely used by the design professions. In preparing this eighth edition, the Metal Bar Grating Division of NAAMM has reviewed its contents in detail and has made revisions to reflect current practices.

The load tables in this edition are based on the design formulas and procedures found in ANSI/NAAMM MBG 534-14 Metal Bar Grating Engineering Design Manual, which was developed to provide a clearer understanding of the procedures used in the design of grating and treads.

Also included are metric equivalents as an aid to designers who use the metric system. The system of metric measurement used is from IEEE/ASTM SI 10-2010, "Standard for Use of the International System of Units (SI): The Modern Metric System".

The stair treads shown in this standard have been tested and conform to the requirements of OSHA 29CFR 1910.24(c), IBC 2012.

Changes from the previous edition, ANSI/NAAMM MBG 531-09 are indicated by the placement of a vertical line next to the changed item.

VALUES EXPRESSED IN THIS MANUAL ARE IN BOTH INCH-POUND UNITS AND SI UNITS. THE VALUES STATED IN INCH-POUND UNITS ARE TO BE REGARDED AS THE STANDARD.

CONTENTS Standard Marking System4 Minimum Sizes and Tolerances of Bars7 Load Tables / Inch-Pound units Load Tables / SI units Anchoring Details......14 Installation Clearances16 Standard Tread Nosings18 Tread Dimensions and Details19 Code of Standard Practice25

STANDARD SPECIFICATIONS

for Metal Bar Gratings and Treads

A Mediumscope Section under Division 5, Uniform System

I. SCOPE

These specifications apply to metal bar grating and/or metal bar grating treads as hereinafter defined and described.

II. DEFINITIONS

a) Metal bar grating is an open grid of metal bars. The bearing bars, which have a cross-sectional depth much greater than width, are held at regular spacing, usually parallel, either by:

- 1. Straight, sinuous or corrugated cross bars having their longitudinal axis perpendicular to the bearing bars and being connected to them by welding, forging or mechanical locking, or by
- 2. Bent connecting bars alternately contacting adjacent bearing bars and riveted to them at regular intervals.

b) A metal bar grating tread is a stair tread consisting of a panel of metal bar grating having a metal nosing section extending along one of its long edges and a carrier angle or plate at each end for connection to a stringer.

c) Definitions of other terms shall conform to those given in the Glossary of Terms in the Metal Bar Grating Manual.

III. MATERIALS

a) Steel gratings:

Steel used in bearing bars, cross bars and connecting bars of rectangular section shall have mechanical properties equal to, or greater than the performance of ASTM A 1011/A 1011M Commercial Steel (Type B) for hot rolled carbon steel sheet and strip. Cross bars made of wire rod shall conform to ASTM A 510/A 510M for carbon steel wire rods and coarse round wire, except that permissible tolerance on diameter of coarse round wire shall be \pm 0.005 in. (\pm 0.13 mm). Combinations of these steels are permitted to be welded together.

Rivets shall be of steel prescribed in ASTM A 575, 1/4 in. (6.4 mm) minimum diameter, flat head type.

b) Aluminum gratings:

Bearing bars shall be either alloy 6005A-T61, 6061-T6, 6105-T5, or alloy 6063-T6, conforming to ASTM B 221 (B 221M). Cross bars and bent connecting bars shall be of alloy 6061 or 6063 conforming to ASTM B 221 (B 221M), or alloy 3003 conforming to ASTM B 210 (B 210M).

Rivets shall be made of aluminum wire of alloy 6053-T61 conforming to ASTM B 316/B 316M.

c) Stainless steel gratings:

Bearing bars, cross bars, and connecting bars shall be Type 304, 304L, 316, or 316L alloy conforming to ASTM A 666. Rivets shall be of a Type 300 series alloy as prescribed in ASTM A 493.

IV. MINIMUM SIZE OF MEMBERS

a) Size of bearing bars shall conform to the tolerances shown in the Minimum Standard Section, page 7, of the Metal Bar Grating Manual.

b) Minimum dimensions of cross bars shall be as shown on page 7 of the Metal Bar Grating Manual.

c) Banding bars shall have the following minimum thicknesses:

with rectangular bearing bars, the thickness of the bearing bars to which they are attached:

with I-bar section bearing bars, 1/8 in. (3mm).

V. FABRICATION

Basic fabrication of welded, riveted and pressurelocked grating shall be as defined in the Glossary of Terms.

a) All tolerances shall be within the limits shown on page 20 of the Metal Bar Grating Manual.

b) Bandings, nosings, carriers and toe plates, when specified, shall be attached by welding as shown on page 21 of the Metal Bar Grating Manual.

c) All cutouts where more than one bearing bar is cut and bearing bars are not supported shall be load banded.

d) Unless specifically ordered otherwise, no welds anywhere on the grating will be ground.

e) Finishes: Carbon steel gratings shall be specified unfinished, galvanized, or painted one coat of manufacturer's standard paint applied in accordance with the manufacturer's standard practice. One coat of manufacturer's standard paint is designed as an economical solution for many applications. Gratings specified to be galvanized shall have their exposed surfaces zinc-coated by the hot dip process per ASTM A 123 after fabrication. Gratings and/or treads stored at the jobsite shall be covered or under roof. **Required covering is not the responsibility of the grating and/or tread supplier.**

Unless otherwise specified, abrasive nosings will have the manufacturer's standard finish.

Aluminum and stainless steel gratings shall have a mill (as fabricated) finish, unless otherwise specified.

VI. ANCHORS

Grating anchors shall be supplied by the manufacturer only when specified.