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CONTENTS

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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.

ACCA (Air Conditioning Contractors of America)

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Reaffirmation

BSR/ACCA 4 QM-2019 (R202x), Maintenance of Residential HVAC Systems (reaffirmation of ANSI/ACCA 4 QM-2019)
Stakeholders: HVAC contractors, designers and installers, HVAC equipment OEMs, HVAC maintenance personnel, building owners, code officials, and inspectors.

Project Need: This standard is to be reaffirmed with no proposed changes in accordance with ANSI 5-year essential requirements.

Interest Categories: HVAC contractors, designers and installers, HVAC equipment OEMs, HVAC maintenance personnel, building owners, code officials, and inspectors.

This standard provides a nationally recognized, manufacturer-endorsed set of minimum tasks that should be performed for HVAC equipment maintenance inspections. From this list, consumers can compare the value of the additional recommended corrective actions that may be needed to remedy identified faults. For contractors, it provides a common platform for creating a maintenance program while allowing for bundling different recommended corrective actions.

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

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New Standard

BSR/AHRI Standard 1530 202x (SI/I-P), Demand-Flexible Commercial Electric Storage Water Heaters (new standard)
Stakeholders: Groups and individuals known to be, or who have indicated that they are, directly and materially affected by the standard, including manufacturers, testers, regulators and trade or professional organizations.

Project Need: This standard will establish test requirements, methods of testing and verification, operating and physical requirements, minimum data requirements for published ratings, marking and nameplate, and data and conformance conditions, and conformance conditions to ensure that equipment is enabled to communicate in standardized messages and communication protocols.

Interest Categories: Consumer/User, General Interest, Product Manufacturer, Regulatory Agency, and Testing Laboratory

AHRI Standard 1530 will define demand flexibility requirements for commercial electric-storage water heaters. This standard applies to any electric-storage water heater with an input rate greater than 12 kW and including any heat-pump water heater with a maximum current rating greater than 24 amps or voltage greater than 250 volts. This includes products designed for use with a storage volume and products with fuel back-up. Not in scope of AHRI Standard 1530 are products covered in the scope of AHRI Standard 1430 and electric resistance water heaters rated less than or equal to 12kW.

ASTM (ASTM International)

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New Standard

BSR/ASTM WK90340-202x, New Guide for Sports Facility Padding (new standard)
Stakeholders: Sports Facilities Industry

Project Need: During the normal course of play, impacts between the athlete and walls or other fixed objects in close proximity, are to be expected. Such impacts pose a potential threat of injury to the athlete. Padding is one tool used to “protect” and reduce the likelihood of both catastrophic head injuries and other physical injuries. Padding will not eliminate the risk of injury. Depending on the sport and the proximity of the walls or fixed objects, the type of padding and the layout of that padding is likely to differ. This guide identifies specific considerations to help the designer, builder or operator make more informed decisions regarding the use of padding.

Interest Categories: Producer, User, General Interest

This is a guide for Sports Facility Padding that describes wall and fixed object padding practices in and around indoor and outdoor overall playing areas for sports and recreation. The intended use of this guide is to inform owners, facility operators, and designers/installers of the components and properties of sports padding and considerations for selecting wall and fixed object padding, where standards from sport governing bodies or sports associations are not available.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 1601-202x, Standard for Optical AC Current and Voltage Sensing Systems (new standard)
Stakeholders: Electric power industry professionals such as electric utilities, manufacturers, system integrators, etc.

Project Need: The project will update the previous version of this standard reflecting the changes in the industry and other relevant standards over the past decade.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https: //ieee.box.com/v/Interest-Categories

This standard addresses optical current and voltage sensing systems used in the measurement of electricity and the control of equipment associated with the generation, transmission, and distribution of alternating current. The standard assists in the proper selection of such sensing systems and provides a basis for interchanging them. Furthermore, the standard covers certain electrical, dimensional, mechanical, and performance characteristics of optical current and voltage sensing systems.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 1614-202x, Guide for AC Withstand Field-Testing of Shielded Power Cable Systems Rated 5 kV and Above with Continuous Alternating Voltage (new standard)
Stakeholders: Cable test companies, cable manufactures, engineering procurement companies, local distribution utilities, transmission utilities, power generation companies, industrial companies such as refineries, aluminum smelters etc. Also, test engineers, cable design engineers, cable system engineers, cable engineers.

Project Need: While constant voltage AC testing of medium-voltage (MV), high-voltage (HV), and extra-high-voltage (EHV) cables have been common practice in North America and internationally since the late 1970s and while other bodies such as IEC (International Electrotechnical Commission) and CIGRE (Conseil International des Grands Réseaux Electriques) have either standards, recommended practices, or guides for these tests, the IEEE has no such document for cables. Thus, there is a need for a standard from the IEEE for constant voltage AC testing of cable systems. For rotating machines and transformers, for instance, IEEE standards for constant voltage AC testing already exists.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https: //ieee.box.com/v/Interest-Categories

This guide covers the quality acceptance and maintenance tests of shielded insulated power cable systems rated 5 kV and above in the field. It provides instructions for the test setups, the required test voltage levels, the test procedures for simple withstand (with no Partial Discharge [PD] monitoring) and PD-monitored withstand as well as guidance for the evaluation of test data.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 1656-202x, Guide for Testing the Electrical, Mechanical, and Durability Performance of Wildlife Protective Devices on Overhead Power Distribution Systems Rated up to 38 kV (new standard)
Stakeholders: Manufacturers, testing labs, utilities and consultants

Project Need: There are currently no active test recommendations that the end user can specify regarding wildlife protective products. Failures have occurred in field applications therefore end users have specified a need and guidance for test recommendations that may be applicable. The stakeholders for the project are utility standards engineers, design engineers, and product manufacturers/developers.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https: //ieee.box.com/v/Interest-Categories

This guide applies to testing procedures of wildlife protective products installed on overhead electrical distribution systems rated up to and including 38 kV. The guide provides recommendations in accordance with industry standards for laboratory testing to help improve the reliability of these products and materials.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 1946-202x, Standard for Self-Healing Global Positioning System (GPS) Signals (new standard)
Stakeholders: Stakeholders include GPS systems owners/ operators and users such as: Government entities and public security; Industry verticals such as: Manufacturing, Energy, Transportation; Satellite administration: Internet service providers, Telecommunications, Maritime operations, Aviation operations, Large IT system operations. Interconnected devices/IoT (example: autonomous driving platforms).

Project Need: GPS systems are ubiquitous. As such, owners/operators of GPS systems and networks face dropouts, spoofing, jamming, cyber-attacks, and software errors, to name a few. Improvements in the self-healing capabilities of GPS services and operations, independent of their specific components, will likely reduce operational costs, improve customer trust in the systems, provide better functionality through increased uptime, and increase autonomous air mobility (AAM) capabilities.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https://ieee.box.com/v/Interest-Categories

This project addresses risks, threats, vulnerabilities, impacts, and countermeasures facing GPS navigation systems. The standard is limited to countermeasures for semi-autonomous self-healing systems. The standard is limited from medium earth orbit at approximately 20,200 km (10,900 nmi) to a ground station on earth. The standard specifies the signal initiation point from the satellite all the way down to the Supervisory Control and Data Acquisition (SCADA) interface of the hardware. Specifically, this may include High-Altitude Platform Systems (HAPS), application, network, and/or hardware layers, and vice-versa from the terminal ground station back to the satellite. Assuming the satellite is treated as a fixed-point location, this standard posits a time level T for the transfer of ephemerous data between satellites and ground stations.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 1947-202x, Standard for Quantum Cybersecurity Framework (new standard)
Stakeholders: Stakeholders include business executive level professionals, information technology professionals, cybersecurity professionals, other related technologists in industry verticals such as Chemical, Commercial Facilities, Emergency services, Government Facilities, and Transportation System.

Project Need: The advent of quantum computing introduces new threat vectors to current security, potentially compromising information systems and networks. There is a critical need for a standard to anticipate and mitigate the risk due to these threats, to help ensure a secure transition to the quantum era.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https://ieee.box.com/v/Interest-Categories

This standard describes a Quantum Cybersecurity Framework composed of two categories: (1) threat vectors to information processing (data) security including new vectors due to quantum computing and (2) defense mechanisms of advanced technologies tailored to the threat vectors. Threat vectors and the defense mechanisms include a holistic examination of vulnerabilities and risk mitigation for security comprising the combination of: (a) classical cryptography with post-quantum cryptography, (b) classical cryptography with quantum cryptography, (c) post-quantum cryptography with quantum cryptography, (d) other standard security protocols, (e) algorithms, and (f) security measurements.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 3337-202x, Standard for Requirements for Designing Accessible Intelligent Cyber-Physical Systems (AICS) for Well-Being (new standard)
Stakeholders: People who are aging, people with disabilities, utilities, internet providers services, communication services providers, and resource providers including local, municipal, regional, national governments, information providers, first responders, recommendation providers, artificial intelligence providers, robotics and device manufacturers.

Project Need: The need for the project is to develop resilient and sustainable solutions to attain quality of experience (QoE) and quality of life (QoL) to improve participation in society to resolve loss of connectivity for communication and information; power and energy loss for people requiring health-related equipment; information about people who need help for use by first responders; availability of accessibility and accommodation systems and features. in particular, the project is needed to reduce burden on individuals to provide their own resources for accommodation and accessibility. The project is needed for local and global communities to plan and deliver resources needed by the diversity of members.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https: //ieee.box.com/v/Interest-Categories

This standard defines requirements for designing accessible intelligent cyber-physical systems (AICS) in a series of standards. The AICS design requirements take into consideration diversity, equity, inclusion, and accessibility (DEIA).

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 3462-202x, Recommended Practice for Using Safety by Design in Generative Models to Prioritize Child Safety (new standard)
Stakeholders: AI Developers, AI Providers, Data Hosting Platforms, GPU Providers, Social Media Platforms, and Search Engines.

Project Need: We are at a crossroads with generative artificial intelligence (AI). Creating content at scale is easier now than ever before. In the same way that offline and online sexual harms against children have been accelerated by the internet, misuse of generative AI has profound implications for child safety, across victim identification, victimization, prevention, and abuse proliferation. The need is clear: we must mitigate the misuse of generative AI technologies to perpetrate, proliferate, and further sexual harms against children.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https: //ieee.box.com/v/Interest-Categories

This recommended practice follows a safety-by-design approach by providing recommendations for developing, deploying, and maintaining generative artificial intelligence models with adequate safeguards against child sexual abuse. The document provides a framework that expands child safety to the entire lifecycle of machine learning (ML): development, deployment, and maintenance stages. Each part in the process includes opportunities to prioritize child safety, regardless of data modality (i.e., text, image, video, audio) or whether an organization releases its technology as closed source or open source, or some release option between these two.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 3469-202x, Standard for an Environmental Liability Process Model for Accounting in Systems Engineering (new standard)
Stakeholders: Managers and engineers working on decarbonization initiatives in for-profit, not-for-profit, and government entities; regulators and standard setters; accountants and auditors; investors and their financial-service intermediaries; environmental advocates; academics in science, social science and engineering.

Project Need: Despite the urgency and need for climate-related corporate reporting, no common methodology has arisen to date that would allow companies to have an accounting system that would provide specific and trackable environmental aspects of their various activities and transactions. More effective means to reduce carbon emissions are needed, other than limiting carbon dioxide (CO2) emissions based on creating global emissions budgets and apportioning these top-down to countries and companies. While sometimes direct emissions are being reported with some accuracy by various companies, there is no established framework for determining emissions incurred in supply chains. The need for this standard is growing, as policymakers in the European Union (EU), the United Kingdom (UK) and the United States of America (US) have recently proposed or enacted regulations requiring the accurate reporting of CO2 emissions embodied in imported emission-intensive products such as steel, cement and electricity.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https://ieee.box.com/v/Interest-Categories

This standard, utilizing existing case studies from various verticals, such as manufacturing, energy and healthcare, describes a process model for environmental liability (e-liability) accounting for systems engineering and how that model should be introduced, adapted and applied. E-liability enables the accurate tracking and measurement of supply chain and own-company product emissions. It helps resolve issues related to double-counting and estimations in current carbon accounting practices, empowering organizations to generate real-time, precise, and auditable data for the entire lifecycle emissions of all their products and services. This standard is generalizable to accounting for other environmental applications and social impacts. This standard creates a systems process and a data model that can be used across the product development and implementation lifecycle. This model reflects emissions across the entire sourced supply and value chain. This standard enables informative product descriptions to include a quantitative estimate of carbon emissions produced. The standard provides a framework for adapting to and implementing its guidelines. Furthermore, the standard includes a framework on how to apply the standard to additional biodiversity and social impacts using this model.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE C37.246-202x, Guide for Protection Systems of Transmission-to-Generation Interconnections (new standard)
Stakeholders: Power system industry professionals such as utility and consultant relay protection engineers, designers, and regulators.

Project Need: To update the guide to reflect the changes that have happened in the industry like the increased use of inverter-based resources (IBRs) and energy storage since the guide was initially published. Asset owners and industry consultants will be educated based on the industry-recognized standard rather than on individual interconnection agreements of various utilities.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https://ieee.box.com/v/Interest-Categories

This guide documents accepted protection practices for transmission-to-generation interconnections. It covers protection system applications at the interconnections between transmission systems and generation facilities. This guide also applies to transmission-interconnected energy storage facilities. It does not cover distribution-interconnected energy resources but may apply to sub-transmission-interconnected energy resources.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE C37.431.10-202x, Guide for Functional Specification of Transmission Dynamic Reactive Power Compensators (DRPC) (new standard)
Stakeholders: Utilities, consultants, DRPC equipment manufacturers.

Project Need: There are several approaches available to implement dynamic reactive power compensation. The guide assists the users in understanding and specifying the general functional requirements of DRPCs independently of the technology or combination of technologies used. The guide replaces existing guides IEEE 1031 and IEEE 1052.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: https: //ieee.box.com/v/Interest-Categories

This guide assists users in specifying functional requirements for a transmission dynamic reactive power compensator (DRPC). It covers specifications, deployment, engineering studies, main component characteristics, system functions and features, factory testing, commissioning, and operations of the DRPC. The guide applies to any combination of technologies such as static var compensators (SVC) and static synchronous compensators (STATCOM), that may be coordinated with mechanically switched passive components. This guide does not apply to industrial or distribution applications.

NCPDP (National Council for Prescription Drug Programs)

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New Standard

BSR/NCPDP RDS Standard v30-202x, NCPDP Retiree Drug Subsidy Standard Implementation Guide v30 (new standard)
Stakeholders: Processor/Pharmacy Benefit Manager, Health plan, insurer, third party administrator

Project Need: Assist in the automation of summarized CMS Retiree Drug Subsidy cost and related data transfer from one processor/pharmacy benefit manager to another.

Interest Categories: Producer/Provider, Vendor/General Interest, Payer/Processor

The NCPDP Retiree Drug Subsidy Standard Implementation Guide assists in the automation of summarized drug cost and related data transfer from one processor/pharmacy benefit manager to another processor/pharmacy benefit manager for continuation of the CMS Retiree Drug Subsidy (RDS) cost data reporting by the receiving entity. This document pertains to subsidy data transfers from one processor/pharmacy benefit manager to another processor/pharmacy benefit manager during the middle of a subsidy plan/reporting year.

NECA (National Electrical Contractors Association)

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Revision

BSR/NECA 303-202x, Standard for Installing and Maintaining Video Surveillance Systems (revision of ANSI/NECA 303 -2019)
Stakeholders: Electrical contractors and their customers, Inspectors, Specifiers, Electricians, and Engineers.

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "professional and skillful" manner.

Interest Categories: Construction, General Interest, Producer, and Government

This Standard describes installation procedures for new video surveillance systems (previously referred to as closed-circuit television (CCTV) systems) and equipment installed for video surveillance and for protection of building interiors, building perimeter, and surrounding property. This publication applies to equipment, components, and accessories as required for a complete and functional video surveillance system for security and monitoring activities in non-hazardous locations both indoors and outdoors. It also covers periodic routine maintenance procedures for video surveillance systems.

NECA (National Electrical Contractors Association)

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Revision

BSR/NECA 413-202x, Standard for Installing and Maintaining Electric Vehicle Supply Equipment (EVSE) (revision of ANSI/NECA 413-2019)
Stakeholders: Electrical contractors and their customers, Inspectors, Specifiers, Electricians, and Engineers.

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "professional and skillful" manner.

Interest Categories: Construction, General Interest, Producer, and Government

This Standard describes the procedures for installing and maintaining AC Level 1, AC Level 2 and fast charging DC (initially known in the industry as AC Level 3 and currently known in the industry as DC Level 2) Electric Vehicle Supply Equipment (EVSE).

NECA (National Electrical Contractors Association)

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Revision

BSR/NECA 417-202X, Recommended Practice for Designing, Installing, Operating, and Maintaining Microgrids (revision of ANSI/NECA 417-2019)
Stakeholders: Electrical contractors and their customers, Inspectors, Specifiers, Electricians, and Engineers.

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "professional and skillful" manner.

Interest Categories: Construction, General Interest, Producer, and Government

This Recommended Practice applies to microgrids and provides recommended practices for their design, installation, commissioning, operation, and maintenance.

NEMA (ASC C82) (National Electrical Manufacturers Association)

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Revision

BSR C82.16-202X, Light Emitting Diode Drivers - Methods of Measurement (revision of ANSI C82.16-2023)
Stakeholders: LED Driver manufacturers, luminaire manufacturers, government entities, laboratories, and consultants

Project Need: This project is needed to add a new test method for AUX Power Supplies as described in ANSI C137.4 -2021. This revision will further clarify the Standby Power Test Methods.

Interest Categories: Producers, Users, General Interest

This standard describes the procedures to be followed and the precautions to be taken in measuring performance of LED drivers. The scope includes, but is not limited to, LED drivers with these characteristics: General lighting, exterior lighting, and roadway lighting applications, Input supply voltage up to 600 VDC or 600 VAC (50 or 60 Hz), Output open-circuit voltage of 600 V or less, Constant-current or constant-voltage direct current (DC) output, Fixed, variable (dimmable), pulse-width modulation, or programmable (tunable) output power, External (standalone) or internal (enclosed in luminaire).

NEMA (ASC C82) (National Electrical Manufacturers Association)

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Revision

BSR C82.18-202X, Light Emitting Diode Drivers - Performance Characteristics (revision of ANSI C82.18-2023)
Stakeholders: LED Driver manufacturers, luminaire manufacturers, government entities, laboratories, and consultants

Project Need: This project is needed to update references throughout the document.

Interest Categories: Producers, Users, General Interest

This standard provides specifications for and operating characteristics of non-integral electronic drivers (power supplies) for LED devices, arrays, or systems intended for general lighting applications, including indoor and outdoor, as well as specific cases such as power over ethernet (PoE), and luminaires or lighting systems assembled with two or more LED drivers. In the future, it may include other devices such as light fidelity (LiFi) or visual light communication (VLC). Electronic drivers are devices that use semiconductors to control and supply DC power for LED starting and operation. The drivers operate from supply sources up to 600 V AC or DC at a frequency of up to 60 Hz.

NEMA (National Electrical Manufacturers Association)

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New Standard

BSR NEMA SM 31000-10-202x, Electrical Submeter - Voltage Sensors Accuracy (new standard)
Stakeholders: Weights and Measures departments, testing laboratories, regulators, electricians, electrical contractors, electrical submeter manufacturers.

Project Need: The document covers requirements needed for accuracy certification of AC potential transformer and DC voltage sensors used in submetering systems.

Interest Categories: Producer, General Interest, Testing laboratories, User.

The standard describes accuracy performance and testing for AC potential transformers and DC voltage sensors used in electric energy submeter systems.

NEMA (National Electrical Manufacturers Association)

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New Standard

BSR NEMA SM 31000-3-202x, Electric Submeters - Revenue Billing Requirements (new standard)
Stakeholders: Weights and Measures departments, testing laboratories, regulators, electricians, electrical contractors, electric submeter manufacturers

Project Need: The standard intends to fill in the gaps between utility meter standards requirements and submeters used for billing applications. The standard is intended to be used for complete certification of a submeter system in these applications.

Interest Categories: Producer, General Interest, Testing Laboratories, User

The standard describes accuracy requirements and testing procedures to verify them for electrical submeter systems used for billing applications.

NEMA (National Electrical Manufacturers Association)

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New Standard

BSR NEMA SM 31000-5-202x, Electrical Submeter - DC Energy Accuracy (new standard)
Stakeholders: Weights and Measures departments, testing laboratories, regulators, electricians, electrical contractors, electric submeter manufacturers

Project Need: THe document covers requirements needed for accuracy certification of DC submetering systems.

Interest Categories: Producer, General Interest, Testing Laboratories, User

The standard describes accuracy performance and testing for DC electric energy submeter systems.

NEMA (National Electrical Manufacturers Association)

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New Standard

BSR NEMA SM 31000-6-202x, Electrical Submeter - Power Quality Measurements and Accuracy (new standard)
Stakeholders: Weights and Measures departments, testing laboratories, regulators, electricians, electrical contractors, electrical submeter manufacturers

Project Need: The document covers requirements needed for accuracy certification of power quality electric submetering systems.

Interest Categories: Producer, General Interest, Testing Laboratories, Users.

The standard describes accuracy performance and testing for energy power quality submeter systems

NEMA (National Electrical Manufacturers Association)

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New Standard

BSR NEMA SM 31000-8-202x, Electrical Submeter - Demand Metering (new standard)
Stakeholders: Weight and Measures departments, testing laboratories, regulators, electricians, electrical contractors, electrical submeter manufacturers.

Project Need: The document covers requirements needed for accuracy certification of demand electric submetering systems.

Interest Categories: Producer, General Interest, Testing Laboratories, User.

The standard describes accuracy performance and testing for demand electric energy submetering systems.

NEMA (National Electrical Manufacturers Association)

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New Standard

BSR NEMA SM 31000-9-202x, Electrical Submeter - Commissioning and Field Testing (new standard)
Stakeholders: Weights and Measures departments, testing laboratories, multi-tenant building owners, regulators, electricians, electrical contractors, electrical submeter manufacturers

Project Need: The field wiring of submeters has historically generated most of the reported problems for this type of equipment. Proper commissioning is intended to significantly reduce those. Field testing ensure that over time the accuracy of the measuring system remains within the listed tolerances.

Interest Categories: Producer, General Interest, Testing Laboratories, User

This standard establishes commissioning methods for AC and DC electrical energy submetering that include single or multi-circuit submeters and associated sensors. The field testing methods are intended to simplify verifying the accuracy of the system once properly installed.

RVIA (Recreational Vehicle Industry Association)

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Revision

BSR/RVIA RVEC-1-202x, Testing Requirements of Exterior Components for Recreational Vehicles (revision of ANSI/RVIA RVEC-1-2021)
Stakeholders: Recreational Vehicle (RV) manufacturers, RV component manufacturers and suppliers or assemblers of these products, RV dealers, RV distributors, RV transporters, and RV consumers (end users).

Project Need: The design, manufacture, assembly, and maintenance of vehicular components installed on recreational vehicles needs to be performed under controlled conditions and as part of a system of quality control practices. This standard has been developed as a voluntary guideline to clarify and assist in the proper testing of exterior components. This standard does not purport to state that any particular type of component or product should be used in any specific application or that any other particular practice, procedure, or methods will not achieve as good or better results, depending upon the particular circumstances involved, or will not be reasonably satisfactory for the type of operations the exterior component manufacturer performs, the type and volume of exterior components it produces, and other circumstances peculiar to its overall manufacturing and assembly processes.

Interest Categories: Producer, User, General Interest, Independent Expert, Insurance, Distributor, Government, Testing Lab

This standard provides uniform testing criteria and safety testing requirements for exterior components installed on recreational vehicles. The purpose of this standard, of laboratory test procedures, is to provide minimum safety criteria, through uniform testing, of exterior components when installed and used on recreational vehicles. This standard shall be applied to all new unused exterior components for recreational vehicles that have not been in use.

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

Katelyn Simpson <ksimpson@tcnatile.com> | 100 Clemson Research Blvd. | Anderson, SC 29625 www.tcnatile.com

New Standard

BSR A108.23-202x, Interior Installation of Foam Core Backer Boards (FCBs) (new standard)
Stakeholders: Ceramic tile installers, contractors, and builders (labor interest category), related material manufacturers (manufacturing interest category), distributors, retailers and consumers (user interest category), and affiliated industries and other general interest users of this standard (general interest category).

Project Need: Various stakeholders have suggested that a new standard be created regarding the installation of foam core backer boards.

Interest Categories: Hard Surface Flooring, Wall Covering, or Countertop Producers Installation Materials Manufacturers Labor Users General Interest

This standard covers the installation of foam core backer boards (FCBs) when used as a substrate for the installation of ceramic tile in interior applications.

Call for Comment on Standards Proposals

American National Standards

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

Comment Deadline: June 2, 2024

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

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

Addenda

BSR/ASHRAE Addendum h to Standard 209-2018, Energy Simulation Aided Design for Buildings except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE Standard 209-2018)
This addendum updates Modeling Cycle #2 - Conceptual Design Modeling and Modeling Cycle #3 - Load Reduction Modeling. These changes primarily clean up and clarify the language without changing scope of each cycle.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

NSF (NSF International)

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

Revision

BSR/NSF 49-202x (i191ar1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2022)
This standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to Biosafety Levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this standard.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Allan Rose <arose@nsf.org>

Comment Deadline: June 2, 2024

NSF (NSF International)

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

Revision

BSR/NSF 49-202x (i191br2), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2022)
This standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to Biosafety Levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this standard.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Allan Rose <arose@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF 455-2-202x (i59r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2022)
This standard is intended to define a standardized approach for auditing to determine the level of compliance of dietary supplement products to 21 CFR Part 111, as well as incorporating additional retailer requirements.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Rachel Brooker <rbrooker@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF 455-2-202x (i62r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2022)
This standard is intended to define a standardized approach for auditing to determine the level of compliance of dietary supplement products to 21 CFR Part 111, as well as incorporating additional retailer requirements.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Rachel Brooker <rbrooker@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF 455-2-202x (i65r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2022)
This standard is intended to define a standardized approach for auditing to determine the level of compliance of dietary supplement products to 21 CFR Part 111, as well as incorporating additional retailer requirements.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Rachel Brooker <rbrooker@nsf.org>

Comment Deadline: June 2, 2024

NSF (NSF International)

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

Revision

BSR/NSF/CAN 61-202x (i175r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2023)
This standard is intended to cover specific materials or products that come into contact with drinking water, drinking water treatment chemicals, or both. The focus of the standard is evaluation of contaminants or impurities imparted indirectly to drinking water.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Amy Jump <ajump@nsf.org>

SPRI (Single Ply Roofing Industry)

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

Revision

BSR/SPRI RP-14-202x, Wind Design Standard for Vegetative Roofing Systems (revision of ANSI/SPRI RP-14 -2022)
This standard provides a method of designing wind uplift resistance of vegetative roofing systems utilizing adhered roofing membranes. It is intended to provide a minimum design and installation reference for those individuals who design, specify, and install vegetative roofing systems. It shall be used in conjunction with, or enhanced by, the installation specifications and requirements of the manufacturer of the specific products used in the vegetative roofing system
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Info@spri.org, Linda King

ULSE (UL Standards & Engagement)

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

National Adoption

BSR/UL 62841-4-4-202x, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 4-4: Particular Requirements for Lawn Trimmers, Lawn Edge Trimmers, Grass Trimmers, Brush Cutters and Brush Saws (national adoption of IEC 62841-4 with modifications and revision of ANSI/UL 62841-4-4-2021)
(1) Revision to remove guarding requirements for grass trimmers, brush cutters and brush saws; (2)Revision to clarify impact test requirements for grass trimmers, brush cutters, and brush saws.
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 https://csds.ul.com/Home/ProposalsDefault.aspx.

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Evanston, Il 60201 | cynthia.byrne@ul.org, https://ulse.org/

Revision

BSR/UL 347-202x, Standard for Medium-Voltage AC Contactors, Controllers, and Control Centers (revision of ANSI/UL 347-2022)
Ballot of the following topics: (1) Grounding switch interlock test; (2) Field wiring in equipment designed for use with MV 90 cable.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Send comments (copy psa@ansi.org) to: Follow the instructions at the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

Comment Deadline: June 2, 2024

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709 | ashley.seward@ul.org, https://ulse.org/

Revision

BSR/UL 2157-202x, Standard for Electric Clothes Washing Machines and Extractors (revision of ANSI/UL 2157 -2019)
This project for UL 2157 covers: Proposed Fifth Edition of the Standard for Electric Clothes Washing Machines and Extractors Including the Following Proposals: (a) Removal of Wringer Washer Requirements; (b) Correction to Risk of Fire References; (c) Revising Thermocouple Requirements; (d) Proposed Method to Determine the Amount of Ventilation Provided by an Appliance; (e) Replacement Parts; (f) Mean Value of Input Current; (g) Change-of-Resistance Method; (h) Clarification of Water Heater Feature Requirements; (i) Leakage Current Requirements - Referencing UL 101; (j) Overfill Electronic Circuit Requirements; (k) Liquid Spillage Test Clarifications; (l) Proposal to Glass Loading Door and Lids Test of UL 2157 4th Edition; (m) Addition of UL 510A Insulating Tape; (n) Sound (Acoustic) Insulation Requirements; (o) Appliance Capacitor/EMI Filter Requirements; (p) Revision to Switch Requirements; (q) Control Requirement Revisions; (r) Motor Controls for Commercial Appliances; (s) Transition from UL 60950-1 to UL 62368-1; (t) Metal Enclosure Thickness; (u) Grounding Screws with Phillips Head; (v) Polymeric Materials Exposed to Ozone: Clarification; (w) Table 10 Revisions; (x) Clarification of Endurance Cycles for Control Devices; (y) Remote Safety Firmware/Software Update Requirements; (z) Plumbing Requirement Revision; (aa) Bottom Opening Requirements and Shorted Sheath Heating Elements; (ab) Nichrome Wire Test Procedure Change; and (ac) Latest Version of UL 4200A and Reese's Law.
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.

ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | celine.eid@ul.org, https://ulse.org/

Revision

BSR/UL 2239-202x, Standard for Hardware for the Support of Conduit, Tubing, and Cable (revision of ANSI/UL 2239-2022)
Add allowance for online installation instructions to UL 2239 Hardware for the Support of Conduit, Tubing, and Cable as allowed by NFPA 70 (2023) and CSA C22.2 No. 0:20.
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/ProposalAvailable"

ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | celine.eid@ul.org, https://ulse.org/

Revision

BSR/UL 4402-202x, Standard for Safety for Indoor Air Quality In Buildings and Facilities Utilized for the Cultivation,Production and Processing of Cannabis (revision of ANSI/UL 4402-2022)
Revisions to Clause 7.3.2.1.
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/ProposalAvailable"

Comment Deadline: June 2, 2024

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709 | ashley.seward@ul.org, https://ulse.org/

Revision

BSR/UL 8750-202x, Light Emitting Diode (LED) Equipment for Use in Lighting Products (revision of ANSI/UL 8750 -2022)
This project addresses the following topic: Clarifications and Additional Options - Risk of Electric Shock and Risk of Fire
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx.

Comment Deadline: June 17, 2024

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB BPR 193-202x, Best Practice Recommendations for Determining What Scene and Death Locations a Medicolegal Death Investigation Authority Should Respond to for Investigation (new standard)
This document provides best practice recommendations for determining when a response and investigation by a medicolegal death investigation authority are necessary. This document addresses which types of decedents, locations, and cases should be examined at the location of death, and at the incident scene. Details on how to conduct scene investigations are not addressed in this document.
Single copy price: Free
Obtain an electronic copy from: Document and comments template 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

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 196-202x, Standard for the Documentation and Processing of Shooting Scenes (new standard)
This document provides requirements for the documentation and processing of shooting scenes that may be subject to shooting reconstruction. This document does not provide complete protocols for conducting a full shooting reconstruction.
Single copy price: Free
Obtain an electronic copy from: Document and comments template 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

Comment Deadline: June 17, 2024

AGMA (American Gear Manufacturers Association)

1001 N. Fairfax Street, Suite 500, Alexandria, VA 22314 | olson@agma.org, www.agma.org

Reaffirmation

BSR/AGMA ISO 17485-A08, Bevel Gears - ISO System of Accuracy (reaffirm a national adoption ANSI/AGMA ISO 17485-A08 (R2014))
This International Standard establishes a classification system that can be used to communicate geometrical accuracy specifications of unassembled bevel gears, hypoid gears and gear pairs. It defines gear tooth accuracy terms, specifies the structure of the gear accuracy grade system, and provides allowable values. The standard provides the gear manufacturer and the gear buyer with a mutually advantageous reference for uniform tolerances. Ten grades are defined, numbered 2 to 11 in order of decreasing precision. Equations for tolerances and their ranges of validity are provided for bevel and hypoid gearing.
Single copy price: $194.00
Obtain an electronic copy from: tech@agma.org
Send comments (copy psa@ansi.org) to: Todd Praneis, tech@agma.org

AISC (American Institute of Steel Construction)

130 E. Randolph Street, Suite 2000, Chicago, IL 60601-6204 | gonner@aisc.org, www.aisc.org

Revision

BSR/AISC N690-202x, Specification for Safety-Related Steel Structures for Nuclear Facilities (revision of ANSI/AISC N690-2018)
This standard applies to the design of safety-related steel structures and steel elements in nuclear facilities. Structures and structural elements subject to this standard are those steel structures that are part of a safety-related system or that support, house, or protect safety-related systems or components, the failure of which would impair the safety-related functions of those systems or components.
Single copy price: $35.00
Obtain an electronic copy from: www.aisc.org/publicreview
Send comments (copy psa@ansi.org) to: Nathaniel Gonner at gonner@aisc.org

AMCA (Air Movement and Control Association)

30 West University Drive, Arlington Heights, IL 60004-1893 | jbrooks@amca.org, www.amca.org

Revision

BSR/AMCA 300-202x, Reverberation Room Methods of Sound Testing of Fans (revision of ANSI/AMCA Standard 300-2014)
AMCA 300 revises a method of determining the sound power levels of a fan. It was originally developed in response to the need for a reliable and accurate method of determining the sound power levels of fan equipment.
Single copy price: $90.00 for AMCA non-members; free for AMCA members
Obtain an electronic copy from: jbrooks@amca.org
Send comments (copy psa@ansi.org) to: Joseph Brooks <jbrooks@amca.org>

ASTM (ASTM International)

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

New Standard

BSR/ASTM E2072-202x, Specification for Photoluminescent (Phosphorescent) Safety Markings (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: June 17, 2024

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

New Standard

BSR/ASTM F1976-202x, Test Method for Impact Attenuation of Athletic Shoe Cushioning Systems and Materials (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

New Standard

BSR/ASTM WK72526-202x, Guide for Opinions on the Interpretation of Primer Gunshot Residue (pGSR) Analysis by Scanning Electron Microscopy/Energy Dispersive X-Ray Spectrometry (SEM/EDS) (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

New Standard

BSR/ASTM WK72856-202x, Practice for the Collection and Preservation of Organic Gunshot Residue (OGSR) (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

New Standard

BSR/ASTM WK73482-202x, Practice for Reporting Results and Opinions of Ignitable Liquids Analysis (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: June 17, 2024

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

New Standard

BSR/ASTM WK73484-202x, Standard Practice for Reporting Results and Opinions of Explosives Analysis (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

New Standard

BSR/ASTM WK78747-202x, Guide for Forensic Examination of Fibers (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

New Standard

BSR/ASTM WK78748-202x, Practice for Forensic Fiber Training Program (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

New Standard

BSR/ASTM WK78749-202x, Guide for Microspectrophotometry in Forensic Fiber Analysis (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

New Standard

BSR/ASTM WK81724-202x, Classification for Ignitable Liquids Encountered in Fire Debris Analysis (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: June 17, 2024

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK84882-202x, Practice for Testimony for Forensic Science Practitioners (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Revision

BSR/ASTM E1459-202x, Guide for Physical Evidence Labeling and Related Documentation (revision of ANSI/ASTM E1459-2013 (2018))
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Revision

BSR/ASTM E2073-202x, Test Method for Photopic Luminance of Photoluminescent (Phosphorescent) Markings (revision of ANSI/ASTM E2073-2019)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Revision

BSR/ASTM E2937-202x, Guide for Using Infrared Spectroscopy in Forensic Paint Examinations (revision of ANSI/ASTM E2937-2018)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: June 17, 2024

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

Revision

BSR/ASTM E3085-202x, Guide for Fourier Transform Infrared Spectroscopy in Forensic Tape Examinations (revision of ANSI/ASTM E3085-2017)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

Revision

BSR/ASTM F1163-202x, Specification for Protective Headgear Used in Horse Sports and Horseback Riding (revision of ANSI/ASTM F1163-2023)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

Revision

BSR/ASTM F2225-202x, Safety Specification for Consumer Trampoline Enclosures (revision of ANSI/ASTM F2225-2015 (R2020))
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

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

Revision

BSR/ASTM F2440-202x, Specification for Impact Attenuation of Wall Padding Used in Indoor Competitive and Recreational Sports Venues (revision of ANSI/ASTM F2440-2024)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: June 17, 2024

ASTM (ASTM International)

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

Revision

BSR/ASTM F2793-202x, Specification for Bicycle Grips (revision of ANSI/ASTM F2793-2014 (R2023))
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

AWS (American Welding Society)

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

Revision

BSR/AWS B2.1-8-024-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Austenitic Stainless Steel (M-8/P-8, Group 1), 1/16 inch [1.5 mm] through 1-1/2 inch [38 mm] Thick, ER3XX, As-Welded Condition Primarily Plate and Structural Applications (revision and redesignation of ANSI/AWS B2.1-8-024 -2023)
This standard contains the essential welding variables for austenitic stainless steel in the thickness range of 1/16 in [1.5 mm] through 1-1/2 in [38 mm], using manual gas tungsten arc welding. It cites the base metals and operating
conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet and groove welds. This SWPS was developed primarily for plate and structural applications.
Single copy price: $136.00
Obtain an electronic copy from: jrosario@aws.org
Send comments (copy psa@ansi.org) to: Same

AWS (American Welding Society)

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

Revision

BSR/AWS B2.1-8-025-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER3XX and E3XX-XX, As-Welded Condition, Primarily Plate and Structural Applications (revision and redesignation of ANSI/AWS B2.1-8-025-2023)
This standard contains the essential welding variables for austenitic stainless steel in the thickness range of 1/8 in [3 mm] through 1-1/2 in [38 mm], using manual gas tungsten arc welding followed by shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet and groove welds. This SWPS was developed primarily for plate and structural applications.
Single copy price: $136.00
Obtain an electronic copy from: jrosario@aws.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: June 17, 2024

AWS (American Welding Society)
8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | jrosario@aws.org, www.aws.org

Revision

BSR/AWS B2.1-8-212-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Austenitic Stainless Steel (M-8/P-8, Group 1), 1/16 inch [1.5 mm] through 1-1/2 inch [38 mm] Thick, ER3XX, As-Welded Condition, Primarily Pipe Applications (revision and redesignation of ANSI/AWS B2.1-8-212-2023)
This standard contains the essential welding variables for austenitic stainless steel in the thickness range of 1/16 in [1.5 mm] through 1-1/2 in [38 mm], using manual gas tungsten arc welding. It cites the base metals and operating
conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet and groove welds. This SWPS was developed primarily for pipe applications.
Single copy price: $136.00
Obtain an electronic copy from: jrosario@aws.org
Send comments (copy psa@ansi.org) to: Same

AWS (American Welding Society)
8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | jrosario@aws.org, www.aws.org

Revision

BSR/AWS B2.1-8-213-202x, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E3XX-XX, As-Welded Condition, Primarily Pipe Applications (revision and redesignation of ANSI/AWS B2.1-8-213-2023)
This standard contains the essential welding variables for austenitic stainless steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual shielded metal arc welding. It cites the base metals and operating
conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet and groove welds. This SWPS was developed primarily for pipe applications.
Single copy price: $136.00
Obtain an electronic copy from: jrosario@aws.org
Send comments (copy psa@ansi.org) to: Same

AWS (American Welding Society)
8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | jrosario@aws.org, www.aws.org

Revision

BSR/AWS B2.1-8-214-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER3XX and E3XX-XX, As-Welded Condition, Primarily Pipe Applications (revision and redesignation of ANSI/AWS B2.1-8-214-2023)
This standard contains the essential welding variables for austenitic stainless steel in the thickness range of 1/8 in [3 mm] through 1-1/2 in [38 mm], using manual gas tungsten arc welding followed by shielded metal arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet and groove welds. This SWPS was developed primarily for pipe applications.
Single copy price: $136.00
Obtain an electronic copy from: jrosario@aws.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: June 17, 2024

AWWA (American Water Works Association)

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

Revision

BSR/AWWA C518-202x, Double-Disc Swing-Check Valves for Waterworks Service, 2-in. Through 48-in. (50-mm Through 1,200-mm) NPS (revision of ANSI/AWWA C518-2018)
This standard establishes minimum requirements for double-disc swing-check valves, 2-in. (50-mm) through 48-in. (1,200-mm) NPS, with various body and end types for raw, potable, and reclaimed water having a pH range from 6 to 12 and a temperature range of 33–125°F (0.6–52°C).
Single copy price: Free
Obtain an electronic copy from: ETSsupport@awwa.org
Send comments (copy psa@ansi.org) to: AWWA, Paul J. Olson (polson@awwa.org)

AWWA (American Water Works Association)

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

Revision

BSR/AWWA C550-202x, Protective Interior Coatings for Valves and Hydrants (revision of ANSI/AWWA C550 -2017)
This standard describes protective interior coatings for valves used for water supply, wastewater collection and treatment, and reclaimed water service having a pH range from 4 to 9; and for hydrants used for water supply service. The standard describes the material, application, and performance requirements for these interior coatings. The coating shall not contain coal tar. These coatings are applied for protection of ferrous surfaces of valves and hydrants.
Single copy price: Free
Obtain an electronic copy from: ETSsupport@awwa.org
Send comments (copy psa@ansi.org) to: AWWA, Paul J. Olson (polson@awwa.org)

CSA (CSA America Standards Inc.)

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

Addenda

BSR Z21.58a-202x, Outdoor cooking gas appliances (same as CSA 1.6a) (addenda to ANSI Z21.58-2022/CSA 1.6-2022)
This Standard applies to newly produced outdoor cooking gas appliances constructed entirely of new, unused parts and materials. Outdoor cooking gas appliances submitted for examination under this Standard are classified as portable, stationary, or built-in.
Single copy price: Free
Obtain an electronic copy from: ansi.contact@csagroup.org
Send comments (copy psa@ansi.org) to: ansi.contact@csagroup.org

Comment Deadline: June 17, 2024

CSA (CSA America Standards Inc.)

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

Addenda

BSR Z21.89a-202x, Outdoor cooking specialty gas appliances (same as CSA 1.18a) (addenda to ANSI Z21.89 -2023)
This Standard applies to newly produced, outdoor cooking specialty gas appliances, hereinafter referred to as appliances, constructed entirely of new, unused parts and materials. Appliances submitted for examination under this Standard are classified as portable or stationary. These products are not intended for commercial use.
Single copy price: Free
Obtain an electronic copy from: ansi.contact@csagroup.org
Send comments (copy psa@ansi.org) to: Same

HI (Hydraulic Institute)

300 Interpace Parkway, Building A, 3rd Floor, #280, Parsippany, NJ 07054 | amoser@pumps.org, www.pumps.org

Revision

BSR/HI 14.1-14.2-202x, Rotodynamic Pumps for Nomenclature and Definitions (revision of ANSI/HI 14.1-14.2 -2019)
This standard is a normative document for nomenclature and definitions for rotodynamic pumps across various configurations and services.
Single copy price: $150.00
Obtain an electronic copy from: amoser@pumps.org
Send comments (copy psa@ansi.org) to: Alexander Moser <amoser@pumps.org>

NSF (NSF International)

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

Revision

BSR/NSF 3-202x (i23r1), Commercial Warewashing Equipment (revision of ANSI/NSF 3-2021)
This standard applies to commercial dishwashing, glasswashing, and pot, pan, and utensil washing machines that wash their contents by applying sprays of detergent solutions, with or without blasting media granules, and sanitize their contents by applying sprays of hot water or chemical sanitizing solutions.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/higherlogic/ws/public/download/74550/3i23r1%20-%20Clean%20Up%20Standard%203%20-%20JC%20Memo%20and%20Ballot.pdf
Send comments (copy psa@ansi.org) to: Allan Rose <arose@nsf.org>

Comment Deadline: June 17, 2024

RESNET (Residential Energy Services Network, Inc.)

P.O. Box 4561, Oceanside, CA 92052 | rick.dixon@resnet.us, www.resnet.us.com

Addenda

BSR/RESNET/ICC 301-202x Addendum C-202x, Interim Updates (addenda to ANSI/RESNET/ICC 301-2022)
Interim updates that address: clarifications to improve the consistency of rating software calculations; definitions and acronyms for terms used in the Standard; new federal HVAC appliance SEER2 and HSPF2 ratings and ceiling fan ratings; the treatment of shared water heater losses for multi-family dwelling units; balanced mechanical ventilation; duct leakage where all ducts are within conditioned space; carbon dioxide index calculations; onsite battery storage; multiple end-use loads; interior shading; reporting of the edition of standard ANSI/RESNET/ICC 301 that rating calculations are compliant with; interpretations issued for ANSI/RESNET/ICC 301-2022; other incidental changes.
Single copy price: $55.00
Obtain an electronic copy from: Download by following the “ANSI Standards & Amendments Out For Public Comment” link on webpage, https://www.resnet.us/about/standards/standards-currently-out-for-public-comment/
Send comments (copy psa@ansi.org) to: RESNET using the online form for the draft at https://www.resnet.us/about/standards/standards-currently-out-for-public-comment/, under link “ANSI Standards & Amendments Out For Public Comment”

RESNET (Residential Energy Services Network, Inc.)

P.O. Box 4561, Oceanside, CA 92052 | rick.dixon@resnet.us, www.resnet.us.com

Addenda

BSR/RESNET/ICC 301-202x Addendum F-202x, Integrated Heat Pump Water Heaters (addenda to ANSI/RESNET/ICC 301-2022)
Proposed addendum RESNET/ICC 301-2022 Addendum F-202x amends the 2022 edition of Standard 301 to define terms, provide clarifications, and enhance the assessment of integrated Heat Pump Water Heaters.
Single copy price: $55.00
Obtain an electronic copy from: Download by following the “ANSI Standards & Amendments Out For Public Comment” link on webpage, https://www.resnet.us/about/standards/standards-currently-out-for-public-comment/
Send comments (copy psa@ansi.org) to: RESNET using the online form for the draft at https://www.resnet.us/about/standards/standards-currently-out-for-public-comment/, under link “ANSI Standards & Amendments Out For Public Comment”

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Road, Exton, PA 19341-1318 | naden@scte.org, www.scte.org

Reaffirmation

BSR/SCTE 44-2018 (R202x), Test Method for DC Loop Resistance (reaffirmation of ANSI/SCTE 44-2018)
When attempting to place standardized performance values on a product, it is necessary to also provide standardized test methods to ensure repeatability of measurements. This document is intended to provide such a test method for the performance requirement of DC Loop Resistance of coaxial cables.
Single copy price: $50.00
Obtain an electronic copy from: standards@scte.org
Send comments (copy psa@ansi.org) to: standards@scte.org

Comment Deadline: June 17, 2024

SCTE (Society of Cable Telecommunications Engineers)
140 Philips Road, Exton, PA 19341-1318 | naden@scte.org, www.scte.org

Reaffirmation

BSR/SCTE 51-2018 (R202x), Method for Determining Drop Cable Braid Coverage (reaffirmation of ANSI/SCTE 51 -2018)
The purpose of this document is to provide instruction on the calculation of braid coverage for braided coaxial drop cables. Braid coverage is expressed as a percentage of optical coverage of the underlying core by the braid wires. It is a function of the diameter of the cable core, the diameter of the wire braid, the number of carriers (groups of wire ends), the number of individual wires in each carrier and the picks per inch (distance between each carrier crossing.)
Single copy price: $50.00
Obtain an electronic copy from: standards@scte.org
Send comments (copy psa@ansi.org) to: standards@scte.org

SCTE (Society of Cable Telecommunications Engineers)
140 Philips Road, Exton, PA 19341-1318 | naden@scte.org, www.scte.org

Reaffirmation

BSR/SCTE 59-2018 (R202x), Test Method for Drop Cable Center Conductor Bond to Dielectric (reaffirmation of ANSI/SCTE 59-2018)
This test is to determine the amount of bond between the center conductor wire to the dielectric (by measuring the force in pounds required to break the bond) for specified flexible RF coaxial drop cables at room temperature.
Single copy price: $50.00
Obtain an electronic copy from: standards@scte.org
Send comments (copy psa@ansi.org) to: standards@scte.org

SCTE (Society of Cable Telecommunications Engineers)
140 Philips Road, Exton, PA 19341-1318 | naden@scte.org, www.scte.org

Reaffirmation

BSR/SCTE 61-2018 (R202x), Test Method for Jacket Web Separation (reaffirmation of ANSI/SCTE 61-2018)
The purpose of this test procedure is to provide a test method for measuring the force required to separate webbed or “figure-eight” coaxial cable constructions. These designs are commonly referred to as messenger, dual, or Siamese cables for the two members that are joined by a web and common overall outer jacket. This procedure is for use in a lab environment to evaluate design and record forces required to remove one member from another. Also included is an industry “best practices” or recommended method for separating the co-joined members in a field application.
Single copy price: $50.00
Obtain an electronic copy from: standards@scte.org
Send comments (copy psa@ansi.org) to: standards@scte.org

Comment Deadline: June 17, 2024

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Road, Exton, PA 19341-1318 | naden@scte.org, www.scte.org

Reaffirmation

BSR/SCTE 174-2018 (R202x), Radio Frequency over Glass (RFoG) Specification (reaffirmation of ANSI/SCTE 174 -2018)
This document defines a fiber-to-the-home system optimized for compatibility with hybrid fiber-coax (HFC) plant, using the same end equipment at both the home and at the headend or hub. The RFoG system is defined to begin where the plant becomes passive, extending from that point to the home. This interface is referred to as the Optical Hub. There are many possible variations on the structure of the optical hub, depending on the needs of the system. The RFoG system is defined to terminate at the subscriber-side interface of an RFoG Optical Network Unit (R-ONU) at the home.
Single copy price: $50.00
Obtain an electronic copy from: standards@scte.org
Send comments (copy psa@ansi.org) to: standards@scte.org

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Road, Exton, PA 19341-1318 | naden@scte.org, www.scte.org

Withdrawal

ANSI/SCTE 68-2018, Drop Passives: Matching Transformers 75 to 300 (withdrawal of ANSI/SCTE 68-2018)
The purpose of this document is to specify recommended mechanical and electrical standards for broadband radio frequency (RF) devices whose primary purpose is to provide impedance and connector match between 75Ω coaxial type F and 300Ω twin-lead open-screw connectorized devices. The most common use for such devices is matching coaxial input cables from distribution systems to 300Ω balanced screw antenna terminals on indoor receivers. The specification is not intended to limit or restrict any manufacturer's innovation and improvement. The specification may be amended in the future as deemed appropriate.
Single copy price: $50.00
Obtain an electronic copy from: standards@scte.org
Send comments (copy psa@ansi.org) to: standards@scte.org

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | tjenkins@tiaonline.org, www.tiaonline.org

National Adoption

BSR/TIA 455-225-A-202x, End-face image analysis procedure for the calibration of optical fibre geometry test sets (identical national adoption of IEC 61745:2017 and revision of ANSI/TIA 455-225-2015)
Revise ANSI/TIA 455-225 and adopt IEC 61745:2017 - End-face image analysis procedure for the calibration of optical fibre geometry test sets. The entire document is open for comment.
Single copy price: $109.00
Obtain an electronic copy from: standards-process@tiaonline.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: June 17, 2024

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | tjenkins@tiaonline.org, www.tiaonline.org

National Adoption

BSR/TIA 455-231-A-202x, Calibration of fibre-optic power meters (identical national adoption of IEC 61315:2019 and revision of ANSI/TIA 455-231-2015)
Revise ANSI/TIA 455-231 and adopt IEC 61315:2019, Calibration of fibre-optic power meters. The entire document is open for comment.
Single copy price: $109.00
Obtain an electronic copy from: standards-process@tiaonline.org
Send comments (copy psa@ansi.org) to: Same

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 60079-15-2020 (R202x), Standard for Safety for Explosive Atmospheres - Part 15: Equipment Protection by Type of Protection n (reaffirm a national adoption ANSI/UL 60079-15-2020)
(1) Reaffirmation and continuance of the Fifth Edition of the Standard for Safety for Explosive Atmospheres – Part 15: Equipment Protection by Type of Protection “n”, UL 60079-15, as an American National Standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable

Comment Deadline: July 2, 2024

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME A17.4-2015 (R202x), Guide for Emergency Personnel (reaffirmation of ANSI/ASME A17.4-2015)
Guide for emergency personnel (fire, police, etc.), building owners, lessees, and building operating managers explaining the proper procedures to be used for the safe removal of passengers from stalled elevators. As well as providing information with regard to elevator firefighters' service procedures.
Single copy price: $38.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Geraldine Burdeshaw <burdeshawg@asme.org>

Comment Deadline: July 2, 2024

ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | hilal.elmisilmani@ul.org, https://ulse.org/

Revision

BSR/UL 875-202x, Standard for Electric Dry-Bath Heaters (revision of ANSI/UL 875-2020)
This standard covers electric dry-bath heating equipment and other equipment rated 600 volts or less that is intended to produce a dry-heat environment to be installed in accordance with the National Electrical Code, ANSI/NFPA 70. It does not cover steam-bath heaters, or cable-type radiant-heating equipment, nor any other electric heating equipment or appliances that are covered in separate, individual requirements. In this proposal, a new edition of this standard is proposed with the following proposed revision topics: (1) Revisions based on latest version of UL 4200A. (2) Removal of the reference to UL 6059, Outline for Particular Requirements for Switches for Tools. (3) Updates to Section 2.3 "Undated References", addition of a list of referenced standards, and revisions to some referenced standards.
Single copy price: Free
Order from: https://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions on the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable.

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1017-202x, Standard for Safety for Vacuum Cleaners, Blower Cleaners, and Household Floor Finishing Machines (revision of ANSI/UL 1017-2017 (R2023))
This Standard applies to motor-operated vacuum cleaners, blower cleaners, household-use floor sweepers, and floor-finishing machines. These requirements include central and ash vacuums, vacuum cleaners with steam cleaning attachments; Marine or RV installation; Portable, stationary, or fixed appliances; Wet or dry pick-up; Indoor or outdoor use; Coin-operation; Battery-operation, including automatic rechargeable vacuum cleaners. Blower cleaners; Indoor or outdoor use; and battery operation; Floor sweepers for Household use; and battery operation. Floor finishing machines including floor polishers, floor scrubbers, floor sanders, rug shampooers, extraction-type floor cleaning machines, rug and floor washers; Indoor or outdoor use; and battery operation. Current-carrying hoses and wall valves; Wet or dry pick-up; and Indoor use. Battery-operated cleaners, including automatic battery-powered cleaners; Units with a mass of 20 kg (44 lbs) or less; and Indoor use only. These requirements don’t cover appliances rated more than 250 V. This standard doesn’t apply to: Internal-combustion engine-powered floor cleaning machines for commercial use with or without traction drive, floor buffers, scrubbers, sweepers, spray extraction machines, polishers, Battery-operated floor cleaning machines for industrial use with traction drive; Commercial robotic floor treatment machines; Commercial floor finishing machines and Steam cleaners. These requirements don't cover machines that generate pressure over 2.5 MPa (360 psi).
Single copy price: Free
Order from: https://www.shopulstandards.com/
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable.

Project Withdrawn

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

NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Jeff.Noren@NECAnet.org, www.neca-neis.org

BSR/NECA 121-202X, Standard for Installing and Nonmetallic-Sheathed Cable (Type NM) and Underground Branch-Circuit Cable (Type UF) (new standard)
Send comments (copy psa@ansi.org) to: Jeff Noren <Jeff.Noren@NECAnet.org>

Final Actions on American National Standards

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

ASTM (ASTM International)

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

ANSI/ASTM E1459-2024, Guide for Physical Evidence Labeling and Related Documentation (revision of ANSI/ASTM E1459-2013 (2018)) Final Action Date: 4/16/2024 | *Revision*

ESTA (Entertainment Services and Technology Association)

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

ANSI/E1.68-2024, Recommended Practice for Evaluating DMX512 (ANSI E1.11) Interoperability (new standard) Final Action Date: 4/25/2024 | *New Standard*

ANSI/E1.1-2024, Wire Rope Ladders (revision of ANSI/E1.1-2018) Final Action Date: 4/25/2024 | *Revision*

ANSI/E1.11-2024, USITT DMX512-A, Asynchronous Serial Digital Data Transmission Standard for Controlling Lighting Equipment and Accessories (revision of ANSI E1.11-2008 (R2018)) Final Action Date: 4/25/2024 | *Revision*

ANSI/E1.21-2024, Temporary Structures Used for Technical Production of Outdoor Entertainment Events (revision of ANSI/E1.21-2023) Final Action Date: 4/25/2024 | *Revision*

HSI (Healthcare Standards Institute)

3004 Sea Pines Place, League City, TX 77573 | lwebster@ingenesis.com, www.hsi.health/

ANSI/HSI/ISO 7101-2024, Healthcare organization management - Management systems for quality in healthcare organizations - Requirements (identical national adoption of ISO/FDIS 7101) Final Action Date: 4/23/2024 | *National Adoption*

ANSI/HSI/ISO 23447-2024, Healthcare organization management - Hand hygiene performance (identical national adoption of ISO/FDIS 23447) Final Action Date: 4/23/2024 | *National Adoption*

IES (Illuminating Engineering Society)

85 Broad Street, 17th Floor, New York, NY 10004 | pmcgillicuddy@ies.org, www.ies.org

ANSI/IES LM-98-24-2024, Approved Method: Measuring In-Situ Temperature of Solid-State Lighting Components in Lamps and Luminaires (new standard) Final Action Date: 4/23/2024 | *New Standard*

MHI (Material Handling Industry)

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

ANSI MH28.1-2024, Design, Testing, and Utilization of Industrial Steel Bin Shelving (new standard) Final Action Date: 4/25/2024 | *New Standard*

ANSI MH28.4-2024, Design, Testing, and Utilization of Retail/Consumer Boltless Steel Shelving (new standard) Final Action Date: 4/25/2024 | *New Standard*

NSF (NSF International)

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

ANSI/NSF 173-2024 (i114r1), Dietary Supplements (revision of ANSI/NSF 173-2022) Final Action Date: 4/18/2024 | *Revision*

NSF (NSF International)

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

ANSI/NSF 455-2-2024 (i58r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2022) Final Action Date: 4/20/2024 | *Revision*

ANSI/NSF 455-2-2024 (i60r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2022) Final Action Date: 4/23/2024 | *Revision*

ANSI/NSF/CAN 60-2024 (i98r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60 -2021) Final Action Date: 4/23/2024 | *Revision*

ANSI/NSF/CAN 60-2024 (i99r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60 -2021) Final Action Date: 4/25/2024 | *Revision*

ULSE (UL Standards & Engagement)

1603 Orrington Ave., Suite 2000, Evanston, IL 60201 | anna.roessing-zewe@ul.org, https://ulse.org/

ANSI/UL 580-2009 (R2024), Standard for Safety for Tests for Uplift Resistance of Roof Assemblies (reaffirmation of ANSI/UL 580-2009 (R2019)) Final Action Date: 4/26/2024 | *Reaffirmation*

ANSI/UL 1569-2018 (R2024), Standard for Safety for Metal-Clad Cables (reaffirmation of ANSI/UL 1569-2018) Final Action Date: 4/22/2024 | *Reaffirmation*

ANSI/UL 60079-1-2020 (R2024), Standard for Explosive Atmospheres - Part 1: Equipment Protection by Flameproof Enclosures d (reaffirm a national adoption ANSI/UL 60079-1-2020) Final Action Date: 4/22/2024 | *Reaffirmation*

ANSI/UL 73-2024, Standard for Safety for Motor-Operated Appliances (revision of ANSI/UL 73-2023) Final Action Date: 4/24/2024 | *Revision*

ANSI/UL 147-2024, Standard for Safety for Hand-Held Torches for Fuel Gases (revision of ANSI/UL 147-2021) Final Action Date: 4/26/2024 | *Revision*

ANSI/UL 147A-2024, Standard for Safety for Nonrefillable (Disposable) Type Fuel Gas Cylinder Assemblies (revision of ANSI/UL 147A-2019) Final Action Date: 4/26/2024 | *Revision*

ANSI/UL 514C-2024, Standard for Safety for Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers (revision of ANSI/UL 514C-2020) Final Action Date: 4/26/2024 | *Revision*

ANSI/UL 982-2024, Motor-Operated Household Food Preparing Machines (revision of ANSI/UL 982-2021) Final Action Date: 4/23/2024 | *Revision*

ANSI/UL 8139-2024, Standard for Safety for Electrical Systems of Electronic Cigarettes and Vaping Devices (revision of ANSI/UL 8139-2020) Final Action Date: 4/26/2024 | *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.

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.

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 | jyeh2@ahrinet.org, www.ahrinet.org

BSR/AHRI Standard 1530 202x (SI/I-P), Demand-Flexible Commercial Electric Storage Water Heaters (new standard)

AISC (American Institute of Steel Construction)

130 E. Randolph Street, Suite 2000, Chicago, IL 60601-6204 | gonner@aisc.org, www.aisc.org

BSR/AISC N690-202x, Specification for Safety-Related Steel Structures for Nuclear Facilities (revision of ANSI/AISC N690-2018)

AWS (American Welding Society)

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

BSR/AWS B2.1-8-024-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Austenitic Stainless Steel (M-8/P-8, Group 1), 1/16 inch [1.5 mm] through 1-1/2 inch [38 mm] Thick, ER3XX, As-Welded Condition Primarily Plate and Structural Applications (revision and redesignation of ANSI/AWS B2.1-8-024 -2023)

AWS (American Welding Society)

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

BSR/AWS B2.1-8-025-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1 -1/2 inch [38 mm] Thick, ER3XX and E3XX-XX, As-Welded Condition, Primarily Plate and Structural Applications (revision and redesignation of ANSI/AWS B2.1-8-025-2023)

AWS (American Welding Society)

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

BSR/AWS B2.1-8-212-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Austenitic Stainless Steel (M-8/P-8, Group 1), 1/16 inch [1.5 mm] through 1-1/2 inch [38 mm] Thick, ER3XX, As-Welded Condition, Primarily Pipe Applications (revision and redesignation of ANSI/AWS B2.1-8-212-2023)

AWS (American Welding Society)

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

BSR/AWS B2.1-8-213-202x, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E3XX-XX, As-Welded Condition, Primarily Pipe Applications (revision and redesignation of ANSI/AWS B2.1-8-213-2023)

AWS (American Welding Society)

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

BSR/AWS B2.1-8-214-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1 -1/2 inch [38 mm] Thick, ER3XX and E3XX-XX, As-Welded Condition, Primarily Pipe Applications (revision and redesignation of ANSI/AWS B2.1-8-214-2023)

HI (Hydraulic Institute)

300 Interpace Parkway, Building A, 3rd Floor, #280, Parsippany, NJ 07054 | amoser@pumps.org, www.pumps.org

BSR/HI 14.1-14.2-202x, Rotodynamic Pumps for Nomenclature and Definitions (revision of ANSI/HI 14.1-14.2 -2019)

NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Jeff.Noren@NECAnet.org, www.neca-neis.org

BSR/NECA 303-202x, Standard for Installing and Maintaining Video Surveillance Systems (revision of ANSI/NECA 303-2019)

NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Jeff.Noren@NECAnet.org, www.neca-neis.org

BSR/NECA 413-202x, Standard for Installing and Maintaining Electric Vehicle Supply Equipment (EVSE) (revision of ANSI/NECA 413-2019)

NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Jeff.Noren@NECAnet.org, www.neca-neis.org

BSR/NECA 417-202X, Recommended Practice for Designing, Installing, Operating, and Maintaining Microgrids (revision of ANSI/NECA 417-2019)

NEMA (National Electrical Manufacturers Association)

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

BSR NEMA SM 31000-10-202x, Electrical Submeter - Voltage Sensors Accuracy (new standard)

NEMA (National Electrical Manufacturers Association)

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

BSR NEMA SM 31000-3-202x, Electric Submeters - Revenue Billing Requirements (new standard)

NEMA (National Electrical Manufacturers Association)

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

BSR NEMA SM 31000-8-202x, Electrical Submeter - Demand Metering (new standard)

NEMA (National Electrical Manufacturers Association)

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

BSR NEMA SM 31000-9-202x, Electrical Submeter - Commissioning and Field Testing (new standard)

NSF (NSF International)

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

BSR/NSF 3-202x (i23r1), Commercial Warewashing Equipment (revision of ANSI/NSF 3-2021)

NSF (NSF International)

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

BSR/NSF 49-202x (i191ar1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2022)

NSF (NSF International)

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

BSR/NSF 49-202x (i191br2), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2022)

NSF (NSF International)

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

BSR/NSF 455-2-202x (i59r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2022)

NSF (NSF International)

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

BSR/NSF 455-2-202x (i62r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2022)

NSF (NSF International)

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

BSR/NSF 455-2-202x (i65r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2022)

NSF (NSF International)

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

BSR/NSF/CAN 61-202x (i175r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2023)

RVIA (Recreational Vehicle Industry Association)

2465 J-17 Centreville Road, #801, Herndon, VA 20171 | treamer@rvia.org, www.rvia.org

BSR/RVIA RVEC-1-202x, Testing Requirements of Exterior Components for Recreational Vehicles (revision of ANSI/RVIA RVEC-1-2021)

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | tjenkins@tiaonline.org, www.tiaonline.org

BSR/TIA 455-225-A-202x, End-face image analysis procedure for the calibration of optical fibre geometry test sets (identical national adoption of IEC 61745:2017 and revision of ANSI/TIA 455-225-2015)

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | tjenkins@tiaonline.org, www.tiaonline.org

BSR/TIA 455-231-A-202x, Calibration of fibre-optic power meters (identical national adoption of IEC 61315:2019 and revision of ANSI/TIA 455-231-2015)

ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | hilal.elmisilmani@ul.org, https://ulse.org/

BSR/UL 875-202x, Standard for Electric Dry-Bath Heaters (revision of ANSI/UL 875-2020)

ULSE (UL Standards & Engagement)

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

BSR/UL 1017-202x, Standard for Safety for Vacuum Cleaners, Blower Cleaners, and Household Floor Finishing Machines (revision of ANSI/UL 1017-2017 (R2023))

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709 | ashley.seward@ul.org, https://ulse.org/

BSR/UL 8750-202x, Light Emitting Diode (LED) Equipment for Use in Lighting Products (revision of ANSI/UL 8750 -2022)

ULSE (UL Standards & Engagement)

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

BSR/UL 62841-4-4-202x, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 4-4: Particular Requirements for Lawn Trimmers, Lawn Edge Trimmers, Grass Trimmers, Brush Cutters and Brush Saws (national adoption of IEC 62841-4 with modifications and revision of ANSI/UL 62841-4-4-2021)

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)

Public Review of Application for ASD Accreditation

AdvaMed - Advanced Medical Technology Association

Comment Deadline: 6/3/2024

The Advanced Medical Technology Association (AdvaMed) has submitted an application for accreditation as a developer of American National Standards. AdvaMed's proposed scope of standards activity is:

Broad topics relevant to medical technology, manufacturers, and especially medical imaging, e.g. magnetic resonance, X-Ray, ultrasound focused ultrasound, and areas where they intersect, such as Cybersecurity and Artificial Intelligence. These would be topics that organizations beyond AdvaMed would be interested in and from whom would be important to get feedback.

As the proposed procedures are available electronically, the public review period is 30 days. To view or download a copy of SFIA's proposed operating procedures from ANSI Online during the public review period, click here.

Please send any comments by the public review deadline to: Carolyn Hull, Advance Medical Technology Association (AdvaMed) | 1301 Pennsylvania Avenue, Suite 400, Washington, DC 20004 | (202) 771-6497, chull@advamed.org (please copy jthompso@ansi.org)

American National Standards Under Continuous Maintenance

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

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

AAMI (Association for the Advancement of Medical Instrumentation)

AARST (American Association of Radon Scientists and Technologists)

AGA (American Gas Association)

AGSC (Auto Glass Safety Council)

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

ASME (American Society of Mechanical Engineers)

ASTM (ASTM International)

GBI (Green Building Initiative)

HL7 (Health Level Seven)

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)

TMA (The Monitoring 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

ACCA
Air Conditioning Contractors of America
1520 Belle View Boulevard, #5220
Alexandria, VA 22307
www.acca.org

David Bixby
david.bixby@acca.org

AGMA
American Gear Manufacturers Association
1001 N. Fairfax Street, Suite 500
Alexandria, VA 22314
www.agma.org

Phillip Olson
olson@agma.org

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

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jyeh2@ahrinet.org

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

Nathaniel Gonner
gonner@aisc.org

AMCA
Air Movement and Control Association
30 West University Drive
Arlington Heights, IL 60004
www.amca.org

Joseph Brooks
jbrooks@amca.org

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

Carmen King
cking@ashrae.org

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

Terrell Henry
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100 Barr Harbor Drive
West Conshohocken, PA 19428
www.astm.org

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AWS
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8669 NW 36th Street, Suite 130
Miami, FL 33166
www.aws.org

Jennifer Rosario
jrosario@aws.org

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

Madeline Rohr
mrohr@awwa.org

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

Debbie Chesnik
ansi.contact@csagroup.org

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

Richard Nix
standards@esta.org

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

Alexander Moser
amoser@pumps.org

HSI
Healthcare Standards Institute
3004 Sea Pines Place
League City, TX 77573
www.hsi.health/

Lee Webster
lwebster@ingenesis.com

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

Suzanne Merten
s.merten@ieee.org

IES
Illuminating Engineering Society
85 Broad Street, 17th Floor
New York, NY 10004
www.ies.org

Patricia McGillicuddy
pmcgillicuddy@ies.org

MHI
Material Handling Industry
8720 Red Oak Boulevard, Suite 201
Charlotte, NC 28217
www.mhi.org

Patrick Davison
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NCPDP
National Council for Prescription Drug Programs
9240 East Raintree Drive
Scottsdale, AZ 85260
www.ncpdp.org

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NECA
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Washington, DC 20004
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NSF
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RESNET
Residential Energy Services Network, Inc.
P.O. Box 4561
Oceanside, CA 92052
www.resnet.us.com

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RVIA
Recreational Vehicle Industry Association
2465 J-17 Centreville Road, #801
Herndon, VA 20171
www.rvia.org

Tyler Reamer
treamer@rvia.org

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

Natasha Aden
naden@scte.org

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

Linda King
info@spri.org

TCNA (ASC A108)
Tile Council of North America
100 Clemson Research Blvd.
Anderson, SC 29625
www.tcnatile.com

Katelyn Simpson
ksimpson@tcnatile.com

TIA
Telecommunications Industry Association
1320 North Courthouse Road, Suite 200
Arlington, VA 22201
www.tiaonline.org

Teesha Jenkins
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ULSE
UL Standards & Engagement
100 Queen Street, Suite 1040
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ULSE
UL Standards & Engagement
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Anna Roessing-Zewe
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ULSE
UL Standards & Engagement
47173 Benicia Street
Fremont, CA 94538
https://ulse.org/

Linda Phinney
Linda.L.Phinney@ul.org

ISO & IEC Draft International Standards

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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

Acoustics (TC 43)

ISO/DIS 1999, Acoustics - Estimation of noise-induced hearing loss - 7/13/2024, $102.00

Additive manufacturing (TC 261)

ISO/ASTM DIS 52937, Additive manufacturing of metals - Qualification principles - Tasks and related skills for AM - 7/11/2024, $40.00

Aircraft and space vehicles (TC 20)

ISO/DIS 10786, Space systems - Structural components and assemblies - 7/14/2024, $146.00

Biological evaluation of medical and dental materials and devices (TC 194)

ISO 10993-12:2021/DAmd 1, - Amendment 1: Biological evaluation of medical devices - Part 12: Sample preparation and reference materials - Amendment 1 - 7/13/2024, $40.00

ISO/DIS 14155, Clinical investigation of medical devices for human subjects - Good clinical practice - 7/14/2024, $155.00

ISO/DIS 10993-7, Biological evaluation of medical devices - Part 7: Ethylene oxide sterilization residuals - 7/11/2024, $165.00

Building construction (TC 59)

ISO/DIS 23387, Building information modelling (BIM) - Data templates for objects used in the life cycle of assets - 7/11/2024, $82.00

Cleanrooms and associated controlled environments (TC 209)

ISO/DIS 14644-5, Cleanrooms and associated controlled environments - Part 5: Operations - 7/11/2024, $88.00

Compressors, pneumatic tools and pneumatic machines (TC 118)

ISO/DIS 17104, Rotary tools for threaded fasteners - Impulse and impulsing tools - Performance test method - 7/11/2024, $98.00

Corrosion of metals and alloys (TC 156)

ISO/DIS 26146, Corrosion of metals and alloys - Method for metallographic examination of samples after exposure to high-temperature corrosive environments - 7/11/2024, $58.00

Dentistry (TC 106)

ISO/DIS 4823, Dentistry - Elastomeric impression and bite registration materials - 7/13/2024, $98.00

ISO/DIS 13504, Dentistry - General requirements for instruments and related accessories used in dental implant placement and treatment - 7/12/2024, $53.00

Geographic information/Geomatics (TC 211)

ISO/DIS 19109, Geographic information - General feature model and rules for application schema - 7/13/2024, $155.00

ISO/DIS 19152-5, Geographic information - Land Administration Domain Model (LADM) - Part 5: Spatial plan information - 7/13/2024, $93.00

Light metals and their alloys (TC 79)

ISO 23515:2022/DAmd 1, - Amendment 1: Titanium and titanium alloys - Designation system - Amendment 1: Titanium and titanium alloys - Designation system - Amendment 1 - 7/13/2024, $29.00

Non-destructive testing (TC 135)

ISO/DIS 16809, Non-destructive testing - Ultrasonic thickness determination - 7/11/2024, $102.00

ISO/DIS 16828, Non-destructive testing - Ultrasonic testing - Time-of-flight diffraction technique for detection and sizing of discontinuities - 7/11/2024, $82.00

Packaging (TC 122)

ISO/DIS 6590-1, Packaging - Terminology - Part 1: Paper sacks - 7/11/2024, $67.00

Petroleum products and lubricants (TC 28)

ISO/DIS 11365, Petroleum and related products - Maintenance and use guide for triaryl phosphate ester turbine control fluids - 7/13/2024, $88.00

Pulleys and belts (including veebelts) (TC 41)

ISO/DIS 5284, Conveyor belts - List of equivalent terms - 7/13/2024, $77.00

Rubber and rubber products (TC 45)

ISO/DIS 1382, Rubber - Vocabulary - 7/13/2024, $134.00

ISO/DIS 1436, Rubber hoses and hose assemblies - Wire-braid-reinforced hydraulic types for oil-based or water-based fluids - Specification - 7/12/2024, $58.00

ISO/DIS 19984-2, Rubber and rubber products - Determination of biobased content - Part 2: Biobased carbon content - 7/15/2024, $77.00

Starch (including derivatives and by-products) (TC 93)

ISO/DIS 21921, Oxidized Starch - Specifications and test methods - 7/12/2024, $40.00

Tobacco and tobacco products (TC 126)

ISO/DIS 21109, Nicotine pouches - Test method for pH - 7/12/2024, $40.00

Transport information and control systems (TC 204)

ISO/DIS 7856, Intelligent transport systems - Remote support for low speed automated driving systems (RS-LSADS) - Performance requirements, system requirements and performance test procedures - 7/12/2024, $125.00

Water quality (TC 147)

ISO/DIS 17244, Water quality - Determination of the toxicity of water samples on the embryo-larval development of Japanese oyster (Magallana gigas) and mussel (Mytilus edulis or M. galloprovincialis) - 7/13/2024, $93.00

ISO/DIS 16094-3, Water quality - Analysis of microplastic in water - Part 3: Thermo-analytical methods for waters with low content of suspended solids including drinking water - 7/15/2024, $77.00

Welding and allied processes (TC 44)

ISO/DIS 15614-9, Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 9: Underwater hyperbaric wet welding - 7/14/2024, $112.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 18014-1:2008/DAmd 1, - Amendment 1: Information technology - Security techniques - Time-stamping services - Part 1: Framework - Amendment 1 - 7/15/2024, $33.00

ISO/IEC DIS 19785-3, Information technology - Common Biometric Exchange Formats Framework - Part 3: Patron format specifications - 7/15/2024, $175.00

ISO/IEC DIS 19785-4, Information technology - Common Biometric Exchange Formats Framework - Part 4: Security block format specifications - 7/15/2024, $71.00

IEC Standards

All-or-nothing electrical relays (TC 94)

94/990/CDV, IEC 63522-0 ED1: Electrical relays - Tests and Measurements - Part 0: General and Guidance, 07/19/2024

94/983/CDV, IEC 63522-33 ED1: Electrical relays - Tests and Measurements - Part 33: Continuity of protective earth connection, 07/19/2024

94/984/CDV, IEC 63522-34 ED1: Electrical relays - Testing and Measurement - Part 34: Fluid contamination, 07/19/2024

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

100/4143/CD, IEC TS 63528 ED1: MULTIMEDIA SYSTEMS - HAPTICS - Haptics stimuli descriptors, 06/21/2024

Electric cables (TC 20)

20/2180/NP, PNW 20-2180 ED1: Electric cables - Calculation of the current rating - Part 1-4: Current rating equations (100 % load factor) and calculations of losses - Losses in Armoured Three Core Power Cables, 05/24/2024

Electroacoustics (TC 29)

29/1175/NP, PNW 29-1175 ED1: Electroacoustics - Measurement microphones - Part 9: Specifications for transfer standard microphones, 05/24/2024

Fibre optics (TC 86)

86B/4904(F)/FDIS, IEC 61300-2-22 ED3: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-22: Tests - Change of temperature, 05/17/2024

Flat Panel Display Devices (TC 110)

110/1629/CDV, IEC 62977-2-8 ED1: Electronic Displays - Part 2 -8: Measurements of optical characteristics - Reflective displays, 07/19/2024

Fuses (TC 32)

32C/638/FDIS, IEC 60127-8/AMD1 ED1: Miniature fuses - Part 8: Fuse resistors with particular overcurrent protection, 06/07/2024

Hydraulic turbines (TC 4)

4/496/NP, PNW 4-496 ED1: Technical specification for joint control of hydropower plants, 07/19/2024

Industrial-process measurement and control (TC 65)

65E/1082/FDIS, IEC 62382 ED3: Control systems in the process industry - Electrical and instrumentation loop check, 06/07/2024

65A/1115/FDIS, IEC 63303 ED1: Human machine interfaces for process automation systems, 06/07/2024

Lamps and related equipment (TC 34)

34/1195/CD, IEC 63545 ED1: Horticultural luminaires - Safety, 07/19/2024

Maritime navigation and radiocommunication equipment and systems (TC 80)

80/1118/CD, IEC 63514 ED1: Maritime navigation and radiocommunication equipment and systems - VHF Data Exchange System (VDES) - Shipborne mobile station - Operational and performance requirements, methods of test and required test results, 07/19/2024

Measuring equipment for electromagnetic quantities (TC 85)

85/921/FDIS, IEC 60688 ED5: Electrical measuring transducers for converting AC and DC electrical quantities to analogue or digital signals, 06/07/2024

85/920/FDIS, IEC 62974-1 ED2: Monitoring and measuring systems used for data collection, aggregation and analysis - Part 1: Device requirements, 06/07/2024

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

113/825/DTS, ISO TS 80004-13 ED2: Nanotechnologies - Vocabulary - Part 13: Graphene and related two-dimensional (2D) materials, 06/14/2024

Nuclear instrumentation (TC 45)

45A/1533/CD, IEC/IEEE 62671 ED2: Nuclear power plants - Instrumentation and control important to safety - Selection and use of industrial digital devices of limited functionality, 06/21/2024

Power system control and associated communications (TC 57)

57/2672/CD, IEC TR 62351-90-4 ED1: Power systems management and associated information exchange - Data and communications security - Part 90-4: Migration of cryptographic algorithms, 07/19/2024

Process Management for Avionics (TC 107)

107/416(F)/FDIS, IEC 62668-1/AMD1 ED1: Amendment 1 - Process management for avionics - Counterfeit prevention - Part 1: Avoiding the use of counterfeit, fraudulent and recycled electronic components, 05/10/2024

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

116/760(F)/FDIS, IEC 62841-2-18 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-18: Particular requirements for hand-held strapping tools, 05/24/2024

116/758(F)/FDIS, IEC 62841-2-19 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-19: Particular requirements for hand-held jointers, 05/24/2024

116/749/CDV, IEC 62841-2-22 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-22: Particular requirements for hand-held cut-off machines, 06/21/2024

116/761(F)/FDIS, IEC 62841-3-3 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-3: Particular requirements for transportable planers and thicknessers, 05/24/2024

Semiconductor devices (TC 47)

47D/967/CDV, IEC 63378-3 ED1: Thermal standardization on semiconductor packages - Part 3: Thermal circuit simulation models of discrete semiconductor packages for transient analysis, 07/19/2024

47D/969/CD, IEC 63378-6 ED1: Thermal standardization on semiconductor packages - Part 6: Thermal resistance and capacitance model for transient temperature prediction at junction and measurement points, 07/19/2024

47E/834/NP, PNW 47E-834 ED1: Semiconductor devices - Part 5 -19: Optoelectronic devices - Light emitting diodes - Test method of the micro photoluminescence for chip wafers of micro light emitting diodes, 07/19/2024

Standard voltages, current ratings and frequencies (TC 8)

8/1703/CD, IEC 60050-617 ED2: International Electrotechnical Vocabulary (IEV) - Part 617: Organization/Market of electricity, 07/19/2024

ISO/IEC JTC 1, Information Technology

(TC)

JTC1-SC41/429/DTR, ISO/IEC TR 30189-1 ED1: Internet of Things (IoT) - IoT-based management of tangible cultural heritage assets - Part 1: Framework, 06/21/2024

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

Audit data collection (TC 295)

ISO 5401:2024, Audit data collection - Customs and indirect tax extension, $194.00

Biotechnology (TC 276)

ISO 18209-1:2024, Biotechnology - Biobanking of parasites - Part 1: Helminths, $124.00

Corrosion of metals and alloys (TC 156)

ISO 7539-6:2018/Amd 1:2024, - Amendment 1: Corrosion of metals and alloys - Stress corrosion testing - Part 6: Preparation and use of precracked specimens for tests under constant load or constant displacement - Amendment 1, $23.00

Gas cylinders (TC 58)

ISO 14456:2024, Gas cylinders - Gas properties and associated classification (FTSC) codes, $223.00

Gears (TC 60)

ISO 10828:2024, Worm gears - Worm profiles and gear mesh geometry, $278.00

Innovation management (TC 279)

ISO 56008:2024, Innovation management - Tools and methods for innovation operation measurements - Guidance, $250.00

Natural gas (TC 193)

ISO 2615:2024, Analysis of natural gas -Biomethane - Determination of the content of compressor oil, $124.00

Petroleum products and lubricants (TC 28)

ISO 8068:2024, Lubricants, industrial oils and related products (class L) - Family T (Turbines) - Specifications for lubricating oils for turbines, $166.00

ISO 8216-1:2024, Products from petroleum, synthetic and renewable sources - Fuels (class F) classification - Part 1: Categories of marine fuels, $54.00

Plain bearings (TC 123)

ISO 3548-1:2022/Amd 1:2024, - Amendment 1: Plain bearings - Thin-walled half bearings with or without flange - Part 1: Tolerances, design features and methods of test - Amendment 1, $23.00

Rubber and rubber products (TC 45)

ISO 2398:2024, Rubber hoses, textile-reinforced, for compressed air - Specification, $54.00

ISO 6472:2024, Rubber compounding ingredients - Abbreviated terms, $166.00

ISO 6916-2:2024, Flexible cellular polymeric materials - Sponge and expanded cellular rubber products - Part 2: Specification for mouldings and extrusions, $166.00

Service activities relating to drinking water supply systems and wastewater systems - Quality criteria of the service and performance indicators (TC 224)

ISO 24591-2:2024, Smart water management - Part 2: Data management guidelines, $81.00

Soil quality (TC 190)

ISO 23611-2:2024, Soil quality - Sampling of soil invertebrates - Part 2: Sampling and extraction of micro-arthropods (Collembola and Acarina), $124.00

Solid biofuels (TC 238)

ISO 18847:2024, Solid biofuels - Determination of particle density of pellets and briquettes, $124.00

Solid mineral fuels (TC 27)

ISO 17246:2024, Coal and coke - Proximate analysis, $54.00

Surface chemical analysis (TC 201)

ISO 23124:2024, Surface chemical analysis - Measurement of lateral and axial resolutions of a Raman microscope, $81.00

Surgical instruments (TC 170)

ISO 7151:2024, Surgical instruments - Non-cutting, articulated instruments - General requirements and test methods, $54.00

Technical systems and aids for disabled or handicapped persons (TC 173)

ISO 16840-2:2018/Amd 1:2024, - Amendment 1: Wheelchair seating - Part 2: Determination of physical and mechanical characteristics of seat cushions intended to manage tissue integrity - Amendment 1: Updates and addition of new Annex covering alternatively sized cushions, $23.00

ISO 16840-10:2021/Amd 1:2024, - Amendment 1: Wheelchair seating - Part 10: Resistance to ignition of postural support devices - Requirements and test method - Amendment 1: Amended with additional Annexes and test method, $23.00

Terminology (principles and coordination) (TC 37)

ISO 24613-6:2024, Language resource management - Lexical markup framework (LMF) - Part 6: Syntax and semantics, $81.00

Welding and allied processes (TC 44)

ISO 3677:2024, Filler metal for brazing - Designation, $54.00

ISO 17672:2024, Brazing - Filler metals, $166.00

ISO 10882-1:2024, 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, $194.00

ISO 10882-2:2024, Health and safety in welding and allied processes - Sampling of airborne particles and gases in the operators breathing zone - Part 2: Sampling of gases, $166.00

ISO Technical Specifications

Document imaging applications (TC 171)

ISO/TS 32004:2024, Document management - Portable Document Format - Integrity protection in encrypted documents in PDF 2.0, $124.00

Technical systems and aids for disabled or handicapped persons (TC 173)

ISO/TS 16840-15:2024, Wheelchair seating - Part 15: Selection, placement and fixation of flexible postural support devices in seating, $250.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 33071:2016/Cor 1:2024, Corrigendum, FREE

ISO/IEC 5087-2:2024, Information technology - City data model - Part 2: City level concepts, $223.00

ISO/IEC 22460-2:2024, Cards and security devices for personal identification - ISO UAS license and drone/UAS security module - Part 2: Drone/UAS security module, $166.00

ISO/IEC 23008-6:2021/Amd 1:2024, - Amendment 1: Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 6: 3D audio reference software - Amendment 1: Corrections for closest loudspeaker playout and increased software resilience, $23.00

IEC Standards

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

IEC 62841-2-7 Ed. 1.0 b:2024, Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-7: Particular requirements for hand-held spray guns, $148.00

Surface mounting technology (TC 91)

IEC 61189-2-808 Ed. 1.0 b:2024, Test methods for electrical materials, printed board and other interconnection structures and assemblies - Part 2-808: Thermal resistance of an assembly by thermal transient method, $148.00

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

IEC 60947-1 Ed. 6.0 b Cor.2:2024, Corrigendum 2 - Low-voltage switchgear and controlgear - Part 1: General rules, $0.00

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 100 – Chains and chain sprockets for power transmission and conveyors

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 100 – *Chains and chain sprockets for power transmission and conveyors* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by the China (SAC).

ISO/TC 100 operates under the following scope:

Standardization in the field of power transmission chains, conveyor chains and chain wheels.

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

Call for U.S. TAG Administrator

ISO/TC 107 – Metallic and other inorganic coatings and Subcommittees

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 107 – *Metallic and other inorganic coatings*, or any of the active Subcommittees, and therefore ANSI is not a member of these committees. The Secretariats for the committees are held by:
ISO/TC 107 – *Metallic and other inorganic coatings*: Republic of Korea (KATS)
ISO/TC 107/SC 3 – *Electrodeposited coatings and related finishes*: Republic of Korea (KATS)
ISO/TC 107/SC 4 – *Hot dip coatings (galvanized, etc.)*: United Kingdom (BSI)
ISO/TC 107/SC 7 – *Corrosion tests*: Japan (JISC)
ISO/TC 107/SC 8 – *Chemical conversion coatings*: Republic of Korea (KATS)
ISO/TC 107/SC 9 – *Physical vapor deposition coatings*: China (SAC)

ISO/TC 107 operates under the following scope:

· *Standardization of the characteristics of protective and decorative metallic coating applied by electrolysis, fusion, vacuum or chemical means, mechanical deposition, ion plating.*
· *Standardization of the characteristics of protective and decorative non-metallic coatings (excluding paints and other organic coatings) on metal surface applied by electrolysis, fusion, vacuum or chemical means.*
· *Standardization of testing and inspection methods for such coatings.*
· *Standardization of the preparation of the substrates prior to the deposition of metallic and inorganic coatings.*

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

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 170 – Surgical instruments

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 170 – *Surgical instruments* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by the Germany (DIN).

ISO/TC 170 operates under the following scope:

Standardization in the field of surgical instruments such as forceps, scissors, scalpels and retractors.

Excluded: specific instruments which are dealt with in ISO/TC 106 - Dentistry, and ISO/TC 150 - Implants for surgery.

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

Call for U.S. TAG Administrator

ISO/TC 52 – Light gauge metal containers

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 52 – *Light gauge metal containers* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by the China (SAC).

ISO/TC 52 operates under the following scope:

Standardization in the field of light gauge metal containers with a nominal material thickness up to or equal to 0.49 mm.

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

International Organization for Standardization (ISO)

USNC TAG Administrator – Organization Needed

USNC TAG to IEC/SC 61D Appliances for air-conditioning for household and similar purposes

Response Deadline: May 3, 2024

Air-Conditioning, Heating, and Refrigeration Institute (AHRI) is relinquishing its role as the USNC TAG Administrator for the USNC TAG to IEC/SC 61D *Appliances for air-conditioning for household and similar purposes*. The USNC is looking for a new organization to take on this USNC TAG Administratorship.

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

If any organizations are interested in the position of USNC TAG Administrator for the USNC TAG to IEC/SC 61D, they are invited to contact Betty Barro at bbarro@ansi.org by 3 May 2024.

Please see the scope for SC 61D below:

Scope

To prepare international safety standards dealing with electrical equipment used in residential, commercial or light industrial applications primarily for the purpose of conditioning air and which contain a refrigeration or heating cycle using a motor compressor or based on the absorption principle.

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 non-notified 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): https://www.wto.org/english/tratop_e/tbt_e/tbt_e.htm
USA TBT Enquiry Point: https://www.nist.gov/standardsgov/usa-wto-tbt-enquiry-point
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: https://www.fas.usda.gov/topics/trade-policy/trade-agreements
Tracking regulatory changes: https://www.fas.usda.gov/tracking-regulatory-changes-wto-members
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 usatbtep@nist.gov or notifyus@nist.gov.

BSR/ASHRAE Addendum *h* to
ANSI/ASHRAE Standard 209-2018

First Public Review Draft

Proposed Addendum *h* to Standard 209-2018, Energy Simulation Aided Design for Buildings except Low-Rise Residential Buildings

First Public Review Draft (May 2024)
(Draft shows Proposed Changes to Current Standard)

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

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

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ASHRAE, 180 Technology Parkway, Peachtree Corners, GA 30092

Foreword

The existing language workgroup proposed the changes below to update Modeling Cycle #2 - Conceptual Design Modeling and Modeling Cycle #3 - Load Reduction Modeling. These changes primarily clean up and clarify the language without changing scope of each cycle.

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

6.2 Modeling Cycle #2—Conceptual Design Modeling

6.2.1 Purpose. Evaluate energy improvements that are tied to the form and architecture of the building.

6.2.2 Applicability. This *modeling cycle* applies to projects where the form and architecture of the building are still subject to design changes before *schematic design* begins. This *modeling cycle* applies to buildings with internal equipment/*process loads* less than 75% of overall energy breakdown.

6.2.3 Analysis. Create *energy models* based on architectural conceptual designs to ~~calculate~~ estimate annual building energy consumption by end use and peak heating and cooling loads with identical *HVAC systems*, internal occupancy, and equipment/*process loads*.

Exception: When HVAC system selection impacts the architectural form, multiple HVAC systems may be modeled.

6.2.3.1 Perform comparative analyses of the conceptual designs options to inform design decisions.

~~**6.2.3.2** Provide recommendations to improve the energy performance of each conceptual design.~~

6.3 Modeling Cycle #3—Load Reduction Modeling

6.3.1 Purpose. Identify the distribution of energy by end use. Evaluate strategies that will reduce annual energy ~~use~~ consumption, heating, and cooling peak loads, and peak demand for electricity and other *energy sources*.

6.3.2 Applicability. Required for all projects, this *modeling cycle* shall be completed prior to the final selection of *HVAC system* type and prior to the end of *schematic design*.

6.3.3 Analysis

6.3.3.1 Create an *energy model* based on the *baseline* design, and calculate the annual *energy end uses* and heating and cooling peak loads.

6.3.3.2 Develop a list of at least three peak load reduction strategies selected from one or more of the following categories:

a. Building envelope (including, but not limited to, insulation level, window-to-wall ratio, glazing performance, shading, infiltration, phase change materials, and thermal mass)
b. Lighting and daylighting
c. Internal equipment loads
d. Outdoor air (including, but not limited to, outdoor airflow, exhaust air, and energy recovery)
e. Passive conditioning and natural ventilation

When internal equipment loads exceed ~~60~~75% of the building *energy end use*, at least two of the strategies shall be selected from the internal equipment loads category.

6.3.3.3 Use *energy modeling* to evaluate each load reduction strategy compared to the *baseline* design using identical *HVAC system* types.

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

NSF/ANSI International Standard for Biosafety Cabinetry —

Normative Annex 1

(formerly Annex A)

Performance tests

N-1.6.3 Personnel protection test (system challenged with 1 × 108 to 8 × 108 B. subtilis spores in 5 min).

N-1.6.3.1 Method

a) The cabinet shall be operated at the manufacturer's recommended nominal set points ± 2 ft/min (0.01 m/s).

b) A nebulizer containing up to 55 mL of spore suspension (5 × 108 to 8 × 108/mL) shall be centered between sidewalls of the cabinet. The horizontal spray axis shall be placed 14 in (360 mm) above the work surface; the opening of the nebulizer shall be 4 in (100 mm) behind the sash. The spray axis shall be parallel to the work surface and directed toward the sash (see Figure 15).

c) The cylinder shall be placed at the cabinet center. The axis of the cylinder shall be 2.75 in (70 mm) above the work surface. Around the cylinder, four AGI-30s shall be positioned with the sampling inlets 2.5 in (64 mm) outside the cabinet front. Two AGI-30s shall be placed so that their inlet axes are 6 in (150 mm) apart and in a horizontal plane tangent to the top of the cylinder. Two AGI-30s shall be positioned so that their inlet axes are 2 in (51 mm) apart and lie in a horizontal plane 1 in (25 mm) below the cylinder. As a positive control, an agar plate shall be placed under ~~the center of the cylinder, and supported a minimum of 0.50 in (13 mm) above or below~~ the work surface or front intake grill, ~~to~~ in a manner that minimizes ~~minimize~~ the obstruction of airflow into the grill (see Figures 16 and 17).

N-1.6.4 Product protection test (system challenged by 1 × 106 to 8 × 106 B. subtilis spores in 5 min.)

N-1.6.4.1 Method

a) The cabinet shall be operated at the nominal set point velocities within ± 3 ft/min (± 0.015 m/s).

b) Cover the work surface with open agar plates 100 × 15 mm with the cylinder at the midpoint (see Figure 18).

c) Position the horizontal spray axis of the nebulizer containing 55 mL of 5 × 106 to 8 × 106 spores/mL at the level of the top edge of the work opening, and center it between the two sides of the cabinet, with the opening of the nebulizer 4 in (100 mm) outside the sash. The spray axis shall be parallel to the work surface and directed toward the open front of the cabinet.

d) A 2.5-in (64-mm) OD cylinder, with closed ends, shall be placed in the center of the cabinet. The cylinder shall be positioned in the cabinet so that one end butts against the back wall of the total work area, the other end extends at least 6 in (150 mm) into the room through the front opening of the cabinet, and the axis of the cylinder is 2.75 in (70 mm) above the work surface.

e) As a positive control, an agar plate shall be placed under ~~the center of the cylinder, and supported 0.50 in (13 mm) above or below~~ the work surface or front intake grill, ~~to~~ in a manner that minimizes ~~minimize~~ the obstruction of airflow into the grill (see Figure 19).

***Rationale**: This language allows more flexibility for placement of the control plate during performance testing, allowing for the cabinet to operate as designed, without the control plate creating an inappropriate obstruction.*

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

NSF/ANSI International Standard for Biosafety Cabinetry —

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Normative Annex 1

(formerly Annex A)

Performance tests

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N-1.6.3 **Personnel protection test** (system challenged with 1 × 10^8 to 8 × 10^8 *B. subtilis* spores in 5 min),

N-1.6.3.1 **Method**

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g) For new and major modification redesign cabinet models, repeat the above steps after setting the cabinet airflow velocities at the manufacturer's recommended nominal set points ± 2 ft/min (0.01 m/s) - 10 ft/min (- 0.051 m/s) inflow using a direct airflow reading instrument and + 10 ft/min downflow (if it is not possible for the cabinet blower to achieve + 10 ft/min downflow, the blower shall be adjusted to its maximum speed, and the downflow measured after adjusting the inflow velocity):

— airflow velocity readjustments shall be made per the manufacturer's procedure;

— the overall average downflow velocity shall be used in making downflow adjustments; and

— removable equipment not essential to cabinet operation shall be removed to set the downflow velocity.

***Rationale**: In certain cases of developing new cabinets, there is experience with the blower not achieving the high downflow/low inflow set point airflow.*

[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 GMP for Dietary Supplements –

Good Manufacturing Practices for Dietary Supplements

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4 Audit requirements

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4.6 Performance evaluation

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4.6.16 Laboratory controls shall be established and ~~have been~~ approved by QC, including use of sampling plans, criteria for establishing specifications, testing methods or examinations, and standard reference materials, and use of test methods and examinations in accordance with established criteria. [21 C.F.R. § 111.315 ~~(a)~~]

~~**4.6.17** Parameters shall be set for laboratory controls for sampling plans, criteria for examination and testing methods, and standard reference materials. [21 C.F.R. § 111.315 (b, c, d, e)]~~

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NSF/ANSI Standard
for GMP for Dietary Supplements –

Good Manufacturing Practices for Dietary Supplements

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4 Audit requirements

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4.5 Operation

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4.5.84 ~~Environmental Monitoring Program shall be risk-based to include controls to evaluate and mitigate the presence of nonpathogenic microorganisms in production areas and equipment. If an environmental monitoring program includes pathogen testing in product contact zones, the production area and equipment shall not be used until the area is cleaned and proven free of pathogens~~.
A risk-based Environmental Monitoring Program that includes controls to evaluate and mitigate the presence of nonpathogenic microorganisms in production areas and equipment shall be established.

4.5.85 If an environmental monitoring program includes pathogen testing and a positive result is found in product contact zones, then production area and equipment shall not be used until the area is cleaned and proven free of pathogens.

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NSF/ANSI Standard
for GMP for Dietary Supplements –

Good Manufacturing Practices for Dietary Supplements

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4 Audit requirements

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4.4 Support

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~~**4.4.22** Records shall be maintained for plant cleaning and pest control in accordance with Subpart P – Records and Recordkeeping. [21 C.F.R. § 111.23(a, b)]~~

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~~**4.4.30** Records shall be maintained documenting compliance to established procedures that ensure that supervisors are appropriately qualified by education, training, or experience. [21 C.F.R. § 111.14(a, b) & 21 C.F.R. § 117.4]~~

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~~**4.4.35** Records shall be maintained of specifications, supplier qualification, and testing to ensure product meets purity, strength and composition. [21 C.F.R. § 111.95]~~

~~**4.4.36** Receiving records shall be made and kept for components, packaging, and labels, and for products received for packaging and labeling. [21 C.F.R. § 111.180]~~

4.4.37 ~~Procedures shall be established that describe the requirements for record retention under Subpart P – Records and Recordkeeping~~. Procedures for record maintenance and retention shall be established. [21 C.F.R. § 111.605 ~~(a, b)~~ & 21 C.F.R. § 111.610(a)]

~~**4.4.38** Appropriate records shall be maintained for laboratory operations. [21 C.F.R. § 111.325]~~

4.4.38. Records of compliance to internal procedures and regulatory requirements shall be available.

4.4.39 Records shall be maintained to allow a complete history and control of the packaged and labeled dietary supplement through distribution. [21 C.F.R. § 111.410(d)]

~~**4.4.39**~~ **4.4.40** Electronic GMP records that are created, modified, maintained, archived, retrieved, or distributed by a computer system, shall be 21 C.F.R. Part 11 compliant. [21 C.F.R. Part 111.605(c)]

~~**4.4.40**~~ **4.40.41** Backup electronic files shall be maintained of the following: current software programs; outdated software programs that may be necessary to retrieve past records, and data that was entered. Backup files shall be an exact and complete record and be secure from alterations, erasures, and loss and damage. [21 C.F.R. § 111.35(b5i, b5ii)]

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4.5 Operation

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~~**4.5.12** Complete records shall be made and kept of any calibration of instruments and controls that are important to product quality and safety. [21 C.F.R. § 111.35(b3, b4) & 21 C.F.R. § 111.113 (a4)]~~

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~~**4.5.37** Records shall be maintained to show that the quality of water, when used as a component of the dietary supplement, meets the requirements of 21 C.F.R. § 111.15(e2). [21 C.F.R. § 111.23(c)]~~

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~~**4.5.60** Records shall be maintained to allow a complete history and control of the packaged and labeled dietary supplement through distribution. [21 C.F.R. § 111.410(d)]~~

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~~**4.5.76** Product distribution records shall be retained. [21 C.F.R. § 111.475(b2)]~~

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~~**4.5.82** Documentation shall be maintained for material reviews and dispositions. This shall include all testing results and any reevaluations by QC personnel for reprocessed materials. [21 CFR § 111.535 (b1, b2, b3, b4)]~~

~~**4.5.83** Records for returned dietary supplements shall be maintained. Records shall be maintained for at least 1 y after the shelf life date, if shelf life dating is being used, or at least 2 y beyond the date of distribution of the last batch associated with those records. [21 C.F.R. § 111.535]~~

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4.6 Performance evaluation

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~~**4.6.23** Records for each product complaint and investigation shall be maintained. Records shall be maintained for at least 1 y after the shelf life date, if shelf life dating is being used, or at least 2 y beyond the date of distribution of the last batch associated with those records. [21 C.F.R. § 111.570(a)]~~

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NSF/ANSI/CAN Standard
for Drinking Water Additives –

Drinking Water System Components – Health Effects

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3 General requirements

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3.6 Lead content of products

With the exception of those exempted in the Safe Drinking Water Act of the United States, the wetted surfaces of products shall have a weighted average lead content ≤ 0.25% when evaluated in accordance with NSF/ANSI/CAN 372. For the purpose of this section, product shall refer to anything individually evaluated for compliance under the standard, including materials and components. Solders and fluxes shall have a lead content no more than 0.2%.

3.7 Restriction on use of asbestos-containing products

There shall be no asbestos added as an intentional ingredient in any product, component, or material submitted for evaluation to this standard.

3.~~7~~8 Exposure protocol

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Rationale: NSF does not currently certify any products containing asbestos. This would prevent the evaluation of any new asbestos-containing products to NSF 61 and prevent inadvertent certification of products that are not legally able to be manufactured or imported into the US and Canada and limit exposure of this harmful contaminant in drinking water.

RP-14 Recirculation Ballot
Section 7.0

As a result of the first ballot there has been a substantive change proposed to the RP-14 *BSR/SPRI Wind Design Standard for Vegetative Roofing Systems* document Section 7.0. In addition, there have been several editorial changes.
Canvass participant Mark Graham submitted a negative vote the first ballot document. Some of the objections raised were editorial and have been accepted and integrated into the proposed standard. The additional objections submitted are considered editorial and do not require an additional vote. The SPRI responses to the editorial comments are also presented here for your information only. As per SPRI's ANSI Procedures the correspondence related to this objection has been posted to the Discussion area of the RP-14 Canvass Group platform.
The substantive change to Section 7.0 has been incorporated into the document and is being presented for your consideration and vote. If you do not submit a vote on this ballot, your previous vote will stand.

Substantive Change

Section 7.0
Comment Submitted
Sec. 7.0 regarding scour greater than 50 sq. ft., a statement should be added indicating the update to the next system design level should apply where the scour occurs at or below the design wind speeds. Also, some of the maintenance text from C7.0's second paragraph should be added here.

SPRI Response
We agree. Revising accordingly. Section 7.0 will read as follows:

7.0 Maintenance

Vegetative roofing systems shall be maintained to provide vegetation that nominally covers the visible surface of the *growth media*. When wind scour occurs to an existing *vegetative roof system* and the scour is less than 50 $ft.^2$ (4.6 m^2), the *growth media* and plants shall be replaced. For scour areas greater than 50 $ft.^2$ (4.6 m^2) that occur at or below design wind speed, the vegetative roof design shall be upgraded a minimum of one system design level per Section 4.0. The requirement for maintenance shall be conveyed by the designer to the building owner, and it shall be the building owner's responsibility to maintain the *vegetative roofing system*.

Persons who have directly and materially affected interests, and who have been or will be adversely affected by a standard being canvassed or by the lack thereof, shall have the right to appeal any procedural actions or inactions of SPRI. The appeal must be filed in writing with SPRI within thirty (30) calendar days after the date of notification of action or at any time with respect to inaction. The Appellant shall state the nature of the objection(s) including any adverse effects, the clause(s) of these procedures or the standard that is at issue, actions or inactions that are at issue, and the specific remedial action(s) that would satisfy the Appellant's concerns.
Should you have any questions, please contact SPRI at info@spri.org or 781-647-7026.

Editorial Changes – Informational only.

Section 2.5
Comment Submitted
Sec. 2.5. References to I-C, I-A, I-B and I-C do not properly correlate to the basic wind speed maps on pages 24-39. The maps only indicate the “I” designation and not the letter designations. Also, in 2.5.1 for Risk Category I, it appears the reference is to a Risk Category III map.

SPRI Response
We agree. We cleaned up the references for A, B, C and D to correctly correspond to the wind speed maps based on risk category.

Section 4.1
Comment Submitted
Sec. 4.1 indicates "fully adhered", as does C3.8. Sec. 1 indicates "adhered". This should be made consistent; "adhered" is preferred.

SPRI Response
We agree. "adhered" is best. The document has been updated.

Section C2.5
Comment Submitted
Sec. C2.5, the statement "...fastest mile plus 20 mph..." should no longer be used; it is not accurate. Also, see comment on ASCE 7 version below.

SPRI Response
We agree. We're deleting the entire paragraph as it is not functional any longer.

C4.0
Comment Submitted
Sec. C4.0, last paragraph, suggest revising "Both testing facilities... information." to "Contact the membrane manufacturer..."

SPRI Response
We agree. We're deleting the entire paragraph as the wind uplift test standards are not relevant to the vegetative roofing system testing/design practices. It does pertain to the roofing system underneath, but is outside the scope of this standard.

Overall comment on design methodology and ASCE 7 version
Comment Submitted
Overall comment on design methodology and ASCE 7 version: The wind maps (pages 24-39) appear to be from ASCE 7-16. The roof zone dimensions used in Sec. 2.6 and Figure 1 (pages 20-21) appear to be from ASCE 7-10 or previous. The ASCE 7 version used in RP-14 needs to be consistently implemented and clearly indicated to users. Also, if SPRI intends for RP-14 to remain in the IBC, RP-14 should be updated to the most recent version of ACE 7.

SPRI Response
We are unable to acquire all of the maps that were provided within ASCE 7-16 to the updated 7-22. For some reason, ASCE is only giving the lesser return periods in the 2022 edition. We will add reference to the ASCE 7 hazard tool which is free online, and make note that the provided maps are from ASCE 7-16. Any needs that are different from ASCE 7-16 should be researched on the ATC or ASCE hazard tools. However, the vegetative assembly wind design recommendations within this standard are based on the Kind and Wardlaw study regarding ballast and scour. ASCE 7-22 design practices would not apply. For this, we find this singular comment non-persuasive.

BSR/UL 62841-4-4, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery – Safety – Part 4-4: Particular Requirements for Lawn Trimmers, Lawn Edge Trimmers, Grass Trimmers, Brush Cutters and Brush Saws

1. Revision to remove guarding requirements for grass trimmers, brush cutters and brush saws.

Responses to comments have been posted within the U: 62841-4-4 Ballot & Commenting Work Area dated 2024-02-16. No changes have been made to the previously proposed revision.

Note that the purpose of a recirculation of comments only is intended solely to provide TC members the opportunity to review the comments and responses, and to either reconsider their vote or cast a first-time vote. New comments on the previously proposed revision for this Topic will not be provided with a specific response. Any additionally desired changes should be submitted as a new proposal request via CSDS.

2. Revision to clarify impact test requirements for grass trimmers, brush cutters and brush saws.

20.3.1 *Replacement:*

*Machines, except for **walk-behind trimmers**, are dropped three times in total on a concrete surface from a height of 1 m.*

*The machine is configured for use according to 8.14.2 a),fitted with the **cutting head** or **cutting accessory** and placed on the concrete surface in a stable resting position.*

For the first drop, the machine is lifted vertically by 1 m and allowed to drop onto the concrete surface.

For the second drop:

– the machine is placed on the concrete surface as in the first test;

– the machine is lifted vertically by 1 m; then

– the machine is rotated about its longitudinal axis approximately 90° in the most unfavourable direction prior to dropping onto the concrete surface.

For the third drop:

– the machine is placed on the concrete surface as in the first test;

– the machine is lifted vertically by 1 m; then

– the machine is rotated about its longitudinal axis approximately 180° prior to dropping onto the concrete surface.

Secondary impacts shall be avoided.

NOTE A method for avoiding secondary impacts is tethering.

For machines with handles having a storage configuration in accordance with 8.14.2 b) 109), the three drops are repeated on a separate sample with the handle adjusted to the storage configuration.

*In addition, **grass trimmers**, **brush cutters** and **brush saws** are subjected to three impacts that result from the machine being tipped over to strike a concrete surface, from the vertical standing position with the **cutting head** or the **cutting accessory** downwards. The sample is rotated to its three most unfavourable positions prior to being released.*

Each drop shall be conducted on a separate machine. At the manufacturer's request, each drop may be conducted on the same machine.

20.3.1DV D2 ***Modification*: *Replace the last ~~two~~ paragraph~~s~~ in Clause 20.3.1 of the Part 4 with the following:***

Each drop shall be conducted on a separate sample, unless a single sample can be subjected to multiple drops without failure. If a sample has been subjected to multiple drops and fails during a subsequent drop, then the drop in the orientation that resulted in the failure shall be repeated using a new sample. If the new sample passes the test for the drop in that orientation, then the requirements for ~~the drop~~ that orientation are considered to be fulfilled. The test shall be continued in this manner until all drops in each of the three orientations are completed.

BSR/UL 347, Standard for Safety for Medium-Voltage AC Contactors, Controllers, and Control Centers

1. Grounding switch interlock test

PROPOSAL

4.206 Optional ~~G~~grounding switch ~~characteristics~~

5.11.201 Isolating means interlocks

Interlocks shall be provided by mechanical means to prevent the isolating means from being opened or closed unless all line contactors are open. A cover or door that is interlocked with the line contactors to prevent access to the operating mechanism of the isolating means with the contactor(s) in the closed position is considered to meet this requirement.

~~It~~ Interlocking shall also prevent the line contactors from being closed, unless the isolating means is either in the closed position or separated by the isolating distance.

When the sum of the full load ratings of the CPT and any other connected transformers exceeds the interrupting capacity of the isolating means, electrical interlocks shall be provided to disconnect secondary loads of CPTs before the isolating means can be opened (see Clause 6.201).

Isolating means interlocks shall comply with the Interlock Integrity Test in 6.101.3.

5.11.207 Grounding switch interlocks

If a controller is supplied with a grounding switch, the switch shall be interlocked with any isolating means that could energize the circuit that it is intended to ground. Interlocks shall be provided by mechanical means to prevent the grounding switch from being closed unless all associated isolation means are fully open. A cover or door that is interlocked with the isolating means to prevent access to the operating mechanism of the grounding switch with isolating means in the closed position meets this requirement.

~~They~~ Interlocking shall also prevent the isolation means from being closed unless the grounding switch is fully open.

Key interlocking schemes are considered to meet ~~this~~ these requirements.

In addition to the interlocking above, if the grounding switch is electrically operated, electrical interlocking shall be supplied to prevent the grounding switch from being closed unless all associated isolation means are open. Interlocking shall also be provided to keep the switch from being electrically operated when manual switching operations are being performed.

See Clause 6.101.3 for testing requirements.

6.101.3 Interlock integrity test

All isolating means and grounding switches shall be subjected to 1 000 mechanical opening and closing operations. After every 100 operations it shall be determined that all interlock functions are operative, by attempting to open any doors, operate electrical circuits, or any other operation intended to be prevented by the interlocking arrangement. See Clause 5.11.

Where drawout components are used, it shall be determined that:

a) the device cannot be inserted in any condition of misalignment that will permit the operation of the device while impairing the effectiveness of the interlocking arrangement; and

b) the device cannot be withdrawn in the closed position.

In the case of a drawout component, one operation shall consist of a cycle of withdrawing from a fully engaged position to the isolated position and return. See Clause 5.202.

The effort required to perform the 1 000th operation shall be essentially the same as that required to perform the first operation. Upon the completion of the 1 000 operations, the sample shall be in substantially the same mechanical condition as at the beginning of the test.

For isolating switch and grounding switch operating handle interlocks, the interlock function shall be checked after the final operation by applying a force of 750 N (169 lbf) to the operating handle at the midpoint of the gripping area. After this force is applied, it shall be determined that all interlock functions are operative by attempting to open any doors, operate electrical circuits, or any other operation intended to be prevented by the interlocking arrangement.

For isolating switches having covers or doors in accordance with 5.11.201, the interlocking of the cover or door shall be checked by applying a force of 100 N (23 lbf) in an attempt to open the cover or door, with the line contactor in the closed position. After this force is applied, it shall be determined that all interlock functions are operative by attempting to open any doors, operate electrical circuits, or any other operation intended to be prevented by the interlocking arrangement.

For grounding switches having covers or doors in accordance with 5.11.207, the interlocking of the cover or door shall be checked by applying a force of 100 N (23 lbf) in an attempt to open the cover or door, with the isolating switch(es) in the closed position. After this force is applied, it shall be determined that all interlock functions are operative by attempting to open any doors, operate electrical circuits, or any other operation intended to be prevented by the interlocking arrangement.

A drawout contactor that is not utilized as the controller isolation means shall be inserted and withdrawn a total of 50 times. The effort required to perform the 50th operation shall be essentially the same as that required to perform the first operation. Upon the completion of the 50 operations, the sample shall be in substantially the same mechanical condition as at the beginning of the test.

2. Field wiring in equipment designed for use with MV 90 cable

PROPOSAL

5.10.204 Conditional markings

Where applicable, equipment shall be legibly marked as follows:

a) Doors and covers of compartments containing medium-voltage components shall be provided with a warning marking on the outside of the door or cover providing access, stating “DANGER High Voltage Keep Out” or “DANGER: ____ V” (with system voltage or voltage class inserted in the blank space).

b) The external manual release operator of a latched contactor shall be marked to indicate its function.

c) Equipment for use with either copper or aluminum conductors shall be marked “CU-AL” or the equivalent. Equipment for use with copper conductors only shall be marked “CU Only” or the equivalent. This marking shall be visible when making terminations to the equipment.

d) The volt-ampere (VA) rating, or the equivalent, of any operating coil circuit which requires a remote control device with a sealed rating of more than 125 VA shall be indicated.

e) Permanent, legible marking shall be installed on panels or doors that give access to live parts

warning of the danger of opening while energized.

f) Unless the proper wiring connections are plainly evident, wiring terminals shall be marked, or the equipment shall be provided with a suitable wiring diagram to indicate the connections.

g) If a controller uses current transformers and overload relays with removable overload elements, it shall be marked "WARNING: This controller furnished with current transformers. Do not operate without overload elements installed" or the equivalent.

h) Any barrier intended to be removed during routine maintenance or servicing (such as barriers required to be removed for replacement of fuses or the examination of contacts) shall be marked to indicate that its reinstallation is required.

i) If the design of the controller is such that a low-voltage control circuit fuse is accessible with the CPT or voltage transformers energized, a warning shall be provided in the vicinity of the fuseholder: "WARNING" followed by the statement "Fuses may be energized" or the equivalent.

j) Controllers with overload protective units arranged to energize signals only in accordance with Clause 5.203(c) shall be marked to state that the motor running protective units do not open the motor circuit, and shall reference the applicable national installation code requirement (including article and clause).

k) Controllers employing an automatic reset overload relay and a wiring diagram indicating two- wire control shall be marked to indicate that a load connected to the circuit can start automatically when the relay is in the automatic reset position.

l) An enclosure provided without a bottom shall be marked "Not for use on combustible floors" or the equivalent.

m) A door that is not interlocked as described in Clause 5.102.204 shall be marked "DANGER – High Voltage – Door is not interlocked – Ensure that all sources of supply are isolated and locked out prior to removing any bolts or opening this door. Close door and tighten all bolts before re-energizing this equipment."

n) Special operating conditions, if applicable, shall be marked.

o) Altitude (if over 1 000 m) shall be marked.

p) Equipment that is energized from more than one circuit and that does not have means for disconnecting all ungrounded conductors within a single enclosure or compartment shall be permanently marked on the outside with the following, or equivalent wording: “WARNING: More than one live circuit. See diagram.”

q) The type and rating of fuses used to provide overcurrent protection in low voltage-control circuits shall be permanently marked adjacent to the fuseholder. This information may be provided by a table permanently affixed to the enclosure, provided the fuseholders are appropriately identified.

r) The current element table of an overload relay, and associated markings, when provided, shall be permanently affixed within the controller where it will be clearly visible,

s) Where control-circuit overcurrent protection is not provided in the equipment, a permanent marking shall be provided on the controller or controller wiring diagram to indicate that such protection is required.

t) If a controller feeds a capacitor load, a danger/warning label shall be provided on the outside of the door or cover providing access, with words to the following effect:

"Hazardous voltage may be present on load side conductors after contactor and isolating means have been opened. Capacitor internal resistors require 5 minutes to discharge capacitor down to 50 V after de-energization. Wait 5 minutes after disconnecting power and then use proper voltage sensing device to verify voltage before servicing equipment."

NOTE: This marking is not required if the capacitor is on the same circuit as a motor.

u) A vertical stack arrangement shall be provided with a marking indicating the ampere rating permitted in each position.

v) Terminal kits shall be marked as follows:

i) Identification of the kits that can be installed shall either be marked on the equipment, supplied separately, or included in the manufacturer's catalogs.

ii) The connector kit or its package shall be marked with its identification and the name or trademark of the manufacturer. Information on the range of conductor sizes that the connector is intended to accommodate shall be marked on one of the following: the kit, its container or package, the main device, or its enclosure; or shall be included as a separate sheet.

w) Kits other than terminal kits shall be marked as follows:

i) Identification of the kits that can be installed in medium-voltage control equipment shall be either marked on the equipment, supplied separately, or included in the manufacturer's catalogs.

ii) The kit or its smallest unit package shall be marked with its catalog number (or the equivalent) and the name or trademark of the manufacturer.

iii) Unless proper installation of a kit is clearly evident, assembly instructions shall be provided, either as part of the kit or as part of the medium-voltage control equipment, and shall include:

1) a clear identification of the individual parts, components, or subassemblies;

2) schematic or wiring diagrams, if applicable;

3) explicit assembly information that describes all aspects of assembly;

4) clear identification of the controller(s) in which the kit is intended to be installed; and

5) identification of the parts and components of a kit, if required, in such a manner as to ensure proper matching with the schematic or wiring diagram.

x) An enclosure that meets the test requirements in Clause 6.203 shall be marked "Rainproof" or "Raintight" (in addition to the enclosure type marking in accordance with Annex A, Item 6).

y) Such other marking as may be necessary to ensure safe and proper operation shall be provided.

z) Equipment shall be marked "Size conductors based on MV-90 ampacities". This marking shall be visible when making terminations to the equipment.

Standard: UL 2157
Standard Title: Standard for Electric Clothes Washing Machines and Extractors

Date of Proposal: May 3, 2024
Comments Due: June 3, 2024

SUMMARY OF TOPICS

The following is being recirculated for your review:

1. Proposed Fifth Edition of the Standard for Electric Clothes Washing Machines and Extractors Including the Following Proposals: (a) Removal of Wringer Washer Requirements; (b) Correction to Risk of Fire References; (c) Revising Thermocouple Requirements; (d) Proposed Method to Determine the Amount of Ventilation Provided by an Appliance; (e) Replacement Parts; (f) Mean Value of Input Current; (g) Change-of-Resistance Method; (h) Clarification of Water Heater Feature Requirements; (i) Leakage Current Requirements - Referencing UL 101; (j) Overfill Electronic Circuit Requirements; (k) Liquid Spillage Test Clarifications; (x) Proposal to Glass Loading Door and Lids Test of UL2157 4th Edition; (m) Addition of UL 510A Insulating Tape; (n) Sound (Acoustic) Insulation Requirements; (o) Appliance Capacitor/EMI Filter Requirements; (p) Revision to Switch Requirements; (q) Control Requirement Revisions; (r) Motor Controls for Commercial Appliances; (s) Transition from UL 60950-1 to UL 62368-1; (t) Metal Enclosure Thickness; (u) Grounding Screws with Phillips Head; (v) Polymeric Materials Exposed to Ozone: Clarification; (w) Table 10 Revisions; (x) Clarification of Endurance Cycles for Control Devices; (y) Remote Safety Firmware/Software Update Requirements; (z) Plumbing Requirement Revision; (aa) Bottom Opening Requirements and Shorted Sheath Heating Elements; (ab) Nichrome Wire Test Procedure Change; and (ac) Latest Version of UL 4200A and Reese's Law

Need access to the full standard or a standard this proposal references? Click here to learn more about accessing UL and ULC Standards. TC Members can find the latest copy of the standard from the My TCs page in CSDS.

For ease of review, all proposed additions and deletions from the first ballot dated 2023-09-15 were accepted, and only revisions made after comment resolution are included in this ballot. Proposed additions to the previously proposed requirements dated 2023-09-15 are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Proposed Fifth Edition of the Standard for Electric Clothes Washing Machines and Extractors Including the Following Proposals: (a) Removal of Wringer Washer Requirements; (b) Correction to Risk of Fire References; (c) Revising Thermocouple Requirements; (d) Proposed Method to Determine the Amount of Ventilation Provided by an Appliance; (e) Replacement Parts; (f) Mean Value of Input Current; (g) Change-of-Resistance Method; (h) Clarification of Water Heater Feature Requirements; (i) Leakage Current Requirements - Referencing UL 101; (j) Overfill Electronic Circuit Requirements; (k) Liquid Spillage Test Clarifications; (l) Proposal to Glass Loading Door and Lids Test of UL2157 4th Edition; (m) Addition of UL 510A Insulating Tape; (n) Sound (Acoustic) Insulation Requirements; (o) Appliance Capacitor/EMI Filter Requirements; (p) Revision to Switch Requirements; (q) Control Requirement Revisions; (r) Motor Controls for Commercial Appliances; (s) Transition from UL 60950-1 to UL 62368-1; (t) Metal Enclosure Thickness; (u) Grounding Screws with Phillips Head; (v) Polymeric Materials Exposed to Ozone: Clarification; (w) Table 10 Revisions; (x) Clarification of Endurance Cycles for Control Devices; (y) Remote Safety Firmware/Software Update Requirements; (z) Plumbing Requirement Revision; (aa) Bottom Opening Requirements and Shorted Sheath Heating Elements; (ab) Nichrome Wire Test Procedure Change; and (ac) Latest Version of UL 4200A and Reese's Law

RATIONALE

Proposal submitted by: Inhye Kang, AHAM - Submitted on Behalf of the UL 2157 THC

Proposals A – K, M – AA submitted by: Darrin Conlon, UL Solutions
Proposal L submitted by: Technical Harmonization Committee Working Group
Proposal AB submitted by: Randy Hoover, Electrolux Home Products
Proposal AC submitted by: Mariam Pauls, UL Solutions

This recirculation ballot proposes the following revisions to the original ballot dated 2023-09-15:

- Addition of proposal AC: Latest Version of UL 4200A and Reese's Law (Clause 19.20 and Section 3)
    - ac) **Latest Version of UL 4200A and Reese's Law** – UL 4200A, the Standard for Products Incorporating Button Batteries or Coin Cell Batteries, was revised on August 30, 2023, to accommodate 16 CFR 1263 Public Law 117-171, also known as "Reese's Law". The objective of this law is to eliminate or adequately reduce the risk of serious injury or death from the ingestion of button cell or coin batteries by children six years old and younger during reasonably foreseeable use or misuse conditions. The CPSC commission voted unanimously to codify UL 4200A as a mandatory safety standard for performance and labeling requirements of 16 CFR 1263. This proposal is intended to align with the August 30, 2023 revision of UL 4200A.
- Clarification of Important Safety Instructions in Section 5
- Clarification of Clause 8.1 and removal of proposed note
- Editorial revision in Clause 9.9.2
- Clarification to item b) in Clause 14.3.5.1
- Clarification to item a) and b) and Addition of item c) to 14.7.8
- Addition of Note to Clause 16.3.5.2

For background information see responses to comments posted within the UL 2157 Ballot & Commenting Work Area dated 2023-09-15 .

Note from the PM: For ease of review, all proposed additions and deletions from the first ballot dated 2023-09-15 were accepted, and only revisions made after comment resolution are included in this ballot.

Proposed additions to the previously proposed requirements dated 2023-09-15 are shown underlined and proposed deletions are shown ~~lined-out~~.

PROPOSAL

3 General requirements and reference publications

3.2 Reference publications

UL 4200A
Products Incorporating Button Batteries or Coin Cell Batteries

5 Marking and Instructions

5.2.2 Instructions pertaining to a risk of fire, electric shock, or injury to persons

IMPORTANT SAFETY INSTRUCTIONS

WARNING – To reduce the risk of fire, electric shock, or injury to persons when using your appliance, follow basic precautions, including the following:

1) Read all instructions before using the appliance.

2) Do not wash articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, dry-cleaning solvents, or other flammable or explosive substances, as they give off vapours that could ignite or explode.

3) Do not add gasoline, dry-cleaning solvents, or other flammable or explosive substances to the wash water. These substances give off vapours that could ignite or explode.

4) Under certain conditions, hydrogen gas may be produced in a hot-water system that has not been used for 2 weeks or more. HYDROGEN GAS IS EXPLOSIVE. If the hot-water system has not been used for such a period, before using a washing machine, turn on all hot-water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. As the gas is flammable, do not smoke or use an open flame during this time.

5) Risk of Suffocation and Injury from Entrapment: Do not allow children to play on or in the appliance. Close supervision of children is necessary when the appliance is used near children.

6) Before the appliance is removed from service or discarded, remove the door.

7) Do not reach into the appliance if the tub or agitator is moving.

8) Do not install or store this appliance where it will be exposed to the weather.

9) Do not tamper with controls.

10) Do not repair or replace any part of the appliance or attempt any servicing unless specifically recommended in the user-maintenance instructions or in published user-repair instructions that you understand and have the skills to carry out.

10A) Do not use replacement parts that have not been recommended by the manufacturer (e.g. parts made at home using a 3D printer).

8 Power input and current

8.1 The current input shall not be more than 110% of the marked rating with the appliance connected to a supply circuit of rated voltage and frequency. ~~Only the steady-state current input during any condition of normal operation shall be measured (eg, washing, wringing, or idling); the input during a period of acceleration shall not be measured.~~ During a representative period, such as filling with water, washing, rinsing, water extraction, spinning or braking, where the power input is the highest, the current input is the arithmetic mean value of that representative period.

~~Note: If the current varies throughout the operating cycle and the maximum value of the current exceeds, by a factor greater than two, the arithmetic mean value of the current occurring during a representative period, then the current is the maximum value that is exceeded for more than 10 % of the representative period. Otherwise the current is taken as the arithmetic mean value. The selected representative period is the period, such as filling with water, washing, rinsing, water extraction, spinning or braking, during which the power input is the highest.~~

9 Heating

9.9 Water heating feature

9.9.2 For appliances provided with one water inlet valve, water shall be supplied in accordance with the installation instructions. If the manufacturer recommends connection to cold water, the water supply shall be 15 ± 5°C at a minimum pressure of 150 kPa. If the manufacturer recommends connection to hot water, the water supply shall be ~~to a~~ 60 ± 2°C at a minimum pressure of 150kPa.

14 Abnormal operation

14.3 Wetting of electrical components

14.3.5.1 For appliances that are provided with electronic circuits that control the filling function:

a) if two distinct and independent electronic circuits (e.g. no shared electronics or sensors) are relied upon to protect against wetting of electrical components, then the testing in Clause 14.3.5 shall be conducted with each electronic circuit defeated one at a time. These electronic circuits shall be evaluated as Operating Controls; see Clause 19.12.2.2.

b) if only one distinct and independent electronic circuit is used to protect against wetting of electrical components ~~) if a protection scheme is used such that shared electronics and/or sensors is employed protect against wetting of electrical components,~~ then:

1) the testing in Clause 14.3.5 shall be conducted with the relevant electronic circuit defeated; or

~~the shared portions of the circuitry is investigated for internal faults per UL60730 Table H.1 and conduct a failure-mode and effect analysis (FMEA) to identify components the failure of which may result in a risk of fire or electric shock with respect to compliance to UL2157 Clause 14.3.5 where testing is conducted with each electronic circuit defeated one at a time; or~~

2) the electronic circuit shall fulfill Class B requirements, be evaluated as a Protective Control (see Clause 19.12.3.5), and the testing in Clause 14.3.5 shall be conducted with the electronic circuit operating as intended.

i) For electronic circuits that use only one sensor to reduce the risk of overfilling, the Class B evaluation shall consider the faults and failure modes of the sensing element.

ii) The faults and failures modes shall include open, closed, and drift conditions.

14.7 Hot coil ignition test

14.7.8 The coil shall be:

a) Nichrome wire [80 % Nickel, 20 % Chrome, 20 or 22 AWG, in accordance with ASTM B344] shall be applied to a connector or switching contact such that the adjacent non-metallic combustible materials will be ignited during the test; or

b) FeCrAl alloy wire [72.2% Iron, 22% Chromium, 5.8% Aluminum; 20 or 22 AWG, in accordance with ASTM B603].

c) For either a) or b), the wire shall be applied to a connector or switching contact such that the adjacent non-metallic combustible materials will be ignited during the test.

16 Mechanical strength

16.3 Glass loading doors and lids

16.3.5 3.4 J Impact test

16.3.5.1 Samples of a glass door shall be subjected to the impact test described in Clause 16.3.5.2. Samples shall be tested in the as-received condition. As a result of the impacts:

a) spacings shall not be reduced to less than those specified in Table 7;

b) current-carrying parts or internal wiring shall not be exposed, as determined in accordance with Clause 8; and

c) there shall be no damage that would increase the risk of fire, electric shock, or injury to persons.

16.3.5.2 Each of three samples of the appliance shall be subjected to a single impact on any surface that can be exposed to a blow during intended use. The impacts shall be produced by a 50.8 mm diameter, 0.54 kg steel ball, dropped through a vertical distance of 0.64 m. The ball may be swung through an arc as a pendulum or allowed to fall freely to produce the required impact force; see Figure 13. Each sample shall be mounted in its intended position and shall be subjected to a single impact directed at a different location.

Note: Fewer samples may be used, in accordance with Figure 14. The overall performance is acceptable upon completion of any one of the sequences represented in Figure 14.

19 Components

19.20 Button batteries or coin cell batteries ~~of lithium technologies~~

19.20.1 The battery compartment of an appliance or any accessory, such as a wireless control, incorporating one or more button batteries or coin cell batteries ~~of lithium technologies~~, shall comply with UL 4200A, if the appliance or any accessory:

a) is intended for use with one or more single cell batteries having a diameter of 32 mm (1.25 in) maximum with a diameter greater than its height; and

b) the appliance is intended for household use.

BSR/UL 2239, Standard for Safety for Hardware for the Support of Conduit, Tubing, and Cable.

1. Add allowance for online installation instructions to UL 2239 Hardware for the Support of Conduit, Tubing, and Cable as allowed by NFPA 70 (2023) and CSA C22.2 No. 0:20.

PROPOSAL

11.6 The following, where applicable, shall be marked on the smallest unit shipping carton or installation instructions provided on or in the smallest unit carton:

11.13 In addition to the requirements in Clause 11.6, installation instructions may be provided on the manufacturer's website

11.14 When installation instructions are provided via the manufacturer's web address, it shall be in the form of a Uniform Resource Locator (URL - http://www. .com/ /), or a machine-readable code [e.g., quick response code (such as a QR Code)] . The web address link shall take the user to an internet page containing the required information or a direct link to the required information. The file shall be in a file format that is commonly used and may be downloadable.

BSR/UL 4402, Standard for Safety for Indoor Air Quality in Buildings and Facilities Utilized for the Cultivation and Post-Harvest Processing of Cannabis

1. Revisions to Clause 7.3.2.1

PROPOSAL

7.3.2 Where CO_2 generators are utilized for carbon dioxide enrichment in cultivation spaces

7.3.2.1 ~~Gas detection system equipment shall be designed for carbon monoxide detection and shall be installed in accordance with manufacturers' instructions. The gas detection system shall be capable of detecting carbon monoxide concentrations of 50 ppm (0.005 %) (8-hour TWA-PEL).~~ Where CO_2 generators are used, they shall be provided with an integral carbon monoxide (CO) monitoring system that can divert or stop the introduction of flue gases into the indoor space when detecting CO levels at or above 25 ppm. Additional CO gas detection systems are also required per sections 7.3.2.2 & 7.3.2.3.

Standard: UL 8750
Standard Title: Standard for Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products

Date of Proposal: May 3, 2024
Comments Due: June 3, 2024

SUMMARY OF TOPICS

The following is being recirculated for your review:

1. Clarifications and Additional Options - Risk of Electric Shock and Risk of Fire

Need access to the full standard or a standard this proposal references? Click here to learn more about accessing UL and ULC Standards. TC Members can find the latest copy of the standard from the My TCs page in CSDS.

For your convenience in review, proposed additions to the previously proposed requirements dated 2024-02-23 are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Clarifications and Additional Options - Risk of Electric Shock and Risk of Fire

RATIONALE

Proposal submitted by: Bahram Barzideh, UL Solutions

This recirculation ballot proposes to remove clause 8.8A.6 which was part of the ballot proposal dated 2024-02-23.

For ease of review, all proposed additions and deletions from the first ballot dated 2024-02-23 were accepted, and only revisions made after comment resolution are included in this ballot. Proposed additions to the previously proposed requirements dated 2024-02-23 are shown underlined and proposed deletions are shown ~~lined-out~~.

For background information see responses to comments posted within the UL 8750 Ballot & Commenting Work Area dated 2024-02-23 .

PROPOSAL

8.8A Circuit voltage limit measurement test

8.8A.1 This test shall be used to determine if the circuit voltage exceeds limits specified in Table 3.1.

Note: When measuring simple waveforms (e.g. output of a linear transformer operating directly from the branch circuit), use of a voltmeter for this test will be sufficient. Other circuit designs will require use of an oscilloscope, so the characteristics of the output voltage waveform can be studied in detail. Refer to Appendix B for additional information regarding measuring equipment characteristics.

8.8A.2 Voltage measurements are performed a) between any two conductive parts or b) between a conductive part and earth ground.

8.8A.3 Voltage measurements are performed with the power source for the circuit operating from its rated input supply (normally the branch circuit).

8.8A.4 Since the outcome of measurement tests will determine risk of electric shock, the circuit shall be evaluated in accordance with Supplement SA, Requirements for Safety-Related Electronic Circuits.

a) The legacy approach is evaluation per SA3. This will entail testing under normal conditions, testing under single fault conditions, and testing under any load condition- including no load.

b) When the criteria in SA3.2 and SA3.3 cannot be satisfied, evaluation per SA4 remains an option.

8.8A.5 During this test, a one-time transient voltage event lasting less than 200 milliseconds may be ignored. Since short term peak voltage is of interest during tests involving a fault, voltages are to be monitored by using an oscilloscope for the first two seconds after the test condition is introduced.

~~8.8A.6 During this test, voltages for 'dc' waveforms for Dry and Damp locations may be exceeded if (a) – (e) below are satisfied. DC waveforms interrupted at frequencies between 10 – 200 Hz are excluded from this provision:~~

~~a) The measurement is made when the power source is in a no-load or "hiccup" condition,~~

~~b) The power source includes a load detection circuit that cycles the output "On" and "Off" resulting in a repetitive waveform,~~

~~c) For each cycle, the peak value decays in a manner so that the average voltage- prior to the next "On" state- is less than 60 V,~~

~~d) The voltage at the "On" state does not exceed 120 V peak, and~~

~~e) The voltage (RMS) of the repetitive waveform is less than 60 V.~~

~~Note- Average voltage in item 'c' refers to the sum of measured voltage values divided by the number of measured voltage values during each cycle.~~