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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.

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly <secretary@aresca.us> | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 62600-2-202x, Marine energy - Wave, tidal and other water current converters - Part 2: Marine energy systems - Design requirements (identical national adoption of IEC TS 62600-2:2019)

Stakeholders: U.S. marine developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of marine energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC

ARESCA (American Renewable Energy Standards and Certification Association)

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National Adoption

BSR/ARESCA 62600-3-202x, Marine energy - Wave, tidal and other water current converters - Part 3: Measurement of mechanical loads (identical national adoption of IEC TS 62600-3:2020)

Stakeholders: U.S. marine developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of marine energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC

ARESCA (American Renewable Energy Standards and Certification Association)

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National Adoption

BSR/ARESCA 62600-4-202x, Marine energy - Wave, tidal and other water current converters - Part 4: Specification for establishing qualification of new technology (identical national adoption of IEC TS 62600-4:2020)

Stakeholders: U.S. marine developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of marine energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC

ARESCA (American Renewable Energy Standards and Certification Association)

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National Adoption

BSR/ARESCA 62600-10-202x, Marine energy - Wave, tidal and other water current converters - Part 10: Assessment of mooring system for marine energy converters (MECs) (identical national adoption of IEC TS 62600-10:2021)

Stakeholders: U.S. marine developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of marine energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC

ARESCA (American Renewable Energy Standards and Certification Association)

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National Adoption

BSR/ARESCA 62600-20-202x, Marine energy - Wave, tidal, and other water current converters - Part 20: Design and analysis of an Ocean Thermal Energy Conversion (OTEC) plant - General guidance (identical national adoption of IEC TS 62600-20:2019)

Stakeholders: U.S. marine developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of marine energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC

ARESCA (American Renewable Energy Standards and Certification Association)

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National Adoption

BSR/ARESCA 62600-30-202x, Marine energy - Wave, tidal and other water current converters - Part 30: Electrical power quality requirements (identical national adoption of IEC TS 62600-30:2018)

Stakeholders: U.S. marine developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of marine energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC

ARESCA (American Renewable Energy Standards and Certification Association)

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National Adoption

BSR/ARESCA 62600-40-202x, Marine energy - Wave, tidal and other water current converters - Part 40: Acoustic characterization of marine energy converters (identical national adoption of IEC TS 62600-40:2019)

Stakeholders: U.S. marine developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of marine energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC

ARESCA (American Renewable Energy Standards and Certification Association)

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National Adoption

BSR/ARESCA 62600-202-202x, Marine energy - Wave, tidal and other water current converters - Part 202: Early stage development of tidal energy converters - Best practices and recommended procedures for the testing of pre-prototype scale devices (identical national adoption of IEC TS 62600-202:2022)

Stakeholders: U.S. marine developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of marine energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC

ARESCA (American Renewable Energy Standards and Certification Association)

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National Adoption

BSR/ARESCA 62600-300-202x, Marine energy - Wave, tidal and other water current converters - Part 300: Electricity producing river energy converters - Power performance assessment (identical national adoption of IEC TS 62600-300:2019)

Stakeholders: U.S. marine developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of marine energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC

ARESCA (American Renewable Energy Standards and Certification Association)

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National Adoption

BSR/ARESCA 62600-301-202x, Marine energy - Wave, tidal and other water current converters - Part 301: River energy resource assessment (identical national adoption of IEC TS 62600-301:2019)

Stakeholders: U.S. marine developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of marine energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC

ASTM (ASTM International)

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New Standard

BSR/ASTM WK86076-202x, New Specification for Heat-Fusion Joined, Cohesively Bonded Fiber Reinforced Thermoplastic Pipe (new standard)

Stakeholders: Composite Industry

Project Need: The protocols for testing and qualifying the operating pressure of Composite Thermosetting Epoxy-Fiberglass pipe is not directly applicable to Composite Thermoplastic-Fiberglass pipe because the epoxy matrix fails and weeps, where-as the ductile thermoplastic matrix (i.e., HDPE) does not crack nor weep in hydrostatic testing.

Interest Categories: Producer, User, General Interest

The Design, Fabrication Method, Testing, Pressure Qualification, and Quality Assurance of 8-inch to 24-inch ductile thermoplastic pipe with infused, orthotropic, fiber reinforcement.

ATCC (American Type Culture Collection)

Chuck Na <cna@atcc.org> | 10801 University Boulevard | Manassas, VA 20110-2209 www.atcc.org

New Standard

BSR/ATCC ASN-0004-202x, Species-Level Identification and Cross-Contamination Screening in Animal Cells by Mitochondrial DNA Multiplex PCR (new standard)

Stakeholders: Life sciences industry, medical, pharma, academic researchers

Project Need: Standardized mitochondrial DNA multiplex PCR assays help researchers working with cell lines commonly used in industrial and academic settings to both confirm their cell lines' identities and check for cell line cross-contamination involving these same species.

Interest Categories: University researchers, biorepositories, culture collections, biotechnology industry researchers, contract research and service organizations

Primary and continuous cell cultures, including whole blood and blood products, and tissues are important in vitro systems and tools for research in the pharmaceutical and biotechnology industries and academic institutions. An assay for species identity is crucial for ensuring the accuracy, reproducibility, and relevance of cells utilized as tools in each of these disciplines. The isoenzyme analysis (no longer commercially available) provided species confirmation for a limited number of animal species and was useful primarily for authenticating cultured animal cells. The current standard describes a Polymerase Chain Reaction (PCR)-based approach that can replace and improve upon the isoenzyme analysis method for (1) confirming the species of vertebrate animal cells that are commonly used in industry and academic applications and (2) checking for cross-contamination (i.e., mixed cultures or misidentified cultures) involving these same targeted species. The PCR approach targets mitochondrial genes; the amplicon sizes indicate the species of origin for the cells being evaluated. Unlike other assays that identify animal cells through mitochondrial Cytochrome c Oxidase Subunit 1 (CO1) DNA barcodes, this technique detects low levels of inter-species cell cross-contamination. This technique, however, does not detect intra-species cross-contamination.

ESTA (Entertainment Services and Technology Association)

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

Revision

BSR/E1.11-202x, Entertainment Technology—USITT DMX512-A, Asynchronous Serial Digital Data Transmission Standard for Controlling Lighting Equipment and Accessories (revision of ANSI E1.11-2008 (R2018))

Stakeholders: Entertainment lighting control system manufacturers, specifiers, installers, and users.

Project Need: There is a requirement in the standard that is impossible to meet. The solution in the field has been to ignore the requirement, but a better solution would be to revise the standard.

Interest Categories: Producers (mass-market and custom equipment); system designers; equipment dealers and rental companies; users

E1.11 describes a protocol for transmitting digital data used to control entertainment lighting equipment and accessories. Entertainment lighting equipment and accessories includes, but is not limited to, dimmers, robotic luminaires, color changers, robotic mirrors, dousers, color wheels, motion effects wheels, and pattern rotators. The protocol is not intended to be used to control equipment where injury to people or damage to property could result.

ESTA (Entertainment Services and Technology Association)

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New Standard

BSR/E1.73-1-202x, Next Generation Entertainment Control Model: Uniform Device Representation, Core Document (new standard)

Stakeholders: Entertainment lighting equipment manufacturers, specifiers, control system designers, equipment rental companies and dealers, lighting control system users.

Project Need: There is a standardization gap related to the interoperability of entertainment control consoles and the equipment they are designed to control, which is currently solved by proprietary fixture libraries created and maintained by individual companies. End-users are beholden to these fixture library maintainers to ensure that their products work correctly together. This status quo is cumbersome and inconvenient. There is a need for a fixture library framework that is not bound to the control channel assumptions embedded in DMX512.

Interest Categories: Custom and mass-market equipment producers, designers, dealer or rental companies, users.

E1.73-1 defines essential structures and uses of the data model and structures used in an E1.73 Uniform Device Representation standards suite. The E1.73 suite provides a framework by which manufacturers of entertainment equipment can describe controllable and visualizable devices in a digital format. The framework will enable the provision of descriptive information about devices and their state, including both parameters and physical properties, and the metadata needed to describe them. A standard method will be provided to map controllable parameters to existing control endpoints.

ESTA (Entertainment Services and Technology Association)

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New Standard

BSR/E1.73-2-202x, Core Definitions for E1.73-1 Next Generation Entertainment Control Model: Uniform Device Representation (new standard)

Stakeholders: Entertainment lighting equipment manufacturers, specifiers, control system designers, equipment rental companies and dealers, lighting control system users.

Project Need: There is a standardization gap related to the interoperability of entertainment control consoles and the equipment they are designed to control, which is currently solved by proprietary fixture libraries created and maintained by individual companies. End-users are beholden to these fixture library maintainers to ensure that their products work correctly together. This status quo is cumbersome and inconvenient. There is a need for a fixture library framework that is not bound to the control channel assumptions embedded in DMX512.

Interest Categories: Custom and mass-market equipment producers, designers, dealer or rental companies, users.

E1.73 provides a framework by which manufacturers of entertainment equipment can describe controllable and visualizable devices in a digital format. This part, E1.73-2, provides core definitions. The E1.73 suite will enable the provision of descriptive information about devices and their state, including both parameters and physical properties, and the metadata needed to describe them. A standard method will be provided to map controllable parameters to existing control endpoints.

ESTA (Entertainment Services and Technology Association)

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New Standard

BSR/E1.73-3-202x, Intensity/Color Definitions for E1.73-1 Next Generation Entertainment Control Model: Uniform Device Representation (new standard)

Stakeholders: Entertainment lighting equipment manufacturers, specifiers, control system designers, equipment rental companies and dealers, lighting control system users.

Project Need: There is a standardization gap related to the interoperability of entertainment control consoles and the equipment they are designed to control, which is currently solved by proprietary fixture libraries created and maintained by individual companies. End-users are beholden to these fixture library maintainers to ensure that their products work correctly together. This status quo is cumbersome and inconvenient. There is a need for a fixture library framework that is not bound to the control channel assumptions embedded in DMX512.

Interest Categories: Custom and mass-market equipment producers, designers, dealer or rental companies, users.

E1.73 provides a framework by which manufacturers of entertainment equipment can describe controllable and visualizable devices in a digital format. This part, E1.73-3, provides intensity/color definitions. The E1.73 suite will enable the provision of descriptive information about devices and their state, including both parameters and physical properties, and the metadata needed to describe them. A standard method will be provided to map controllable parameters to existing control endpoints.

ESTA (Entertainment Services and Technology Association)

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New Standard

BSR/E1.73-4-202x, Motion Definitions for E1.73-1 Next Generation Entertainment Control Model: Uniform Device Representation (new standard)

Stakeholders: Entertainment lighting equipment manufacturers, specifiers, control system designers, equipment rental companies and dealers, lighting control system users.

Project Need: There is a standardization gap related to the interoperability of entertainment control consoles and the equipment they are designed to control, which is currently solved by proprietary fixture libraries created and maintained by individual companies. End-users are beholden to these fixture library maintainers to ensure that their products work correctly together. This status quo is cumbersome and inconvenient. There is a need for a fixture library framework that is not bound to the control channel assumptions embedded in DMX512.

Interest Categories: Custom and mass-market equipment producers, designers, dealer or rental companies, users.

E1.73 provides a framework by which manufacturers of entertainment equipment can describe controllable and visualizable devices in a digital format. This part of the E1.73 suite, E1.73-4, defines types of motion with lighting equipment. The framework will enable the provision of descriptive information about devices and their state, including both parameters and physical properties, and the metadata needed to describe them. A standard method will be provided to map controllable parameters to existing control endpoints.

IES (Illuminating Engineering Society)

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

Revision

BSR/IES LM-85-23-202x, Approved Method: Optical and Electrical Measurements of LED Sources (revision of ANSI/IES LM-85-2020)

Stakeholders: Lighting testing labs, lighting photometric manufacturers, luminaire manufacturers, electrical engineers, lighting practitioners.

Project Need: This document provides guidance for the measurement of light emitting diode (LED) sources such as LED packages and LED arrays. The output of an LED source is strongly dependent on its operating conditions—in particular, the junction temperature (TJ). Minor changes in TJ can significantly affect the output of an LED. Therefore, accurately setting and measuring TJ is critical for photometric and colorimetric measurements. LED manufacturers typically provide performance characteristics of LED sources at TJ of 25°C and/or 85°C.

Interest Categories: GENERAL INTEREST-Government, Regulatory (GGR), Producer (P), TESTING LABORATORY-Test Equipment Manufacturer (TEM), TESTING LABORATORY-Test Equipment User (TEU), USER-Affected (UA), USER-Public Interest (UP)

This document provides guidance for the measurement of light emitting diode (LED) sources such as LED packages and LED arrays. The output of an LED source is strongly dependent on its operating conditions—in particular, the junction temperature (TJ). Minor changes in TJ can significantly affect the output of an LED. Therefore, accurately setting and measuring TJ is critical for photometric and colorimetric measurements. LED manufacturers typically provide performance characteristics of LED sources at TJ of 25 °C and/or 85 °C.

IES (Illuminating Engineering Society)

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New Standard

BSR/IES TM- (SO417)-202x, Technical Memorandum: Parametric Variations in LED Packages, Arrays and Modules affecting Luminous Flux and Color Maintenance (new standard)

Stakeholders: Luminaire manufacturers, electrical engineers, testing laboratories, optical and vision experts, regulatory/code, LED component manufacturer, lighting testing labs.

Project Need: To document expert consensus about the variations in LED packages, arrays and modules that affect IES LM-80 test results (i.e. lumen and color maintenance data), and by extension, IES TM-21 lumen maintenance projection results. Examples of such variations include but are not limited to differences in / changes to correlated color temperature, number of LED dies or packages, drive current, current density, and thermal resistance. This knowledge can help to determine when new LM-80 testing must be conducted, and when existing LM-80 test reports may reasonably be used to represent the performance of untested parts.

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

This document provides recommended practices for the application of LM-80 test reports where variations exist between a tested LED package/array/module (as defined in IES LS-1) and untested LED package(s)/array(s)/module(s) for which said test reports may be deemed applicable.

ISEA (International Safety Equipment Association)

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Revision

BSR/ISEA 121-202x, Dropped Object Prevention Solutions (revision of ANSI/ISEA 121-2018)

Stakeholders: Solution providers, safety and risk management groups, key user industries including construction, utilities, mining, transportation and oil and gas, government entities

Project Need: Standard fills a much needed gap in solutions to help reduce the growing number of workplace injuries and fatalities caused as a result of dropped objects.

Interest Categories: Manufacturer/producer, User, Government, General Interest

This standard establishes minimum design, performance, and labeling requirements for solutions that reduce dropped objects incidents in industrial and occupational settings by addressing the classification and testing of these solutions. It does not address passive preventative solutions such as netting barricades and toe boards. The standard also does not address protective solutions for dropped objects that minimize damage from falling objects.

NEMA (ASC C12) (National Electrical Manufacturers Association)

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New Standard

BSR C12.46-202x, Electricity Meters—0.1, 0.2, 0.5 and 1.0 Accuracy Classes for the Measurement of Active, Apparent and Reactive Energy (new standard)

Stakeholders: Meter manufacturers, Electrical Utilities, third part test agencies

Project Need: Harmonization with international metrological requirements

Interest Categories: Users, Producers and General Interest members

This Standard specifies the metrological and technical performance requirements applicable to electricity meters subject to legal metrological controls. Requirements are provided for type approval, verification, re-verification, and in situ testing. They also apply to modifications that may be made to existing approved devices.

NEMA (ASC C12) (National Electrical Manufacturers Association)

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National Adoption

BSR C12/IEC 62056-8-11 ED1-202x, Electricity metering data exchange – The DLMS/COSEM suite – Part 8-11:

Communication profile for Wi-SUN field area mesh networks (identical national adoption of IEC 62056-8-11 ED1)

Stakeholders: Meter manufacturers, Electrical Utilities, third-part testing labs

Project Need: National adoption of international requirements

Interest Categories: User, Producer, General Interest

This standard covers the communication profile for Wi-SUN field area mesh networks. The Wi-SUN FAN is designed to fulfill the requirements of a ubiquitous network, but has no applications specified to operate over it, so it is application agnostic. Similarly, DLMS does not specify a single set of lower layers to support the application layer and can be described as transport agnostic.

NFPA (National Fire Protection Association)

Dawn Michele Bellis <dbellis@nfpa.org> | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Revision

BSR/NFPA 455-202x, Guide for Emergency Medical Services and Systems and Community Health Care Programs (revision, redesignation and consolidation of ANSI/NFPA 450-2021 and ANSI/NFPA 451-2019)

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

Project Need: Public interest and need

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

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

This document provides direction on the design of emergency medical services (EMS) system and community health care programs provided by EMS systems.

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 1750-202x, Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Providing Fire and Emergency Services to the Public (revision, redesignation and consolidation of ANSI/NFPA 1710-2020, ANSI/NFPA 1720-2020, ANSI/NFPA 1730-2019 and ANSI/NFPA 1201-2020)

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

Project Need: Public interest and need.

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

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

This standard contains minimum requirements relating to the organization and deployment of fire suppression operations, emergency medical operations, and special operations to the public by career, and volunteer and combination fire departments; organization and deployment of fire prevention inspections and code enforcements, plan reviews, investigations, and public education operations; and contains requirements on the structure and operations of fire and emergency service organizations (FESOs).

PLASTICS (Plastics Industry Association)

Jeff Linder <jlinder@plasticsindustry.org> | 1425 K Street, NW, Suite 500 | Washington, DC 20005 www.plasticsindustry.org

New Standard

BSR/PLASTICS B151.32-202x, Safety Requirements for Flat Cast Film and Cast Embossed Film Extrusion Machines (new standard)

Stakeholders: Machinery suppliers, producers, users, plastics processors

Project Need: Flat cast film and cast embossed film extrusion machinery have risks associated with their use. There is a need for a standard set of requirements to identify hazards and risk reduction measures. New technology is available to conduct risk assessments and mitigate risks identified, including safeguarding.

Interest Categories: Manufacturer, User, Other Producer, General Interest

The requirements of this standard apply to all machines equipped with one or more metal rolls upon which a plastic melt is cast for the purpose of heat transfer and can include flat film or embossed film applications. This standard identifies and addresses known hazards to personnel working on, or adjacent to, the flat cast film and cast embossed film extrusion machinery. Safety requirements of ancillary equipment used with the machinery are not covered by this standard.

RESOLVE (Resolve, Inc.)

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New Standard

BSR/RES-001, Reusable packaging system design specifications and recommendations: Containers (new standard)

Stakeholders: Businesses including consumer goods companies, restaurant and food service companies, retailers, reuse service providers, product manufacturers or component suppliers. Consumers: Individual

consumers, organizations that represent consumers, or community groups. Workers: Individuals or organizations that represent formal or informal workers in roles related to or impacted by reusable

packaging, including but not limited to workers at manufacturing facilities, food service and retail

businesses, container sorting and washing facilities, transport and logistics companies, and workers in

recycling or waste collection. Government: Representatives from national or local government agencies,

including food and drug agencies, health or environmental agencies, public utilities, or other agencies that

may be involved in aspects of packaging regulation, production, use, or end-of-life. Testing and Standards:

Organizations that test and/or certify products, services, or systems covered by the standards, or that

develop standards/codes related to the products, services, or systems covered by the standards. General

interest: Community activists, academia, scientists, expert consultants, etc. that are not covered by the other

participation categories, such as representatives from groups impacted by packaging production or waste,

professional societies and trade associations, attorneys, or food safety experts.

Project Need: As reusable packaging systems have rapidly emerged in recent years, they have been designed independently and are mostly small-scale and disconnected. This standard will help align systems and infrastructure, creating interoperability, efficiencies, convenience, and cost savings.

Interest Categories: Businesses including consumer goods companies, restaurant and food service

companies, retailers, reuse service providers, product manufacturers or component suppliers. Consumers

Workers Government Testing and Standards (Organizations that test and/or certify products, services, or

systems covered by the standards) General interest

This standard specifies design requirements and recommendations for reusable packaging that is intended

to be part of a returnable packaging system. The standard covers packaging design aspects, including

materials, durability, labeling, digital tagging, and other aspects, that enable the packaging to be part of a

system of shared return points, transport, and washing infrastructure. This standard is only applicable to

primary packaging that comes into direct contact with a product and consumer. This standard is not

applicable to secondary or tertiary packaging, such as e-commerce boxes or sleeves or business-to-

business packaging.

ULSE (UL Standards & Engagement)

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

New Standard

BSR/UL 5810-202x, Standard for Safety for Active Fire Protection for Air Cargo Containers (new standard)

Stakeholders: Airlines, airport authorities, air carriers, manufacturers of air cargo containers and manufacturers of fire detection and suppression systems, and the Federal Aviation Administration

Project Need: There is an industry need for standardized requirements to evaluate active fire protection at a cargo container level. There are published standards and standards in development to cover passive fire containment and the structural requirements of air cargo containers. Some industry standards are limited to individual packages, where this new standard addresses the cargo container, which stores a collection of packages. In addition, this new standard fills a gap for addressing the next generation of fire containment, beyond Class A Fires (fires in ordinary combustible materials, such as wood, cloth, paper, rubber, and plastics for which the quenching and cooling effects of quantities of water, or of solutions containing a large percentage of water, are of prime importance).

Interest Categories: Commercial/Industrial Users, General Interest, Government, Producer, Supply Chain and Testing and Standards Organization

These requirements cover the performance requirements for active fire protection, specifically detection and suppression features, used in air cargo containers to contain a fire initiated inside the container. The requirements evaluate the ability of the fire protection to control or suppress lithium-ion battery-initiated fires on cargo aircraft and to include a series of standardized challenge fires (mixed hazardous materials, pallets of batteries, etc.).

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 11, 2023

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

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

Addenda

BSR/ASHRAE/ASHE Addendum a to BSR/ASHRAE/ASHE Standard 189.3-202x, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3-2021)

This second publication public review draft replaces the previous (first) publication public review draft in its entirety, and incorporates modifications published in Addendum o to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings. Two significant changes in Addendum o to Standard 189.1-2020 were revision of numbering Section 8.3.9 to Section 8.3.8 and revised to a mandatory requirement.

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

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

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

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

Revision

BSR/ASHRAE Standard 195-202xR, Method of Test for Rating Air Terminal Unit Controls (revision of ANSI/ASHRAE Standard 195-2013)

This revision of Standard 195-2013 specifies instrumentation and facilities, test installation methods, and procedures for determining the accuracy and stability of airflow control systems for terminal units at various airflow setpoints.

[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>

Comment Deadline: June 11, 2023

NSF (NSF International)

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

Revision

BSR/NSF/CAN 50-202x (i197r2), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2021)

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

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

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

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062 | isabella.brodzinski@ul.org, <https://ulse.org/>

New Standard

BSR/UL 9990-202x, Standard for Safety for Information and Communication Technology (ICT) Power Cables (new standard)

This Standard covers the power handling capabilities of Information and Communication Technology (ICT) cable assemblies when used for powering or charging Audio/Video, Information, and Communication Technology Equipment applications. This does not include Power Over Ethernet cables that are permanently installed to power equipment installed on the network. The signal transmission performance of the cable assemblies is not within the scope of these requirements. 1.2 These requirements apply to ICT cable assemblies categorized below, Type designations used in this standard only serve as a guide to determine appropriate requirements, and do not represent an assigned rating. a) Type I: These cable assemblies are intended to be used only in the output of a power source class 2 (PS2) and electrical energy source class 1 (ES1), or a limited power source, as determined in accordance with the Standard for Safety for Audio/Video, Information, and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1. These circuits do not exceed 60 V DC, 8.0 amperes and 100 watts. Note: These circuits are sometimes referred to as "low voltage, limited-power circuits", "low voltage, limited-energy circuits" or "NEC® Class 2 circuits". b) Type II: These cable assemblies are intended to be used ...

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

Send comments (copy psa@ansi.org) to: Isabella Brodzinski, isabella.brodzinski@ul.org

ULSE (UL Standards & Engagement)

47173 Benicia Street, Fremont, CA 94538 | Derrick.L.Martin@ul.org, <https://ulse.org/>

Revision

BSR/UL 746D-202x, Standard for Safety for Polymeric Materials - Fabricated Parts (revision of ANSI/UL 746D-2023)

The intent of this proposal is to correct an error in Figure 10.1.

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

Send comments (copy psa@ansi.org) to: Derrick Martin; Derrick.L.Martin@ul.org

Comment Deadline: June 11, 2023

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 763-202x, Standard for Motor-Operated Commercial Food Preparing Machines (revision of ANSI/UL 763-2022)

1. Proposed Revision to Provide Replacement Instructions in Marking and Instruction Manual to the Appliance Provided with a Detachable Cord Set; 2. Clarification on the temperature limit of the capacitor.

[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/Login>.

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | Amy.K.Walker@ul.org, <https://ulse.org/>

Revision

BSR/UL 923-202x, Standard for Safety for Microwave Cooking Appliances (revision of ANSI/UL 923-2020)

This proposal for UL 923 covers: 1. Clarification for Two-step Opening Requirement for Child Resistant Microwave Oven Door; 2. Clarification of the Definition of a Tool for Child Resistant Microwave Oven Door; 3. Type Color of the Burn Hazard Label for Child Resistant Microwave Oven Door.

[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)

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

Revision

BSR/UL 2442-202x, Standard for Wall- and Ceiling-Mounts and Accessories (revision of ANSI/UL 2442-2023)

This proposal covers: 1. Modification To Table 54.1, Supporting Surface Loading Parameters; 2. Modification To Clause 37.3.

[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)

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

Revision

BSR/UL 2703-202x, Standard for Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules (revision of ANSI/UL 2703-2021)

1. Clarification on aluminum alloys that do not need to be subjected to atmospheric corrosion tests.

[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 11, 2023

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 3100-202x, Standard for Safety for Automated Mobile Platforms (AMPs) (revision of ANSI/UL 3100-2021)

This proposal for UL 3100 covers: 1. Withdrawal of Proposal: Revision to Dielectric Voltage Withstand Test.

[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)

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

Revision

BSR/UL 6420-202x, Equipment Used for System Isolation and Rated as a Single Unit (revision of ANSI/UL 6420-2012)

Addition of requirements for Pneumatic Isolation, Annex C.

[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 26, 2023

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 076-202x, Standard for Training and Certification of Canine Detection of Human Remains: Human Remains on Land (new standard)

To state requirements for the training, certification, and documentation pertaining to canine teams trained to search for human remains on land. This document does not cover mass disaster victim location canine activities, which are covered under separate standards.

Single copy price: Free

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

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

Comment Deadline: June 26, 2023

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 169-202x, Standard for the Clinical Veterinary Forensic Examination (new standard)

This document provides minimum requirements for the forensic veterinary examination of a live animal and the collection of physical evidence. This includes the physical examination, diagnostic testing, documentation, and evidence handling specific to the examination of live animals encountered in potential civil or criminal forensic cases involving animals.

Single copy price: Free

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

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

ASA (ASC S12) (Acoustical Society of America)

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

Reaffirmation

BSR/ASA S12.9-2013/Part 3 (R202x), Quantities and Procedures for Description and Measurement of Environmental Sound, Part 3: Short-term Measurements with an Observer Present (reaffirmation of ANSI/ASA S12.9-2013/Part 3 (R2018))

This standard is the third in a series of parts concerning description and measurement of outdoor environmental sound. The standard describes recommended procedures for measurement of short-term, time-average environmental sound outdoors at one or more locations in a community for environmental assessment or planning for compatible land uses and for other purposes such as demonstrating compliance with a regulation.

These measurements are distinguished by the requirement to have an observer present. Sound may be produced by one or more separate, distributed sources of sound such as a highway, factory, or airport. Methods are given to correct the measured levels for the influence of background sound.

Single copy price: \$127.00

Obtain an electronic copy from: standards@acousticalsociety.org

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

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME B31P-202x, Standard Heat Treatment for Piping (revision of ANSI/ASME B31P-2017)

This Standard provides requirements for heat treatment of piping and pipelines, that meet the requirements of the ASME B31 Code Sections. These requirements apply to: (a) preheating; (b) postweld heat treatment (PWHT); (c) postforming heat treatment (PFHT) required by the ASME B31 Code Sections for other fabricated assemblies, including forming operations such as bending; (d) heat treatments required by contract documents.

Single copy price: Free

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

Send comments (copy psa@ansi.org) to: Umberto D'Urso <dursou@asme.org>

Comment Deadline: June 26, 2023

ASNT (American Society for Nondestructive Testing)

1711 Arlingate Lane, Columbus, OH 43228-0518 | mthomas@asnt.org, www.asnt.org

Revision

BSR/ASNT ILI-PQ-202x, ASNT In-Line Inspection Personnel Qualification and Certification (revision of ANSI/ASNT ILI-PQ-2017)

This Standard has been developed by The American Society for Nondestructive Testing, Inc., to establish minimum requirements for the qualification and certification of In-Line Inspection (ILI) personnel whose jobs require specific knowledge of the technical principles of ILI technologies, operations, regulatory requirements, and industry standards as applicable to pipeline systems. Qualification and certification of personnel shall be the responsibility of the employer.

Single copy price: Electronic version-free, Hard copy \$20.00 USD

Obtain an electronic copy from: standards@asnt.org

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

CTA (Consumer Technology Association)

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

New Standard

BSR/CTA 2109-202x, Evidence Based Performance Criteria for Digital Therapeutics (new standard)

This standard will define what evidence-based criteria should be used to meet definition for DTI.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

Send comments (copy psa@ansi.org) to: Catrina Akers <cakers@cta.tech>

CTA (Consumer Technology Association)

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

Revision

BSR/CTA 2009-C-202x, Performance Specification for Public Alert Receivers (revision of ANSI/CTA 2009-B-2010 (R2021))

To update CTA 2009 to conform with updates to the NWS WWA alert hierarchy.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

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

ESTA (Entertainment Services and Technology Association)

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

New Standard

BSR/ES1.40-202x, Event Safety - Security (new standard)

The purpose of this standard is to help reduce the risk of harm to people and their property while they attend music, sports, cultural, corporate, and other events and mass gatherings. This standard is expressly intended to be a companion piece to ANSI ES1.9-2020, Crowd Management, in that event security is an essential component of crowd management, and some of the reasonably foreseeable risks and risk mitigation strategies will overlap. It distinguishes between privately retained or volunteer security providers, and public safety officials such as police, sheriffs, constables, or firefighters who perform crowd control.

Single copy price: Free

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

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

Comment Deadline: June 26, 2023

ESTA (Entertainment Services and Technology Association)

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

New Standard

BSR/E1.64-202x, Stage Machinery Controls (new standard)

This standard establishes minimum requirements for the design, manufacture, installation, commissioning, inspection, operation, and maintenance of machinery control equipment in the Entertainment Industry including equipment that is used in production, touring, and temporary or permanent installation.

Single copy price: Free

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

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

ESTA (Entertainment Services and Technology Association)

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

New Standard

BSR/E1.71-202x, Powered Curtain Machines (new standard)

This standard establishes requirements for the design, manufacture, installation, inspection, and maintenance of machines intended for the movement of curtains. Curtains operated by these machines may be for scenery, performance, presentation, acoustical dampening, museum exhibits, retail displays, and theatrical production.

Control systems, mechanical construction, and powertrain components of these machines are included in its scope, but the fabric or other curtain material, tracks and track components, are not included in its scope.

Single copy price: Free

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

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

ESTA (Entertainment Services and Technology Association)

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

New Standard

BSR/E1.76-202x, Tension Wire Grids (new standard)

This standard provides guidance on the design and installation of tensioned wire rope grids, including loading and support or suspension from structure. It provides deflection criteria for the woven mesh and structural frame as a walking/working system, and also provides guidance on the size of openings permissible in the surface. The scope includes fall protection and edge protection for the entirety of the walking/working surface, including platforms, ramps and stairs.

Single copy price: Free

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

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

Comment Deadline: June 26, 2023

ESTA (Entertainment Services and Technology Association)

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

Reaffirmation

BSR E1.8-2018 (R202x), Entertainment Technology-Loudspeaker Enclosures Intended for Overhead Suspension-Classification, Manufacture and Structural Testing (reaffirmation of ANSI E1.8-2018)

This standard covers the requirements for loudspeaker enclosures specifically intended for overhead suspension, but addresses only the structural characteristics of the enclosure pertaining to its suspension, such as enclosure construction, component part security, enclosure suspension hardware, manufacturing control systems, structural testing, and product representation.

Single copy price: Free

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

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

ESTA (Entertainment Services and Technology Association)

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

Reaffirmation

BSR E1.46-2018 (R202x), Standard for the Prevention of Falls from Theatrical Stages and Raised Performance Platforms (reaffirmation of ANSI E1.46-2018)

The users of theatrical stages and raised platforms can suffer debilitating injuries from falls into orchestra pits, open stage lifts, and similar openings in stage floors. Health and safety regulations require action to prevent these falls, but offer little guidance that is suitable for theatrical environments. This document provides that guidance.

Single copy price: Free

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

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

ESTA (Entertainment Services and Technology Association)

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

Revision

BSR/E1.21-202x, Temporary Structures Used for Technical Production of Outdoor Entertainment Events (revision of ANSI/E1.21-2020)

This document establishes a minimum level of design and performance parameters for the design, manufacturing, use and maintenance of temporary ground-supported structures used in the production of outdoor entertainment events. The purpose of this guidance is to ensure the structural reliability and safety of these structures and does not address fire safety and safe egress issues. It is a revision of ANSI E1.21-2020 that includes updates to accommodate current technology, and to harmonize new changes in building code requirements.

Single copy price: Free

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

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

Comment Deadline: June 26, 2023

TIA (Telecommunications Industry Association)

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

National Adoption

BSR/TIA 455-3-C-202x, FOTP-3 Procedure to Measure Temperature Cycling Effects on Optical Fiber Units, Optical Cable, and Other Passive Fiber Components (national adoption of IEC 60794122 with modifications and revision of ANSI/TIA 455-3B-2009 (R2014))

This document is to revise ANSI/TIA-455-3B to: 1. Harmonize rate of temperature change with IEC 60794-1-22, Method F1 2. Harmonize temperature precision with IEC 60794-1-22, Method F1

Single copy price: \$79.00

Obtain an electronic copy from: standards-process@tiaonline.org

Send comments (copy psa@ansi.org) to: Teesha Jenkins <standards-process@tiaonline.org>

ULSE (UL Standards & Engagement)

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

New Standard

BSR/UL 2930-202x, Standard for Cord-and-Plug-Connected Health Care Facility Outlet Assemblies (new standard)
These requirements cover indoor-use cord-and-plug-connected Health Care Facility receptacle outlet assemblies (HCOA) rated 250 V AC or less and 20 Amperes or less. HCOA are for use as a movable power supply connection for cord-and-plug-connected medical electrical utilization equipment in accordance with the National Electrical Code, NFPA 70.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/ProposalAvailable>

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>.

ULSE (UL Standards & Engagement)

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

New Standard

BSR/UL 9741-202x, Safety for Electric Vehicle Power Export Equipment (EVPE) (new standard)

The Proposed First Edition of the Standard for Electric Vehicle Power Export Equipment (EVPE).

Single copy price: Free

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

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

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 1577-2015 (R202x), Standard for Safety for Optical Isolators (reaffirmation of ANSI/UL 1577-2015 (R2019))

Reaffirmation and continuance of the Fifth Edition of the Standard for Safety for Optical Isolators, UL 1577, as an standard.

Single copy price: Free

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

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

Comment Deadline: July 11, 2023

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

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

National Adoption

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

Specifies “basic attributes” which are required to describe metadata in situations where a complete ISO/IEC 11179-3 metadata registry is not appropriate (e.g., in the specification of other International Standards).

Single copy price: \$77.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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

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

National Adoption

INCITS/ISO/IEC 11179-31:2023 [202x], Information technology - Metadata registries (MDR) - Part 31:

Metamodel for data specification registration (identical national adoption of ISO/IEC 11179-31:2023)

Provides a specification for an extension to a Metadata Registry (MDR), as specified in ISO/IEC 11179-3, in which metadata that describes data elements and associated concepts, such as “data element concepts”, “conceptual domains” and “value domains” can be registered.

Single copy price: \$237.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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

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

National Adoption

INCITS/ISO/IEC 11179-32:2023 [202x], Information technology - Metadata registries (MDR) - Part 32:

Metamodel for concept system registration (identical national adoption of ISO/IEC 11179-32:2023)

Provides a specification for an extension to a metadata registry (MDR), as specified in ISO/IEC 11179-3:2023, in which metadata that describes concept systems can be registered. The specification in this document, together with the relevant clauses of the specification in ISO/IEC 11179-3, provides the ability to record the following metadata: concept systems and associated concepts; relations among concepts in a concept system; assertions about concepts in a concept system.

Single copy price: \$237.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

Comment Deadline: July 11, 2023

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

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

National Adoption

INCITS/ISO/IEC 11179-33:2023 [202x], Information technology - Metadata registries (MDR) - Part 33:

Metamodel for data set registration (identical national adoption of ISO/IEC 11179-33:2023)

Provides a specification for an extension to a Metadata Registry (MDR), as specified in ISO/IEC 11179-3 in which metadata which describes data sets, collections of data available for access or download in one or more formats, can be registered. Since a set can contain a single element, this document enables the recording of metadata about a single data value.

Single copy price: \$183.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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

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

National Adoption

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

Specifies mechanisms for cross-domain password-based authenticated key exchange, all of which are four-party password-based authenticated key exchange (4PAKE) protocols. Such protocols let two communicating entities establish a shared session key using just the login passwords that they share with their respective domain authentication servers. The authentication servers, assumed to be part of a standard public key infrastructure (PKI), act as ephemeral certification authorities (CAs) that certify key materials that the users can subsequently use to exchange and agree on as a session key.

Single copy price: \$157.00

Obtain an electronic copy from: <http://webstore.ansi.org>

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

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

National Adoption

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

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

Single copy price: \$116.00

Obtain an electronic copy from: <http://webstore.ansi.org>

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Comment Deadline: July 11, 2023

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

National Adoption

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

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

Single copy price: \$183.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

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

National Adoption

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

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

Single copy price: \$263.00

Obtain an electronic copy from: <http://webstore.ansi.org>

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

National Adoption

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

Specifies immersive media metrics and the measurement framework. The immersive media metrics can be collected by service providers and used to enhance the immersive media quality and experiences. This document also includes a client reference model with observation and measurement points for collection of the metrics.

Single copy price: \$116.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

Comment Deadline: July 11, 2023

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National Adoption

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

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

Single copy price: \$210.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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National Adoption

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

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

Single copy price: \$263.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

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

National Adoption

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

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

Single copy price: \$183.00

Obtain an electronic copy from: <http://webstore.ansi.org>

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Comment Deadline: July 11, 2023

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National Adoption

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

Specifies one method for authenticated encryption suitable for applications requiring lightweight cryptographic mechanisms. This method processes a data string with the following security objectives: a) data confidentiality, i.e., protection against unauthorized disclosure of data, b) data integrity, i.e., protection that enables the recipient of data to verify that it has not been modified. Optionally, this method can provide data origin authentication, i.e., protection that enables the recipient of data to verify the identity of the data originator.

Single copy price: \$116.00

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National Adoption

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

To prove ownership of an ITU-T X.509 certificate registered individually with the registration authority (RA), a biometric hardware security module has been considered to provide a high-level biometric authentication.

ISO/IEC 17922:2017 provides a framework for telebiometric authentication using BHSM.

Single copy price: \$116.00

Obtain an electronic copy from: <http://webstore.ansi.org>

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

National Adoption

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

Establishes terminology for AI and describes concepts in the field of AI. This document can be used in the development of other standards and in support of communications among diverse, interested parties or stakeholders. This document is applicable to all types of organizations (e.g., commercial enterprises, government agencies, not-for-profit organizations).

Single copy price: \$237.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

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Comment Deadline: July 11, 2023

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

National Adoption

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

Provides guidance on how organizations that develop, produce, deploy or use products, systems and services that utilize artificial intelligence (AI) can manage risk specifically related to AI. The guidance also aims to assist organizations to integrate risk management into their AI-related activities and functions. It moreover describes processes for the effective implementation and integration of AI risk management. The application of this guidance can be customized to any organization and its context.

Single copy price: \$157.00

Obtain an electronic copy from: <http://webstore.ansi.org>

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National Adoption

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

Provides a framework for developing processes to effectively leverage big data analytics across the organization, irrespective of the industries or sectors.

Single copy price: \$210.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

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

National Adoption

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

Provides a user-centric framework for handling personally identifiable information (PII), based on privacy preferences.

Single copy price: \$157.00

Obtain an electronic copy from: <http://webstore.ansi.org>

Order from: <http://webstore.ansi.org>

Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

Comment Deadline: July 11, 2023

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

National Adoption

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

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

Single copy price: \$157.00

Obtain an electronic copy from: <http://webstore.ansi.org>

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

National Adoption

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

Provides a framework for identifying and mitigating re-identification risks and risks associated with the lifecycle of de-identified data. This document is applicable to all types and sizes of organizations, including public and private companies, government entities, and not-for-profit organizations, that are PII controllers or PII processors acting on a controller's behalf, implementing data de-identification processes for privacy enhancing purposes.

Single copy price: \$157.00

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

National Adoption

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

Amendment 1 to ISO/IEC 10116:2017.

Single copy price: \$22.00

Obtain an electronic copy from: <http://webstore.ansi.org>

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Comment Deadline: July 11, 2023

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

National Adoption

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

Single copy price: \$22.00

Obtain an electronic copy from: <http://webstore.ansi.org>

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ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 260-202X, Standard for Dry Pipe and Deluge Valves for Fire-Protection Service (revision of ANSI/UL 260-2018)

1. New edition of UL 260, Standard for Dry Pipe and Deluge Valves for Fire-Protection Service.

Single copy price: Free

Order from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

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

Final Actions on American National Standards

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

ASA (ASC S12) (Acoustical Society of America)

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

ANSI/ASA S12.58-2012 (R2019), Sound Power Level Determination for Sources Using a Single-Source Position (withdrawal of ANSI ASA S12.58-2012 (R2019)) Final Action Date: 5/5/2023 | *Withdrawal*

ASA (ASC S2) (Acoustical Society of America)

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

ANSI/ASA S2.72-2003/Part 4 (R2023)/ISO 2631-4-2001 (R2023), Mechanical Vibration and Shock - Evaluation of Human Exposure to Whole Body Vibration - Part 4: Guidelines for the Evaluation of the Effects of Vibration and Rotational Motion on Passenger and Crew Comfort in Fixed-Guideway Transport Systems (a nationally adopted international standard) (reaffirm a national adoption ANSI/ASA S2.72-2003/Part 4 (R2018)/ISO 2631-4-2001 (R2018)) Final Action Date: 5/5/2023 | *Reaffirmation*

ANSI/ASA S2.72/Part 4 Amd. 1-2010/ISO 2631-4 Amd. 1:2010 (R2023), Mechanical vibration and shock - Evaluation of human exposure to whole-body vibration - Part 4: Guidelines for the evaluation of the effects of vibration and rotational motion on passenger and crew comfort in fixed-guideway transport systems, AMENDMENT 1 (a nationally adopted international standard--AMENDMENT) (reaffirm a national adoption ANSI/ASA S2.72/Part 4 Amd. 1-2010/ISO 2631-4 Amd. 1:2010 (R2018)) Final Action Date: 5/5/2023 | *Reaffirmation*

ASA (ASC S3) (Acoustical Society of America)

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

ANSI/ASA S3.1-1999 (R2023), Maximum Permissible Ambient Noise Levels for Audiometric Test Rooms (reaffirmation of ANSI/ASA S3.1-1999 (R2018)) Final Action Date: 5/5/2023 | *Reaffirmation*

ANSI/ASA S3.55-2014/Part 1/IEC 60318-1:2009 (R2023), Electroacoustics - Simulators of Human Head and Ear - Part 1: Ear Simulator for the Measurement of Supra-aural and Circumaural Earphones (a nationally adopted international standard) (reaffirm a national adoption ANSI/ASA S3.55-2014/Part 1/IEC 60318-1:2009 (R2019)) Final Action Date: 5/5/2023 | *Reaffirmation*

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

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

ANSI/ASHRAE/ICC/IES/USGBC Addendum am to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020) Final Action Date: 4/28/2023 | *Addenda*

ASME (American Society of Mechanical Engineers)

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

ANSI/ASME B29.12M-1997 (R2023), Steel Bushed Rollerless Chains Attachments and Sprocket Teeth (reaffirmation of ANSI/ASME B29.12M-1997 (R2018)) Final Action Date: 5/1/2023 | *Reaffirmation*

ANSI/ASME B29.17M-1998 (R2023), Hinge-Type Flat Top Conveyor Chains and Sprocket Teeth (reaffirmation of ANSI/ASME B29.17M-1998 (R2018)) Final Action Date: 5/1/2023 | *Reaffirmation*

ASME (American Society of Mechanical Engineers)

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

ANSI/ASME B29.21-2013 (R2023), 700 Class Welded Steel and Cast Chains, Attachments and Sprockets for Water and Sewage Treatment Plants (reaffirmation of ANSI/ASME B29.21-2013 (R2018)) Final Action Date: 5/1/2023 | *Reaffirmation*

ANSI/ASME B29.400-2001 (R2023), Combination, H Type Mill Chains and Sprockets (reaffirmation of ANSI/ASME B29.400-2001 (R2018)) Final Action Date: 5/1/2023 | *Reaffirmation*

ASSP (Safety) (American Society of Safety Professionals)

520 N. Northwest Highway, Park Ridge, IL 60068 | LBauerschmidt@assp.org, www.assp.org

ANSI/ASSP Z359.2-2023, Minimum Requirements for a Comprehensive Managed Fall Protection Program (revision and redesignation of ANSI/ASSE Z359.2-2017) Final Action Date: 5/5/2023 | *Revision*

ASTM (ASTM International)

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

ANSI/ASTM D6792-2022A, Practice for Quality Management Systems in Petroleum Products, Liquid Fuels, and Lubricants Testing Laboratories (revision of ANSI/ASTM D6792-2021C) Final Action Date: 3/1/2023 | *Revision*

AWWA (American Water Works Association)

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

ANSI/AWWA C219-2023, Bolted Sleeve-Type Couplings for Plain-End Pipe (revision of ANSI/AWWA C219-2017) Final Action Date: 5/5/2023 | *Revision*

CSA (CSA America Standards Inc.)

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

ANSI/CSA LNG 4.1-2018 (R2023), Liquefied natural gas (LNG) dispensing systems for natural gas vehicles (NGV) (reaffirmation of ANSI CSA LNG 4.1-2018) Final Action Date: 5/2/2023 | *Reaffirmation*

CTA (Consumer Technology Association)

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

ANSI/CTA 2088.2-2023, Baseline Cybersecurity for Private Consumer Robotics (new standard) Final Action Date: 5/8/2023 | *New Standard*

NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Kyle.Krueger@necanet.org, www.neca-neis.org

ANSI/NECA 91-2023, Recommended Practice for Maintaining Electrical Equipment (new standard) Final Action Date: 5/8/2023 | *New Standard*

NSF (NSF International)

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

ANSI/NSF/CAN 50-2023 (i198r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2021) Final Action Date: 5/2/2023 | *Revision*

RESNET (Residential Energy Services Network, Inc.)

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

ANSI/RESNET/ICC 380-2023 Addendum A-2023, Reference Standards (addenda to ANSI/RESNET/ICC 380-2022) Final Action Date: 5/8/2023 | *Addenda*

ULSE (UL Standards & Engagement)

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

ANSI/UL 565-2018 (R2023), Standard for Liquid-Level Gauges for Anhydrous Ammonia and LP-Gas (reaffirmation of ANSI/UL 565-2018) Final Action Date: 4/25/2023 | *Reaffirmation*

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.

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.

SCTE is currently seeking to broaden the membership base of its ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.

Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures.

More information is available at www.scte.org or by e-mail from standards@scte.org.

ANSI Accredited Standards Developer

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

SSPC 15, Safety Standard for Refrigeration Systems

Persons who are interested in serving on this ASHRAE committee are asked to indicate their interest by completing the online membership application steps listed under “Instructions for New Applicants” at <https://www.ashrae.org/technical-resources/standards-and-guidelines/apply-to-a-project-committee> or by contacting Connor Barbaree at: ASHRAE, 180 Technology Parkway, Peachtree Corners, GA 30092; phone: 678-539-1125; email Standards.Section@ashrae.org.

SSPC 15, Safety Standard for Refrigeration Systems

Note: Applications are being specifically sought for the following interest categories:

1. **Compliance:** Persons primarily interested in compliance with the standard. A person in this category would make their living from developing regulations, enforcing the requirements of the standard, developing programs tied to the standard, or advocating the standard. Example members of this category would be from NRTLs, building code officials, building code organizations, state energy offices, and other local, state, and federal officials.
2. **Designer/Builder:** Those who provide building design/HVACR design and construction services, including consulting engineers, HVACR and general contractors, design/build contractors, or representatives of associations of these types of professionals.
3. **General:** A member who cannot be categorized in any other approved interest category covered in the project scope.
4. **Owner/Operator/Occupant:** Employees or representatives of building owners/managers, building engineers, facility managers, and consultants who specialize in working in existing buildings (as opposed to those who design and construct new buildings), as well as representatives of building occupants.

For inquiries please contact: Stephanie Reiniche, American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. (ASHRAE) | 180 Technology Parkway, Peachtree Corners, GA 30092 | (678) 539-1143, sreiniche@ashrae.org

ANSI Accredited Standards Developer

CTA - Consumer Technology Association

CTA is seeking new members to join the consensus body. CTA and the R11 Health, Fitness & Wellness Committee are particularly interested in adding new members (called "users") who acquire health, fitness and wellness products from those who create them, and in adding new members who neither produce nor use health, fitness or wellness products, and others (called members with a "general interest").

Please contact:

Kerri Haresign
Director, Technology & Standards
Consumer Technology Association (CTA)
1919 South Eads Street
Arlington, VA 22202
p: (703) 907-5267
e: KHaresign@cta.tech

ANSI Accredited Standards Developer

CTA - Consumer Technology Association

CTA and the R6 Intelligent Mobility Committee are particularly interested in adding new members (called "users" who acquire health & fitness products from those who create them) as well as those with a general interest.

For inquiries please contact: Kerri Haresign, Consumer Technology Association (CTA) | 1919 South Eads Street, Arlington, VA 22202 | (703) 907-5267, KHaresign@cta.tech

ANSI Accredited Standards Developer

ESTA - Entertainment Services and Technology Association

The Event Safety Working Group of ESTA seeks new voting members in the following interest categories: Equipment providers; Event workers; Insurance companies; and Performing artists. Send inquiries to standards@esta.org.

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 62600-2-202x, Marine energy - Wave, tidal and other water current converters - Part 2: Marine energy systems - Design requirements (identical national adoption of IEC TS 62600-2:2019)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 62600-3-202x, Marine energy - Wave, tidal and other water current converters - Part 3: Measurement of mechanical loads (identical national adoption of IEC TS 62600-3:2020)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 62600-4-202x, Marine energy - Wave, tidal and other water current converters - Part 4: Specification for establishing qualification of new technology (identical national adoption of IEC TS 62600-4:2020)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 62600-10-202x, Marine energy - Wave, tidal and other water current converters - Part 10: Assessment of mooring system for marine energy converters (MECs) (identical national adoption of IEC TS 62600-10:2021)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 62600-20-202x, Marine energy - Wave, tidal, and other water current converters - Part 20: Design and analysis of an Ocean Thermal Energy Conversion (OTEC) plant - General guidance (identical national adoption of IEC TS 62600-20:2019)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 62600-30-202x, Marine energy - Wave, tidal and other water current converters - Part 30: Electrical power quality requirements (identical national adoption of IEC TS 62600-30:2018)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 62600-40-202x, Marine energy - Wave, tidal and other water current converters - Part 40: Acoustic characterization of marine energy converters (identical national adoption of IEC TS 62600-40:2019)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 62600-202-202x, Marine energy - Wave, tidal and other water current converters - Part 202: Early stage development of tidal energy converters - Best practices and recommended procedures for the testing of pre-prototype scale devices (identical national adoption of IEC TS 62600-202:2022)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 62600-300-202x, Marine energy - Wave, tidal and other water current converters - Part 300: Electricity producing river energy converters - Power performance assessment (identical national adoption of IEC TS 62600-300:2019)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 62600-301-202x, Marine energy - Wave, tidal and other water current converters - Part 301: River energy resource assessment (identical national adoption of IEC TS 62600-301:2019)

ASA (ASC S12) (Acoustical Society of America)

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

BSR/ASA S12.9-2013/Part 3 (R202x), Quantities and Procedures for Description and Measurement of Environmental Sound, Part 3: Short-term Measurements with an Observer Present (reaffirmation of ANSI/ASA S12.9-2013/Part 3 (R2018))

ASNT (American Society for Nondestructive Testing)

1711 Arlingate Lane, Columbus, OH 43228-0518 | mthomas@asnt.org, www.asnt.org

BSR/ASNT ILI-PQ-202x, ASNT In-Line Inspection Personnel Qualification and Certification (revision of ANSI/ASNT ILI-PQ-2017)

ATCC (American Type Culture Collection)

10801 University Boulevard, Manassas, VA 20110-2209 | cna@atcc.org, www.atcc.org

BSR/ATCC ASN-0004-202x, Species-Level Identification and Cross-Contamination Screening in Animal Cells by Mitochondrial DNA Multiplex PCR (new standard)

CTA (Consumer Technology Association)

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

BSR/CTA 2009-C-202x, Performance Specification for Public Alert Receivers (revision of ANSI/CTA 2009-B-2010 (R2021))

Interest Categories: CTA and the R6 Intelligent Mobility Committee are particularly interested in adding new members (called "users" who acquire health & fitness products from those who create them) as well as those with a general interest.

CTA (Consumer Technology Association)

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

BSR/CTA 2109-202x, Evidence Based Performance Criteria for Digital Therapeutics (new standard)

Interest Categories: CTA is seeking new members to join the consensus body. CTA and the R11 Health, Fitness & Wellness Committee are particularly interested in adding new members (called "users") who acquire health, fitness and wellness products. from those who create them, and in adding new members who neither produce nor use health, fitness or wellness products, and others (called members with a "general interest").

ESTA (Entertainment Services and Technology Association)

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

BSR/ES1.40-202x, Event Safety - Security (new standard)

Interest Categories: Note: "PINS published in SA 11/18/2016 as ESG1.X - Event Safety Guide". Please publish in the 12 May edition of Standards Action, with the following solicitation for new members: "The Event Safety Working Group seeks new voting members in the following interest categories: Equipment providers; Event workers; Insurance companies; and Performing artists. Send inquiries to standards@esta.org."

ESTA (Entertainment Services and Technology Association)

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

BSR/E1.76-202x, Tension Wire Grids (new standard)

Interest Categories: Please publish in the 12 May edition of Standards Action, with the following solicitation for new members: "The Floors Working Group seeks new voting members in the following interest categories: Dealer or Rental companies; Designer; and Custom-market Producer. Send inquiries to standards@esta.org."

ESTA (Entertainment Services and Technology Association)

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

BSR E1.46-2018 (R202x), Standard for the Prevention of Falls from Theatrical Stages and Raised Performance Platforms (reaffirmation of ANSI E1.46-2018)

IES (Illuminating Engineering Society)

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

BSR/IES LM-85-23-202x, Approved Method: Optical and Electrical Measurements of LED Sources (revision of ANSI/IES LM-85-2020)

IES (Illuminating Engineering Society)

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

BSR/IES TM- (SO417)-202x, Technical Memorandum: Parametric Variations in LED Packages, Arrays and Modules affecting Luminous Flux and Color Maintenance (new standard)

ISEA (International Safety Equipment Association)

1101 Wilson Blvd, Suite 1425, Arlington, VA 22209 | hwoehrle@safetysafetyequipment.org, www.safetysafetyequipment.org

BSR/ISEA 121-202x, Dropped Object Prevention Solutions (revision of ANSI/ISEA 121-2018)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

NSF (NSF International)

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

BSR/NSF/CAN 50-202x (i197r2), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2021)

PLASTICS (Plastics Industry Association)

1425 K Street, NW, Suite 500, Washington, DC 20005 | jlinder@plasticsindustry.org, www.plasticsindustry.org

BSR/PLASTICS B151.32-202x, Safety Requirements for Flat Cast Film and Cast Embossed Film Extrusion Machines (new standard)

RESOLVE (Resolve, Inc.)

2445 M Street, NW, Suite 550, Washington, DC 20037 | mhines@resolve.ngo, www.resolve.ngo

BSR/RES-001, Reusable packaging system design specifications and recommendations: Containers (new standard)

TIA (Telecommunications Industry Association)

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

BSR/TIA 455-3-C-202x, FOTP-3 Procedure to Measure Temperature Cycling Effects on Optical Fiber Units, Optical Cable, and Other Passive Fiber Components (national adoption of IEC 60794122 with modifications and revision of ANSI/TIA 455-3B-2009 (R2014))

ULSE (UL Standards & Engagement)

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

BSR/UL 260-202X, Standard for Dry Pipe and Deluge Valves for Fire-Protection Service (revision of ANSI/UL 260-2018)

ULSE (UL Standards & Engagement)

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

BSR/UL 763-202x, Standard for Motor-Operated Commercial Food Preparing Machines (revision of ANSI/UL 763-2022)

American National Standards (ANS) Process

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

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

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

- ANSI Essential Requirements: Due process requirements for American National Standards (always current edition):
www.ansi.org/essentialrequirements
- ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures):
www.ansi.org/standardsaction
- Accreditation information – for potential developers of American National Standards (ANS):
www.ansi.org/sdoaccreditation
- ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form):
www.ansi.org/asd
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS:
www.ansi.org/asd
- American National Standards Key Steps:
www.ansi.org/anskeysteps
- American National Standards Value:
www.ansi.org/ansvalue
- ANS Web Forms for ANSI-Accredited Standards Developers:
<https://www.ansi.org/portal/psawebforms/>
- Information about standards Incorporated by Reference (IBR):
<https://ibr.ansi.org/>
- ANSI - Education and Training:
www.standardstolearn.org

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

ARESCA - American Renewable Energy Standards and Certification Association

Effective April 25, 2023

The reaccreditation of **ARESCA - American Renewable Energy Standards and Certification Association** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ARESKA-sponsored American National Standards, effective **April 25, 2023**. For additional information, please contact: Bob Sherwin, American Renewable Energy Standards and Certification Association (ARESCA) | 256 Farrell Farm Road, Norwich, VT 05055 | (802) 291-4934, vtwindpower@gmail.com

Approval of Reaccreditation – ASD

ASME - American Society of Mechanical Engineers

Effective February 7, 2023

The reaccreditation of **ASME - American Society of Mechanical Engineers** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ASME-sponsored American National Standards, effective **February 7, 2023**. For additional information, please contact: Christian Sanna, American Society of Mechanical Engineers (ASME) | 2 Park Avenue, New York, NY 10016-5990 | (212) 591-8513, sannac@asme.org

Approval of Reaccreditation – ASD

CRRC - Cool Roof Rating Council

Effective April 28, 2023

The reaccreditation of **CRRC - Cool Roof Rating Council** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on CRRC-sponsored American National Standards, effective **April 28, 2023**. For additional information, please contact: Sarah Schneider, Cool Roof Rating Council (CRRC) | 2435 N. Lombard Street, Portland, OR 97217 | (503) 606-8448, sarah@coolroofs.org

Approval of Reaccreditation – ASD

Home Innovation - Home Innovation Research Labs

Effective April 25, 2023

The reaccreditation of **Home Innovation - Home Innovation Research Labs** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on Home Innovation-sponsored American National Standards, effective **April 25, 2023**. For additional information, please contact: John Peavey, Home Innovation | 400 Prince George's Boulevard, Upper Marlboro, MD 20774 | (301) 430-6238, jpeavey@homeinnovation.com

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

CSA - CSA America Standards Inc.

Meeting Time: June 22, 2023 at 11:30 am EDT

CSA Group Hydrogen Transportation Technical Committee will meet virtually on June 22, 2023 at 11:30 am EDT via Teleconference/WebEx. For those interested in participating or for additional information, contact Iris Monner at iris.monner@csagroup.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
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Colorado Springs, CO 80904
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ARESCA

American Renewable Energy Standards
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ASA (ASC S12)

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ASA (ASC S2)

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ASA (ASC S3)

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1305 Walt Whitman Road, Suite 300
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ASHRAE

American Society of Heating, Refrigerating
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ASME

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ASME

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ASNT

American Society for Nondestructive
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Michelle Thomas
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ASSP (Safety)

American Society of Safety Professionals
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Lauren Bauerschmidt
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ASTM

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ATCC

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10801 University Boulevard
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AWWA

American Water Works Association
6666 W. Quincy Avenue
Denver, CO 80235
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CSA

CSA America Standards Inc.
8501 East Pleasant Valley Road
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CTA

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1919 South Eads Street
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ESTA

Entertainment Services and Technology
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ISO & IEC Draft International Standards



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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

Air quality (TC 146)

ISO/DIS 12219-11, Interior air of road vehicles - Part 11: Thermal desorption analysis of organic emissions for the characterization on non-metallic materials for vehicles - 7/24/2023, \$98.00

Aircraft and space vehicles (TC 20)

ISO/DIS 6397, Aerospace - Test bolts, hexagonal head, MJ threads, metallic material, coated or uncoated - Product Standard - 7/23/2023, \$40.00

ISO/DIS 1151-11, Flight dynamics - Vocabulary - Part 11: Control system: classification, terminology, notions and definitions - 7/21/2023, \$58.00

Cleaning equipment for air and other gases (TC 142)

ISO/DIS 16890-3, Air filters for general ventilation - Part 3: Determination of the gravimetric efficiency and the air flow resistance versus the mass of test dust captured - 7/22/2023, \$77.00

Implants for surgery (TC 150)

ISO/DIS 25539-3, Cardiovascular implants - Endovascular devices - Part 3: Vena cava filters - 7/23/2023, \$165.00

Internal combustion engines (TC 70)

ISO/DIS 4548-15, Methods of test for full-flow lubricating oil filters for internal combustion engines - Part 15: Vibration fatigue test for composite filter housings - 7/23/2023, \$40.00

Other

ISO/DIS 20701, Leather - Tests for colour fastness - Colour fastness to saliva - 7/24/2023, \$40.00

Plain bearings (TC 123)

ISO 3548-1:2022/DAMd 1, - Amendment 1: Plain bearings - Thin-walled half bearings with or without flange - Part 1: Tolerances, design features and methods of test - Amendment 1 - 7/27/2023, \$33.00

Project committee: Sustainability in event management (TC 250)

ISO/DIS 20121, Event sustainability management systems - Requirements with guidance for use - 7/21/2023, \$119.00

Road vehicles (TC 22)

ISO/DIS 11898-1, Road vehicles - Controller area network (CAN) - Part 1: Data link layer and physical coding sublayer - 7/27/2023, \$155.00

Sieves, sieving and other sizing methods (TC 24)

ISO/DIS 13318-1, Determination of particle size distribution by centrifugal liquid sedimentation methods - Part 1: General principles and guidelines - 7/23/2023, \$146.00

Soil quality (TC 190)

ISO/DIS 18187, Soil quality - Contact test for solid samples using the dehydrogenase activity of *Arthrobacter globiformis* - 7/23/2023, \$93.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO/DIS 11471, Agricultural tractors and machinery - Coding of remote hydraulic power services and controls - 7/27/2023, \$29.00

Transport information and control systems (TC 204)

ISO 17419:2018/DAMd 1, - Amendment 1: Intelligent transport systems - Cooperative systems - Globally unique identification - Amendment 1: Regions of a closed polygon in a plane - 7/21/2023, \$33.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 18004, Information technology - Automatic identification and data capture techniques - QR Code bar code symbology specification - 7/21/2023, \$165.00

ISO/IEC DIS 22460-2, Cards and security devices for personal identification - ISO UAS license and drone/UAS security module - Part 2: Drone/UAS security module - 7/24/2023, \$82.00

IEC Standards

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

100/3903(F)/FDIS, IEC 60728-101-2 ED1: Cable networks for television signals, sound signals and interactive services - Part 101-2: Performance requirements for signals delivered at the system outlet in operation with all-digital channels load, 05/19/2023

Capacitors and resistors for electronic equipment (TC 40)

40/3039/CDV, IEC 60115-4-10 ED1: Fixed resistors for use in electronic equipment - Part 4-10: Blank detail specification: Power resistors with axial leads for through-hole assembly on circuit boards (THT), for general electronic equipment - Classification level G, 07/28/2023

Electrical accessories (TC 23)

23J/470/CD, IEC 61058-1/AMD1 ED4: Amendment 1 - Switches for appliances - Part 1: General requirements, 07/28/2023

23E/1320/FDIS, IEC 61540 ED2: Portable residual current devices (PRCDs) without integral overcurrent protection for household and similar use, 06/16/2023

Electrical apparatus for explosive atmospheres (TC 31)

31J/335(F)/CDV, IEC 60079-14 ED6: Electrical installation design, selection and installation of equipment, including initial inspection, 07/14/2023

Electrical equipment in medical practice (TC 62)

62C/871/CD, IEC 61675-2 ED3: Radionuclide imaging devices - Characteristics and test conditions - Part 2: Gamma cameras for planar, wholebody, and SPECT imaging, 07/28/2023

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

48B/3042/FDIS, IEC 61076-8-105 ED1: Connectors for electrical and electronic equipment - Product requirements - Part 8-105: Power connectors - Detail specification for 2-pole snap locking rectangular power connectors with plastic housing for 63 A rated current and 400 V rated voltage, 06/16/2023

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

104/984(F)/FDIS, IEC 60068-2-17 ED5: Environmental testing - Part 2-17: Tests - Test Q: Sealing, 05/19/2023

Evaluation and Qualification of Electrical Insulating Materials and Systems (TC 112)

112/605/CDV, IEC 61857-33 ED1: Electrical insulation systems - Procedures for thermal evaluation - Part 33: Multifactor evaluation with increased ageing factors at elevated temperature, 07/28/2023

Fluids for electrotechnical applications (TC 10)

10/1197/CDV, IEC 63360 ED1: Fluids for electrotechnical application: Mixtures of gases alternative to SF6, 07/28/2023

Hydraulic turbines (TC 4)

4/460/CDV, IEC 63461 ED1: Pelton hydraulic turbines - Model acceptance tests, 07/28/2023

Industrial-process measurement and control (TC 65)

65B/1229/CDV, IEC 61131-3 ED4: Programmable controllers - Part 3: Programming languages, 07/28/2023

65C/1252/CDV, IEC 61784-3/AMD1 ED4: Amendment 1 - Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions, 07/28/2023

Insulators (TC 36)

36A/230/CD, IEC/IEEE 65700-19-03 ED2: Bushings for DC application, 07/28/2023

Lamps and related equipment (TC 34)

34/1031/CDV, IEC 63403-1 ED1: LED packages for horticultural lighting - Part 1: Specification sheet, 07/28/2023

34/1032/CDV, IEC 63403-2 ED1: LED packages for horticultural lighting - Part 2: Binning, 07/28/2023

Lightning protection (TC 81)

81/727(F)/FDIS, IEC 62561-3 ED3: Lightning protection system components (LPSC) - Part 3: Requirements for isolating spark gaps (ISGs), 05/19/2023

Semiconductor devices (TC 47)

47E/808/NP, PNW 47E-808 ED1: Semiconductor devices -Part 5 -17: Optoelectronic devices - Light emitting diodes - Measuring methods of micro scale light emitting diodes array, 07/28/2023

Solar photovoltaic energy systems (TC 82)

82/2154/NP, PNW 82-2154 ED1: Solar Trackers - Requirements for the Protection of Personnel, 06/30/2023

Switchgear and controlgear (TC 17)

17A/1380/DTS, IEC TS 62271-316 ED1: High-voltage switchgear and controlgear - Part 316: Direct current by-pass switches and paralleling switches, 07/28/2023

Ultrasonics (TC 87)

87/830/CDV, IEC 63412-1 ED1: Ultrasonics - Shear-wave elastography - Part 1: Specifications for the user interface, 07/28/2023

ISO/IEC JTC 1, Information Technology

(JTC1)

JTC1-SC25/3157/CD, ISO/IEC 11801-6/AMD1 ED1: Amendment 1 - Information technology - Generic cabling for customer premises - Part 6: Distributed building services, 07/28/2023

JTC1-SC25/3153/CD, ISO/IEC 30129/AMD2 ED1: Amendment 2 - Information technology - Telecommunications bonding networks for buildings and other structures, 07/28/2023

JTC1-SC25/3156/CD, ISO/IEC TR 11801-9906 ED2: Information technology - Generic cabling for customer premises - Part 9906: Balanced 1-pair cabling channels up to 600 MHz for single pair Ethernet (SPE), 07/28/2023



Newly Published ISO & IEC Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization – and IEC – the International Electrotechnical Commission. Most are available at the ANSI Electronic Standards Store (ESS) at www.ansi.org. All paper copies are available from Standards resellers (<http://webstore.ansi.org/faq.aspx#resellers>).

ISO Standards

Aircraft and space vehicles (TC 20)

[ISO 4358:2023](#), Test methods for civil multi-copter unmanned aircraft system, \$157.00

[ISO 17401:2023](#), Space systems - Spacecraft interface requirements document for launch vehicle services, \$157.00

[ISO 24113:2023](#), Space systems - Space debris mitigation requirements, \$77.00

[ISO 24352:2023](#), Technical requirements for small unmanned aircraft electric energy systems, \$157.00

Ceramic tile (TC 189)

[ISO 17889-2:2023](#), Ceramic tiling systems - Sustainability for ceramic tiles and installation materials - Part 2: Specification for tile installation materials, \$183.00

Dentistry (TC 106)

[ISO 5139:2023](#), Dentistry - Polymer-based composite machinable blanks, \$116.00

[ISO 7551:2023](#), Dentistry - Endodontic absorbent points, \$77.00

Dimensional and Geometrical Product Specifications and Verification (TC 213)

[ISO 8062-4:2023](#), Geometrical product specifications (GPS) - Dimensional and geometrical tolerances for moulded parts - Part 4: Rules and general tolerances for castings using profile tolerancing in a general datum system, \$210.00

Essential oils (TC 54)

[ISO 210:2023](#), Essential oils - General requirements and guidelines for packaging, conditioning and storage, \$77.00

[ISO 211:2023](#), Essential oils - General requirements for labelling and marking of containers, \$51.00

Furniture (TC 136)

[ISO 9098-1:2023](#), Bunk beds and high beds - Safety requirements and tests - Part 1: Safety requirements, \$116.00

Natural gas (TC 193)

[ISO 2613-1:2023](#), Analysis of natural gas - Silicon content of biomethane - Part 1: Determination of total silicon by atomic emission spectroscopy (AES), \$116.00

Paper, board and pulps (TC 6)

[ISO 12625-12:2023](#), Tissue paper and tissue products - Part 12: Determination of tensile strength of perforated lines and calculation of perforation efficiency, \$116.00

Plastics (TC 61)

[ISO 7972:2023](#), Adhesives - Absorption of water into an adhesive layer using an open-faced specimen and determination of shear strength by secondary bonding, \$77.00

Road vehicles (TC 22)

[ISO 27145-6:2023](#), Road vehicles - Implementation of World-Wide Harmonized On-Board Diagnostics (WWH-OBD) communication requirements - Part 6: External test equipment, \$183.00

Rubber and rubber products (TC 45)

[ISO 2322:2023](#), Styrene-butadiene rubber (SBR) - Emulsion- and solution-polymerized types - Evaluation procedures, \$116.00

[ISO 3136:2023](#), Rubber latex - Styrene-butadiene - Determination of bound styrene content, \$51.00

[ISO 19043:2023](#), Natural rubber latex concentrate - Determination of total phosphate content by spectrophotometric method, \$77.00

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

[ISO 24540:2023](#), Principles for effective and efficient corporate governance of water utilities, \$183.00

Ships and marine technology (TC 8)

[ISO 5528:2023](#), Ships and marine technology - Deep-sea hydraulic winch equipment, \$77.00

Textiles (TC 38)

[ISO 4484-3:2023](#), Textiles and textile products - Microplastics from textile sources - Part 3: Measurement of collected material mass released from textile end products by domestic washing method, \$183.00

Welding and allied processes (TC 44)

[ISO 25980:2023](#), Health and safety in welding and allied processes - Transparent welding curtains, strips and screens for arc welding processes, \$116.00

ISO Technical Specifications

Dentistry (TC 106)

[ISO/TS 4640:2023](#), Dentistry - Test methods for tensile bond strength to tooth structure, \$116.00

Health Informatics (TC 215)

[ISO/TS 4425:2023](#), Genomics informatics - Data elements and their metadata for describing the microsatellite instability (MSI) information of clinical massive parallel DNA sequencing, \$157.00

Nanotechnologies (TC 229)

[ISO/TS 23366:2023](#), Nanotechnologies - Performance evaluation requirements for quantifying biomolecules using fluorescent nanoparticles in immunohistochemistry, \$116.00

Photography (TC 42)

[ISO/TS 21139-22:2023](#), Permanence and durability of commercial prints - Part 22: Backlit display in indoor or shaded outdoor conditions - Light stability, \$183.00

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 30133:2023](#), Information technology - Data centres - Practices for resource-efficient data centres, \$116.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 8652:2023](#), Information technology - Programming languages - Ada, \$263.00

[ISO/IEC 29134:2023](#), Information technology - Security techniques - Guidelines for privacy impact assessment, \$210.00

Other

[ISO/IEC 17043:2023](#), Conformity assessment - General requirements for the competence of proficiency testing providers, \$210.00

IEC Standards

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

[IEC 61156-11 Ed. 2.0 en:2023](#), Multicore and symmetrical pair/quad cables for digital communications - Part 11: Symmetrical single pair cables with transmission characteristics up to 1,25 GHz - Horizontal floor wiring - Sectional specification, \$234.00

[S+ IEC 61156-11 Ed. 2.0 en:2023 \(Redline version\)](#), Multicore and symmetrical pair/quad cables for digital communications - Part 11: Symmetrical single pair cables with transmission characteristics up to 1,25 GHz - Horizontal floor wiring - Sectional specification, \$305.00

Electric road vehicles and electric industrial trucks (TC 69)

[IEC 61980-2 Ed. 1.0 b:2023](#), Electric vehicle wireless power transfer (WPT) systems - Part 2: Specific requirements for MF-WPT system communication and activities, \$455.00

Electrical accessories (TC 23)

[IEC/PAS 63472 Ed. 1.0 en:2023](#), Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Dimensional compatibility description for configuration FF AC/DC contact-tube vehicle coupler, \$95.00

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

[IEC 61076-8-103 Ed. 1.0 b:2023](#), Connectors for electrical and electronic equipment - Product requirements - Part 8-103: Power connectors - Detail specification for 2P+PE circular connectors with 20 A rated current and push-pull locking IP65/IP67 with metal housing, \$278.00

[IEC 61076-8-104 Ed. 1.0 b:2023](#), Connectors for electrical and electronic equipment - Product requirements - Part 8-104: Power connectors - Detail specification for 2-pole circular connectors with 40 A rated current and push-pull locking IP65/IP67 with metal housing, \$278.00

[IEC 61076-8-108 Ed. 1.0 b:2023](#), Connectors for electrical and electronic equipment - Product requirements - Part 8-108: Power connectors - Detail specification for 2P 250 A, 1 000 V plus 2P 5 A 50 V rectangular housing shielded connectors with IP65/IP68 degree of protection when mated and locked, and IPXXB when unmated, \$278.00

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

[IEC 62321-3-4 Ed. 1.0 b:2023](#), Determination of certain substances in electrotechnical products - Part 3-4: Screening - Phthalates in polymers of electrotechnical products by high performance liquid chromatography with ultraviolet detector (HPLC-UV), thin layer chromatography (TLC) and thermal desorption mass spectrometry (TD-MS), \$367.00

Industrial-process measurement and control (TC 65)

[IEC 61784-2-11 Ed. 1.0 b:2023](#), Industrial networks - Profiles - Part 2-11: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 11, \$329.00

[IEC 61784-2-12 Ed. 1.0 b:2023](#), Industrial networks - Profiles - Part 2-12: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 12, \$234.00

[IEC 61784-2-13 Ed. 1.0 b:2023](#), Industrial networks - Profiles - Part 2-13: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 13, \$95.00

[IEC 61784-2-14 Ed. 1.0 b:2023](#), Industrial networks - Profiles - Part 2-14: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 14, \$278.00

[IEC 61784-2-15 Ed. 1.0 b:2023](#), Industrial networks - Profiles - Part 2-15: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 15, \$190.00

[IEC 61784-2-16 Ed. 1.0 b:2023](#), Industrial networks - Profiles - Part 2-16: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 16, \$145.00

[IEC 61784-2-17 Ed. 1.0 b:2023](#), Industrial networks - Profiles - Part 2-17: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 17, \$145.00

[IEC 61784-2-18 Ed. 1.0 b:2023](#), Industrial networks - Profiles - Part 2-18: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 18, \$190.00

[IEC 61784-2-20 Ed. 1.0 b:2023](#), Industrial networks - Profiles - Part 2-20: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 20, \$190.00

[IEC 61784-2-21 Ed. 1.0 b:2023](#), Industrial networks - Profiles - Part 2-21: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 21, \$190.00

Printed Electronics (TC 119)

[S+ IEC 62899-202 Ed. 2.0 en:2023 \(Redline version\)](#), Printed electronics - Part 202: Materials - Conductive ink, \$362.00

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

[IEC 62841-4-7 Ed. 1.0 b Cor.1:2023](#), Corrigendum 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-7: Particular requirements for pedestrian controlled walk-behind lawn scarifiers and aerators, \$0.00

Semiconductor devices (TC 47)

[IEC 61967-8 Ed. 2.0 b:2023](#), Integrated circuits - Measurement of electromagnetic emissions - Part 8: Measurement of radiated emissions - IC stripline method, \$145.00

[S+ IEC 61967-8 Ed. 2.0 en:2023 \(Redline version\)](#), Integrated circuits - Measurement of electromagnetic emissions - Part 8: Measurement of radiated emissions - IC stripline method, \$190.00

Solar photovoltaic energy systems (TC 82)

[IEC 63027 Ed. 1.0 b:2023](#), Photovoltaic power systems - DC arc detection and interruption, \$417.00

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

[IEC 61439-5 Ed. 3.0 b:2023](#), Low-voltage switchgear and controlgear assemblies - Part 5: Assemblies for power distribution in public networks, \$278.00

[S+ IEC 61439-5 Ed. 3.0 en:2023 \(Redline version\)](#), Low-voltage switchgear and controlgear assemblies - Part 5: Assemblies for power distribution in public networks, \$362.00

IEC Technical Reports

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

[IEC/TR 63449 Ed. 1.0 en:2023](#), Dynamic metadata high dynamic range impacts on TV power consumption, \$278.00

IEC Technical Specifications

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

[IEC/TS 62607-6-17 Ed. 1.0 en:2023](#), Nanomanufacturing - Key control characteristics - Part 6-17: Graphene-based material - Order parameter: X-ray diffraction and transmission electron microscopy, \$190.00

System engineering and erection of electrical power installations in systems with nominal voltages above 1 kV A.C., particularly considering safety aspects (TC 99)

[IEC/TS 61936-0 Ed. 1.0 en:2023](#), Power installations exceeding 1 kV AC and 1,5 kV DC - Part 0: Principles to be observed in the design and erection of high voltage installations - Safety of high voltage installations, \$234.00

International Organization for Standardization (ISO)

Call for Comment on ISO Standard

Integrated Pest Management for Crops

Comment Deadline: May 26, 2023

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on Integrated Pest Management for Crops, with the following scope statement:

Standardization of integrated pest management in crop production process, including management services, effectiveness assessments, testing and analysis and other related standards which involved in the process of monitoring and forecasting, prevention and control and emergency measures.

Excluded:

- Tractors and machinery for agriculture and forestry (covered by ISO/TC 23)
- Common names for pesticides and other agrochemicals (covered by ISO/TC 81)
- Personal safety -- Personal protective equipment (covered by ISO/TC94)

Note: Crops refer to all kinds of plants cultivated in agriculture, including food crops, cash crops, industrial raw material crops, feed crops, etc.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, May 26, 2023.

Establishment of ISO Technical Committee

ISO/TC 17/SC 21 – Environment related to climate change in the iron and steel industry

.ISO/TC 17 – *Steel* has created a new ISO Subcommittee on *Environment related to climate change in the iron and steel industry* (ISO/TC 17/SC 21). The Secretariat has been assigned to Japan (JISC).

ISO/TC 17/SC 21 operates under the following scope:

Development of standards in the field of Environment related to climate change in the iron and steel industry within the scope of ISO/TC 17:

Standardization in the field of cast, wrought and cold-formed steel, including technical delivery conditions for steel tubes for pressure purposes.

Excluded: steel tubes within the scope of ISO/TC 5; line pipe, casing, tubing and drill pipe within the scope of ISO/TC 67; methods of mechanical testing of metals within the scope of ISO/TC 164.

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

International Organization for Standardization (ISO)

Re-establishment of ISO Technical Committee

ISO/TC 101 – Continuous mechanical handling equipment

The ISO Technical Management Board (TMB) has recently approved the re-establishment of ISO/TC 101 – *Continuous mechanical handling equipment*. The Secretariat has been assigned to Germany (DIN).

ISO/TC 101 operates under the following scope:

Standardization in the field of continuous mechanical handling equipment for loose bulk materials or unit loads, comprising terminology, general design and construction, leading dimensions, safety requirements and testing and inspection methods.

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).

Meeting Notices (International)

ANSI Accredited U.S TAG to ISO

JTC 1/SC 36, Information technology for learning, education and training

Establishment of a New Technical Committee INCITS/Education - Zoom on Tuesday, May 23, 2023 Meeting Notice and Call for Members

At the March 2023 INCITS Executive Board meeting, a new Technical Committee (TC), INCITS/Education, was established. The TC will serve as the **U.S. TAG to ISO/IEC JTC 1 Subcommittee 36 - Information Technology for Learning, Education and Training**.

The scope of work is standardization in the field of information technologies for learning, education, and training to support individuals, groups, or organizations, and to enable interoperability and reusability of resources and tool.

Excluded from this scope are:

- standards or technical reports that define educational standards (competencies), cultural conventions, learning objectives, or specific learning content.
- work done by other ISO or IEC TCs, SCs, or WGs with respect to their component, specialty, or domain. Instead, when appropriate, normative or informative references to other standards shall be included. Examples include documents on special topics such as multimedia, web content, cultural adaptation, and security.

RSVPs for the meeting should be submitted to Bill Ash (bash@itic.org) as soon as possible.

Organizational Meeting – Tuesday, May 23, 2023. The organizational meeting of the new TC on INCITS/Education will be held electronically via **Zoom on Tuesday, May 23, 2023** (1:00 PM to 4:00 PM (Eastern) / 10:00 AM to 1:00 PM (Pacific)).

Membership – Membership in INCITS is open to all directly and materially interested parties who return a signed INCITS Membership Agreement and pay the applicable service fees. For more information, click [here](#).

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/ASHE Addendum a
to ANSI/ASHRAE/ASHE Standard 189.3-2021**

Public Review Draft

**Proposed Addendum a to
Standard 189.3-2021, Design,
Construction, and Operation of
Sustainable High-Performance
Health Care Facilities**

**Second Public Review (May 2023)
(Draft Shows 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 <https://www.ashrae.org/technical-resources/standards-and-guidelines/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).

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

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FOREWORD

This addendum addresses the issue presented by patients or residents being in beds, chairs, or required fixed positions that would make it difficult to look up or out to gain the view fenestration. Additionally, it adjusts the line of sight distance for the additional area generally utilized in assisted living facilities. However, proximity of staff to the patient and the typical arrangement of the nurse station to the patients is in conflict, as that would be considered an office. This provides the flexibility to the design professional to arrange for the best patient care. Providing staff views to the exterior is strongly encouraged whenever possible.

This second publication public review draft replaces the previous (first) publication public review draft in its entirety, and incorporates modifications published in Addendum o to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings. Two significant changes in Addendum o to Standard 189.1-2020 were revision of numbering Section 8.3.9 to Section 8.3.8 and revised to a mandatory requirement.

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

Addendum a to Standard 189.3-2021

Add new Section 8.3.9 as shown. The remainder of Section 8 is unchanged.

8. INDOOR ENVIRONMENTAL QUALITY

[...]

8.3.8 Exterior Views. Provide qualifying view fenestration for the space types listed in Section 8.3.8.1 and 8.3.8.2. Qualifying view fenestration shall meet the following criteria:

- a. Glazing shall have a haze value less than 3%, as determined in accordance with ASTM D1003.
- b. Center-of-glass visible transmittance (VT) shall be not less than 20%.
- c. The product of the center-of-glass VT and the openness factor of screens, patterned films, and ceramic frits shall be not less than 20%.
- d. Where dynamic glazing is provided, glazing shall have a center-of-glass VT of not less than 20% at the highest setting of its VT range.
- e. Where stationary opaque window treatments are provided, such as non-operable blinds, shades, and louvers, such treatments shall not obstruct more than 40% of the fenestration glazing area.

8.3.8.1 Patient and Resident Rooms. Not less than 50% of the net floor area of each patient room and resident room within hospitals and residential health, care, and support facilities shall have a direct line-of-sight to view fenestration meeting the criteria of Section 8.3.8, originating at a height of not more than 36 inches (0.9 m) above the finished floor. The line-of-sight distance to view fenestration shall not exceed 20 ft (6.1 m) and the view fenestration shall not be less than 5% of the floor area.

8.3.8.2 Other Space Types. Not less than 50% of the total combined floor area of each of the space types listed in Table 8.3.8 shall have a direct line-of-sight to view fenestration meeting the criteria of Section 8.3.8, originating at a height of not more than 42 in. (1.1 m) above the floor. The line-of-sight distance to view

BSR/ASHRAE/ASHE Addendum a to ANSI/ASHRAE/ASHE Standard 189.3-2021, *Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities*

Second Public Review Draft

fenestration shall not exceed 40 ft (12.2 m). The glazing area shall not be less than 8% of the floor area required to have exterior views.

Exceptions to 8.3.8.2:

1. Space types listed in Table 8.3.8 that are not located along the perimeter of the building.
2. Space types listed in Table 8.3.8 for which the view fenestration would interfere with patient care delivery and privacy.

Table 8.3.8 Exterior View Space Types

<u>Classrooms</u>
<u>Enclosed Offices and Open-Plan Offices</u>
<u>Conference, meeting, and multipurpose rooms</u>
<u>Lounge or breakrooms</u>



BSR/ASHRAE Standard 195-2013R

Public Review Draft

Method of Test for Rating Air Terminal Unit Controls

**Second Public Review (May 2023)
(Draft Shows Proposed Independent Substantive
Changes to Previous Public Review Draft)**

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).

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FOREWORD

Standard 195 specifies instrumentation and facilities, test installation methods, and procedures for determining the accuracy and stability of airflow control systems for terminal units at various airflow setpoints.

It is intended for application in the following scenarios:

- *An HVAC system specifier indicates performance requirements for airflow control for a given project. The requirements are specified in terms of nominal flow rates, accuracy, stability, operating pressures, and other relevant conditions. Contractors or suppliers document performance of proposed equipment based on tests run and reported in accordance with this standard.*
- *A supplier of airflow controls wishing to publish the capabilities of a product executes tests and reports results in accordance with this standard. The supplier chooses the operating conditions to test and report.*

The Standard Project Committee does not envision application of this standard to field tests or acceptance tests in construction projects.

This is a review of Independent Substantive Changes that were made since the last Public Review. Text that was removed from the Public Review Draft is provided for reference but is shown in strikeout, and text that has been added is shown with underlines.

5 TEST SETUP

Figure 1 illustrates the required test setup. The following sections describe the components and their relationship.

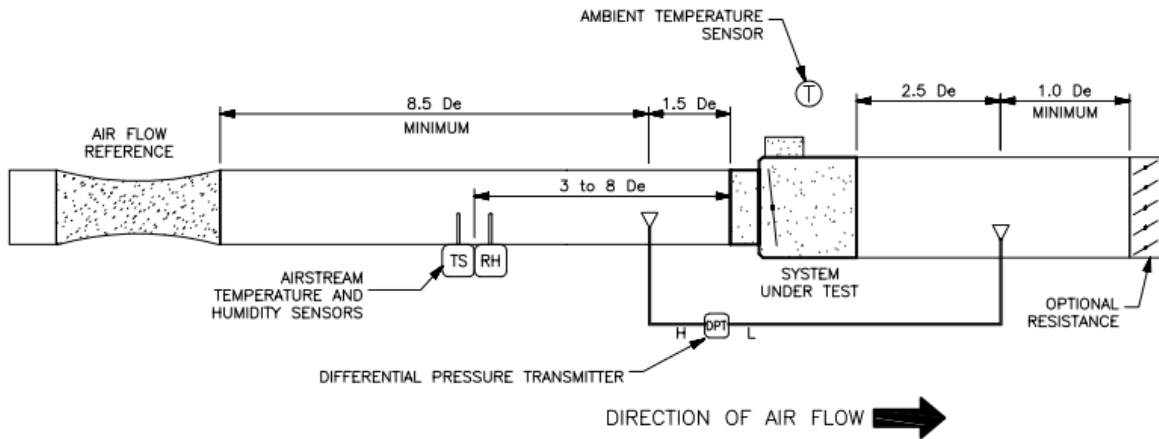


Figure 1 Required Test Setup (insert)

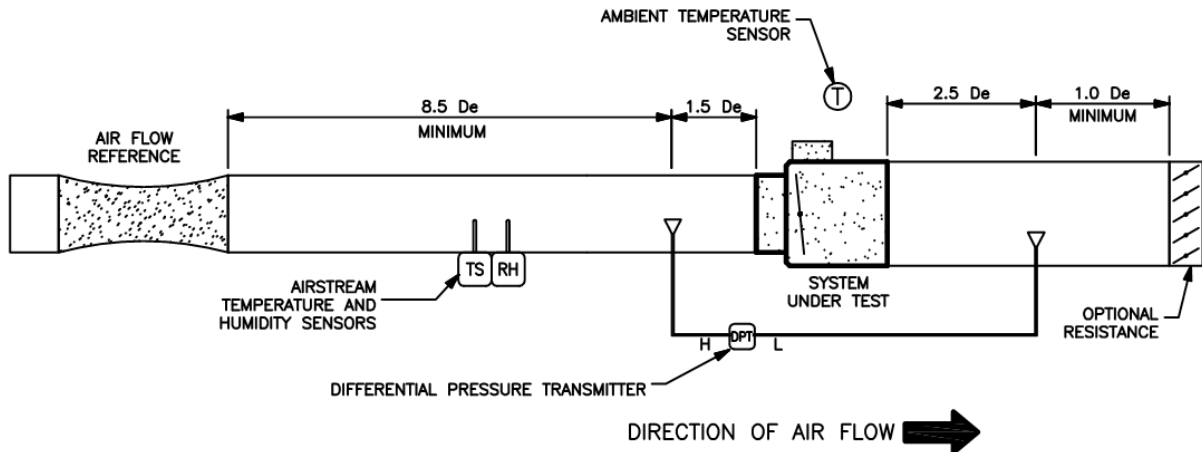


Figure 1 Required Test Setup (delete).

5.1 Inlet to Terminal

The nominal test condition is a straight, hard inlet to the terminal. Minimum of 10 duct diameters. The inlet duct dimensions shall be the same size as terminal inlet, i.e., no transitions. ~~The test specifier may designate other required inlet conditions.~~

5.5 Airstream Temperature and Humidity Sensors

The airstream temperature sensor and humidity sensor shall be located in the airstream of the air terminal. They shall be located between 3 and 40-~~8~~ diameters upstream of the air terminal.

5.8 Controller

The controller shall be mounted and connected per the manufacturer's instructions. All control and measurement tubing and connections shall be tested for leakage. Maintain integrity of tubing throughout the test.

6 TEST METHODS**6.2 System Performance Test Methods****6.2.1 Steady State Accuracy Test Method****6.2.1.1 Test Steps**2. Subtest 1 – Q_{max}:

- a. With the static pressure difference across the terminal at setpoint (ΔSP), set the controller to Q_{max}.
- b. Maintain the static pressure across the ~~flow control device~~ terminal within 15% of setpoint during the test.

APPENDIX B – EXEMPLARY TEST FACILITY AND GUIDANCE FOR MEASURING AIR AT LOW FLOW RATES**B.4 General Guidelines for Measuring Airflow**

3. Make the test configuration a straight path, without elbows or changes in size, shape, or elevation, ~~if at all possible.~~

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[Note – the recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by **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

Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and other Recreational Water Facilities

Evaluation criteria for materials, components, products, equipment, and systems for use at recreational water facilities

-
-
-

2 Normative references

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

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-
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ASTM F3351-19e1, *Standard Test Method for Playground Surface Impact Testing in Laboratory at Specified Test Height*⁹

-
-
-

26 Interactive waterplay venue surfacing systems

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-
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26.9 Impact attenuation

Impact attenuation of the safety surfacing system shall be tested in accordance with one of the methods specified below. At minimum, manufacturers shall have their surfacing system achieve a drop height of 0.2 m.

Manufacturers have the option to have their surfacing system tested to a drop height greater than 0.2 m by using the ASTM 3351-2019 method.

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26.9.1 Method

The head injury criterion (HIC) value and GMAX value of the safety surfacing system shall be tested in accordance with DIN EN 1177-2018⁴³ ASTM 3351-2019. Samples only need to be tested at 72 degrees Fahrenheit +/- 2 degrees (23 degrees Celsius +/- 1 degree) and 120 degrees Fahrenheit +/- 2 degrees (49 degrees Celsius +/- 1 degree).

26.9.2 Test samples

Impact attenuation to ASTM F3351-2019 shall be performed on 6 virgin samples. 3 of those samples are then exposed to UV light in accordance with Section 26.4 of this standard, and 3 of those samples are then exposed to pool water in accordance with Section 26.5 of this standard. Then those exposed samples are tested again ASTM F3351-2019 at the minimum drop height of 0.2M and must meet the acceptance criteria in Section 26.9.3.

A modified test sample size is permitted to accommodate size limitations of samples conditioned per Sections 26.4 and 26.5 of this standard.

~~Four samples, measuring 6 ± 1 in, conditioned per Section 26.3 shall be assembled into a grid and subjected to the impact attenuation testing as specified in EN 1177, which shall include a drop test at the center of a tile, at a joint between two adjoining tiles, and at the junction where the greatest number of tiles meet.~~

Three samples, measuring 6 ± 1 in by 12 ± 1 in, conditioned per Section 26.4 shall be subjected to the impact attenuation testing as specified in ASTM F3351-2019 at the minimum drop height of 0.20 m, which shall include a drop test at the center of the samples and must meet the acceptance criteria in Section 26.9.3 of this standard.

~~Four samples, measuring 6 ± 1 in, conditioned per Section 26.4 shall be assembled into a grid and subjected to the impact attenuation testing as specified in EN 1177, which shall include a drop test at the center of a tile, at a joint between two adjoining tiles, and at the junction where the greatest number of tiles meet.~~

Three samples, measuring 6 ± 1 in by 12 ± 1 in, conditioned per Section 26.5 shall be subjected to the impact attenuation testing as specified in ASTM F3351-2019 at the minimum drop height of 0.20 m which shall include a drop test at the center of a sample, and must meet the acceptance criteria in Section 26.9.3 of this standard.

26.9.3 Acceptance criteria

The HIC value used to calculate the critical fall height shall be 750 700 or lower. The GMAX value used to calculate critical fall height shall be 125 or lower. The measured critical fall height rating shall be 0.20 m minimum.

Manufacturers may choose to test their surfacing to greater drop heights using the same HIC and GMAX values and the ASTM F3351-2019 test method above.

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Standard: UL 9990**Standard Title:** Standard for Information and Communication Technology (ICT) Power Cables**Date of Proposal:** May 5, 2023**Comments Due:** June 5, 2023

SUMMARY OF TOPICS

The following is being recirculated for your review:

1. Additional Changes to the Proposed First Edition of UL 9990

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 [2022-10-21](#) are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Additional Changes to the Proposed First Edition of UL 9990

RATIONALE

Proposal submitted by: Anthony Tassone, UL Solutions, and STP 9990, Information and Communication Technology (ICT) Cables

Responses to comments have been posted within the UL 9990 Proposal Review Work Area dated 2022-10-21 and in this work area, and can be accessed by going to Documents > Topic's Supporting Documents.

This proposal is being submitted on behalf of STP 9990. This proposed 1st edition is expanding the technical requirements of the Outline of Investigation for Information and Communication Technology (ICT) Power Cables. The advantages of publishing a consensus standard, to replace an OOI, include permitting citations by the standards of other SDOs, such as ISO or IEC, and formal incorporation of input from a balance of stakeholder interests.

This recirculation bulletin and work area indicate additional changes made since the close of the ballot period.

Please see draft under "Standard" in CSDS available for ballot proposal.

PROPOSAL

1 Scope

1.1 This ~~Standard Outline of Investigation~~ covers the power handling capabilities of Information and Communication Technology (ICT) cable assemblies when used for powering or charging Audio/Video,

Information, and Communication Technology Equipment applications. This does not include Power Over Ethernet cables that are permanently installed to power equipment installed on the network. The signal transmission performance of the cable assemblies is not within the scope of these requirements.

1.2 These requirements apply to ICT cable assemblies categorized below, Type designations used in this [Standard Outline](#) only serve as a guide to determine appropriate requirements, and do not represent an assigned rating.

2 Reference Publications

Any undated reference to a code or standard appearing in the requirements of this [Outline Standard](#) shall be interpreted as referring to the latest edition of that code or standard.

4 Definitions

4.1 For the purpose of this [Outline standard](#), the following definitions apply.

CONSTRUCTION

5 Cable Assemblies

5.3 The polymeric parts of the connector, shall be constructed of material with a minimum flame rating of [V-42](#) for Type I cable assemblies and V-1 for Type II cable assemblies at the minimum thickness used or the finished connector/material combination shall comply with the requirements for SC-1 in accordance with the Standard for Tests for Flammability of Small Polymeric Component Materials, UL 1694 for parts with a volume of 2500 mm³ or less, or with the 12 mm end- product flame test described in the Standard for Polymeric Materials – Use in Electrical Equipment Evaluations, UL 746C for parts with a volume greater than 2500 mm³. Only one as-received sample shall be tested. [Polymeric materials serving as decorative parts are permitted to be rated min HB.](#)

15.1 The following markings are optional for [a\) Type I cable assemblies or b\) Cable assemblies that employ a manufacturer specific \(proprietary\) application.](#) ~~and~~ [The following markings](#) shall be provided for Type II cable assemblies:

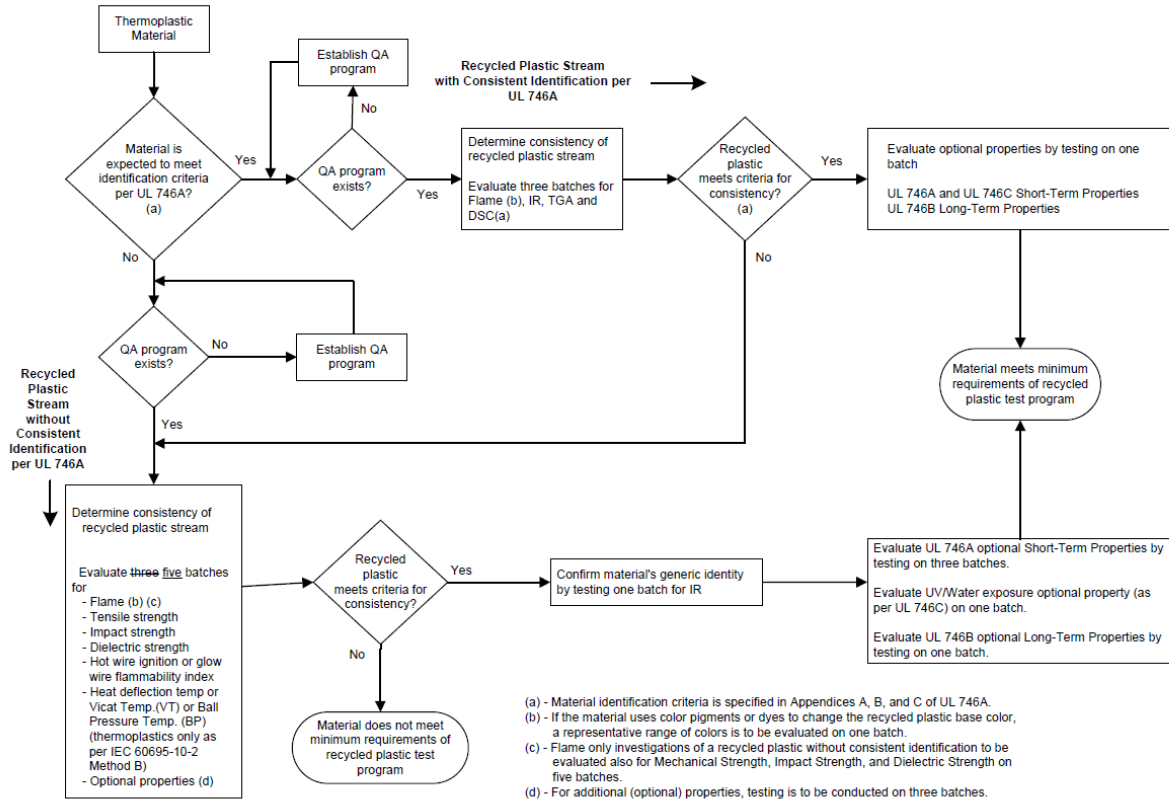
- a) The manufacturer's name, trade name, or trademark or other descriptive marking by which the organization responsible for the product may be identified;
- b) A distinctive catalog number or the equivalent; and
- c) The maximum voltage and wattage rating.

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BSR/UL 746D, Standard for Safety for Polymeric Materials - Fabricated Parts

1. Correction of Figure 10.1

PROPOSAL



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BSR/UL 763, Standard for Safety for Motor-Operated Commercial Food Preparing Machines

1. Proposed Revision to Provide Replacement Instructions in Marking and Instruction Manual to the Appliance Provided with a Detachable Cord Set

PROPOSAL

63.4.9 With reference to the Exception of 12.1.1.3, when an appliance is provided with a detachable cord set, the appliance shall be marked the substance of the following with a warning label "CAUTION – Risk of fire and electric shock. Use only manufacturer's power cord set.". The marking shall be located adjacent to the power supply cord receptacle on the appliance and be included in the manufacturer's literature packaged with the appliance as required in 65.7. When space limitation on the appliance prevents the use of a warning label, a cord tag is acceptable.

65.7 With reference to the Exception of 12.1.1.3, when an appliance is provided with a detachable power cord, the manufacturer's literature packaged with the appliance shall include the substance of the following warning "CAUTION – Risk of fire and electric shock. Use only with the original equipment manufacturer's power cord set." The manufacturer shall also provide the recommended power cord set for replacement purpose in the user instructions.

2. Clarification on the temperature limit of the capacitor

PROPOSAL

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Table 36.1
Maximum temperature rises

Materials and component parts		Degrees	
		C	F
1.	Capacitors ^b :		
	Electrolytic ^a	40	72
	Other types ^b	65	117
2.	Fuses:		
	a) Class CC, G, J, or T	85	153
	b) Other than Class CC, G, J, and T ^c	65	117
3.	Fiber employed as electrical insulation.	65	117
4.	At any point within a terminal box or wiring compartment of a permanently connected machine in which power-supply conductors are to be connected, including such conductors themselves, unless the machine is marked in accordance with 63.2.1 .	35	63
5.	For a machine that is not likely to be moved often in service, a surface upon which the machine may be supported and surfaces that may be adjacent to the machine when so supported.	65	117
6.	Class A insulation system on coil windings of an a-c motor having a diameter of more than 7 inches (178 mm), of a d-c motor, and of a universal motor ^{d,e}		
	a) In an open motor:		
	Thermocouple method	65	117
	Resistance method	75	135
	b) In a totally enclosed motor:		
	Thermocouple method	70	126
	Resistance method	80	144
7.	Class A insulation systems on coil windings of an a-c motor having a diameter of 7 inches (178 mm) or less, not including a universal motor, and on a vibrator coil ^{d,e}		
	a) In an open motor and on a vibrator coil:		
	Thermocouple or resistance method	75	135
	b) In a totally enclosed motor:		
	Thermocouple or resistance method	80	144

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8	Class B insulation systems on coil windings of an a-c motor having a frame diameter of more than 7 inches (178 mm), of a d-c motor, and of a universal motor ^{d,e}		
	a) In an open motor:		
	Thermocouple method	85	153
	Resistance method	95	171
	b) In a totally enclosed motor:		
	Thermocouple method	90	162
	Resistance method	100	180
9.	Class B insulation system on coil windings or an a-c motor having a diameter of 7 inches (178 mm) or less, not including a universal motor ^{d,e}		
	a) In an open motor:		
	Thermocouple or resistance method	95	171
	b) In a totally enclosed motor:		
	Thermocouple or resistance method	100	180
10.	Class 155 (F) insulation systems on coil windings on an a-c motor having a frame diameter of 7 in (178 mm) or less, not including a universal motor, and on a vibrator coil ^a		
	a) In an open motor:		
	Thermocouple or resistance method	120	216
	b) In a totally enclosed motor:		
	Thermocouple or resistance method	125	225
11.	Class 155 (F) insulation on coil windings of a-c motors having a frame diameter of more than 7 in (178 mm), and of a d-c motor, and a universal motor ^a		
	a) In open motors:		
	Thermocouple method	110	198
	Resistance method	120	216
	b) In totally enclosed motors:		
	Thermocouple method	115	207
	Resistance method	125	225
12.	Class 180 (H) insulation on coil windings of a-c motors having a frame diameter of 7 in (178 mm) or less – not including a universal motor – and on a vibrator coil ^a		
	a) In open motors:		
	Thermocouple or resistance method	135	243

	b) In totally enclosed motors:		
	Thermocouple or resistance method	140	25
13.	Class 180 (H) insulation on coil windings of a-c motors having a frame diameter of more than 7 in (178 mm), of a d-c motor, and a universal motor ^a		
	a) In open motors:		
	Thermocouple method	125	225
	Resistance method	135	243
	b) In totally enclosed motors:		
	Thermocouple method	130	234
	Resistance method	140	252
14.	Class 105 insulation systems on windings of an electrical component, such as a relay or a solenoid ^d		
	Thermocouple method	65	117
	Resistance method	85	153
15.	Class 130 insulation systems on windings of an electrical component, such as a relay or a solenoid ^d		
	Thermocouple method	85	153
	Resistance method	105	189
16.	Class 130 insulation systems on vibrator coils:		
	Thermocouple or resistance method	95	171
17.	Phenolic composition employed as electrical insulation or as a part the deterioration of which would result in a risk of fire or electric shock ^f	125	225
18.	Rubber- or the thermoplastic-insulated wire and cord ^{f,g,h}	35	63
19.	Sealing compound	40°C (104°F) less than melting point	
20.	Varnished-cloth insulation	60	108
21.	Wood and other combustible material.	65	117
22.	Transformers with Class 105 insulation system:		
	Thermocouple method	65	117
	Resistance method	75	135
23.	a) Copper, tinned or bare strands		
	1) Less than 0.015 inch (0.38 mm) diameter	125	225
	2) 0.015 inch (0.38 mm) diameter and larger	175	315

b)	Nickel, gold, or silver platings or combinations of those platings, over copper conductors	225	405
<p>^a The temperature rise on insulating material integral with the enclosure of an electrolytic capacitor that is physically integral with or attached to a motor may <u>shall not</u> be not more than 65°C (117°F).</p> <p>^b A capacitor that <u>is designed and marked to operate</u> operates at a temperature rise of more than 40°C (72°F) for electrolytic or more than 65°C (117°F) for other types may be judged on the basis of its marked temperature limit. <u>In any case, the measured temperature shall not exceed the temperature rating of the capacitor based on a 25°C (77°F) ambient temperature.</u></p> <p>^c A fuse that has been investigated and found to be acceptable for use at a higher temperature may be used.</p> <p>^d At a point on the surface of a coil where the temperature is affected by an external source of heat, the temperature rise measured by a thermocouple may be higher by the following amount than the maximum indicated:</p>			

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BSR/UL 923, Standard for Safety for Household Microwave Ovens

1. Clarification for Two-step Opening Requirement for Child Resistant Microwave Oven Door

PROPOSAL

36A Child Resistant Oven Door

36A.1 General

36A.1.1 The user shall be required to perform two distinct actions to open a door that provides access to the oven cavity. Actions such as slide and pull or twist and push are examples of actions which generally comply with the intent of the requirement. For touch-type controls, touching two different touch pads but not the same touch pad twice meets the intent of the requirement.

Note: A door design that requires two distinct actions to open the door during any heating cycle and for a period of 30 minutes after a heating cycle to provide access to the oven cavity meets the intent of this requirement.

Exception: This section does not apply on the following product types:

- a) *Over-the-cooktop or under-cabinet mounted ovens provided the manufacturer's installation instructions is marked in accordance with 74.6.*
- b) *Built-in or wall-mounted ovens provided either:*
 - 1) *The manufacturer's installation instructions are marked in accordance with 74.7;*
 - 2) *The product has a bottom-hinged door; or*
 - 3) *The product is a drawer microwave.*
- c) *Microwave ovens intended for commercial use only, and marked in accordance with 71.1.3(f).*

2. Clarification of the Definition of a Tool for Child Resistant Microwave Oven Door

PROPOSAL

36A.3 Override for single-action door opening

36A.3.1 An appliance complying with two-action door opening per 36A.1 may be provided with a means to allow the user to convert the product to single-action door opening (that is, disable one of the actions specified in 36A.1). Conversion from two-action operation shall be accomplished by one of the following methods:

- a) An operation that requires a tool, or
- b) An operation that requires inputting a code consisting of at least 3 distinct key-presses on a touch control.

Note: A tool is considered a screwdriver, coin or any other convenient object. The operation would not be fulfilled by hand only, such as depressing with one's thumb and turning.

3. Type Color of the Burn Hazard Label for Child Resistant Microwave Oven Door

PROPOSAL

72.4 All microwave ovens shall be provided with a permanent marking in a location that is clearly visible to the user when the door is open. The marking shall be placed on the vertical surface directly behind the door as shown in Figure 72.1. The wording shall be as shown in Figure 72.2, or the equivalent. The height of the capital letters in the message shall be 0.1 in (2.54 mm) minimum. The height of "WARNING" shall be a minimum of 1.5 times the height of the letters in the message. The type of color of the label shall be in accordance with the Standard for Product Safety Signs and Labels, ANSI Z535.4. Lettering shall be black. The background of the message block shall be white or silver, or alternatively, lettering shall be white on a black background. and the background in the warning block shall be The warning lettering shall be in black on an orange background.

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BSR/UL 2442, Standard for Safety for Wall- and Ceiling-Mounts and Accessories**1. Modification To Table 54.1, Supporting Surface Loading Parameters****PROPOSAL**

Table 54.1
Supporting Surface Loading Parameters

Surface type	Load
Shelf, platform, or bracket intended to support a CRT television/monitor or similar apparatus	Weight specified in Table 54.2 or manufacturer specified load, whichever is greater
Shelf, platform, or bracket intended to support a loudspeaker or similar apparatus	Manufacturer specified load
Shelf, platform, or bracket intended to support a VCR, DVD, DVR player, satellite receiver, cable box or similar apparatus	Manufacturer specified load or 25 lbs. (11.34 kg); <u>whichever is greater when not specified by the manufacturer</u>
Flat Panel Displays such as Plasma Display, Liquid Crystal Display (LCD), and Light Emitting Diode Display (LED)	Manufacturer specified load
Apparatus other than mentioned above	Manufacturer specified load or 25 lbs. (11.34 kg); <u>whichever is greater when not specified by the manufacturer</u>
Dedicated storage area – Tapes, CDs, DVDs	Manufacturer specified load
Shelf, platform, or bracket intended to support a video projector	Manufacturer specified load

2. Modification To Clause 37.3**PROPOSAL**

37.3 Polymeric or similar material used in the construction of a wall or ceiling mount assembly that is used as an enclosure or support for live parts shall have a minimum flammability classification of HB. The flammability classification is to be determined by tests described in the Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances, UL 94. A material classified using 1/8-inch (3.2 mm) thick bar specimens is able to be employed in thicknesses less than 1/8 inch in the wall or ceiling mount assembly. A molding, cover, shelf, top cap, or similar part not forming an electrical enclosure, that is formed of polymeric material shall be classed HB or higher in accordance with the Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances, UL 94.

Exception: This requirement does not apply to the following:

a) External accessories that are not permanently attached to the mount, such as a screwdriver, container of lubricating oil, and similar accessories.

b) Small parts that satisfy all of the following:

1) The maximum volume does not exceed 0.122 inch³ (2 cm³), and

2) The maximum dimension does not exceed 1.18 inches (3 cm).

c) Polymeric material 0.010 inch (0.254 mm) thick or less.

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

1. Clarification on aluminum alloys that do not need to be subjected to atmospheric corrosion tests

PROPOSAL

10.2 Aluminum alloys of series 2XX.X, 2XXX, 7XX.X, 7XXX, 8XX.X, and 8XXX shall not be used, as test methods to assess the corrosion resistance of these alloys have not yet been developed. Steel, iron or other non-inherently corrosion-resistant materials which may be exposed to the weather shall be made corrosion-resistant by one of the following minimum coatings:

a) Hot-dipped mill-galvanized sheet steel conforming with the coating designation G90 (Z275) in the Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot Dip Process, ASTM A653/A653M, or for equivalent ASTM 123, based on the minimum single spot-test requirement in this ASTM specification. The weight of zinc coating may be determined by any acceptable method; however, in case of question, the weight of coating shall be established in accordance with the Standard Test Method for Weight of Coating on Zinc-Coated (Galvanized) Iron or Steel Articles, ASTM A90-81 (1991).

Exception: For the posts that are to be driven into the ground, the coating designation of G210 (Z600), minimum, according to ASTM A653/A653M or the equivalent in either the Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware, ASTM A153, or the Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products, ASTM A123, shall be utilized.

b) A zinc coating, other than that provided on hot-dipped mill-galvanized sheet steel, uniformly applied to an average thickness of not less than 0.61 mils (0.015 mm) on the surface with a minimum thickness of 0.54 mils (0.014 mm). The thickness of the coating shall be established by the Metallic Coating Thickness Test, Section 20. An annealed coating shall also comply with 10.5 and 10.6.

c) A cadmium coating not less than 1.0 mils (0.025 mm) thick on both surfaces. The thickness of the coating shall be established by the Metallic Coating Thickness Test, Section 20.

d) A zinc coating conforming with 10.2(a) or 10.2(b) with one or more coats of outdoor paint. The coating system shall comply with 10.3.

e) A cadmium coating not less than 0.00075 in (0.019 mm) thick on both surfaces with one coat of outdoor paint on both surfaces, or not less than 0.00051 in (0.013 mm) thick on both surfaces with two coats of outdoor paint on both surfaces. The thickness of the cadmium coating shall be established by the Metallic Coating Thickness Test, Section 20, and the coating system shall comply with 10.3.

f) An organic or inorganic protective coating system providing protection at least equivalent to that provided by the zinc coating described in 10.2(a). See Corrosive Atmosphere Tests, Section 19.

BSR/UL 3100, Standard for Safety for Automated Mobile Platforms (AMPs)

1. Withdrawal of Proposal: Revision to Dielectric Voltage Withstand Test

PROPOSAL

If the 2022-10-28 proposal is withdrawn, the current requirements in the standard would remain unchanged as shown below:

50 Dielectric Strength Test

50.2 Circuits at 60 Vdc or higher shall be subjected to a dielectric withstand voltage consisting of a dc potential of twice the rated voltage.

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BSR/UL 6420, Standard for Equipment Used for System Isolation and Rated as a Single Unit

1. Addition of requirements for Pneumatic Isolation, Annex C

PROPOSAL

C1.3 Requirements for the Lockout Station (LS), Safety Control System and electrical isolation, if applicable, are the same as described in the main body of this Standard except as modified or added to by the requirements in this Annex.

C2.6 Lockout Station (LS) – System Isolation Equipment remote mounted control box used to initiate a sequence that ends in power being isolated. Contains a means to lock in the off and a means to indicate system has been isolated.

C3.1 The requirements of 8.3.8 apply except where modified by this Annex. The pneumatic isolation system is comprised of two safety functions as follows:

- a) Safety Function 1 - Turning off any LS shall isolate the pneumatic supply from the connected equipment.
- b) Safety Function 2 - When any LS is off and energy is isolated, the system shall verify that it is in an energy isolated state and indicate it is safe to work on connected equipment.

C6.1.2 Type A2 - Electro-pneumatically monitored, safety rated exhaust double valves incorporating internal electronic safety circuit and dual exhaust valves shall be rated to CAT4/PLe per ISO13849-1 , Safety of Machinery - Safety-Related Parts of Control Systems – Part 1: General Principles for Design, or SIL3 per IEC 62061, Safety of Machinery - Functional Safety of Safety-Related Control Systems, for the isolation of energy. Diagnostic coverage of the energy isolated position of the isolation valves shall be provided by internal indirect position monitoring, such as by means of a proximity switch.

C6.2.2 The dual valve assembly and safety control system of the system isolation equipment together shall comply with the requirements for CAT4/PLe per ISO 13849-1, Safety of Machinery - Safety-Related Parts of Control Systems – Part 1: General Principles for Design, or SIL3 per IEC 62061, Safety of Machinery - Functional Safety of Safety-Related Control Systems, for energy exhaust and isolation. It is permitted for the manufacturer to provide reliability calculations which shall include input, control and outputs of the System Isolation Equipment as a unit associated with the Pneumatic Interface Module.

C7.1 The valve assembly shall provide three ports for application piping. The Port 1 Inlet shall be plumbed to plant air supply filter/regulator. The Port 2 Outlet shall be piped to feed the machine or process with compressed air and shall have the dual pressure switch verification sensors piped to it. The Port 3 Exhaust shall be provided with a high flow exhaust muffler and no piping that can inhibit the exhaust capability of the valve. .

C8.1 For a pneumatic interface module, the requirements in 5.4, Load side power circuit monitoring methods, are replaced with the requirements in this Section. The system isolation equipment shall include redundant pressure switches complying with the requirements for CAT4/PLe per ISO 13849-1, Safety of Machinery - Safety-Related Parts of Control Systems – Part 1: General Principles for Design, or SIL3 per IEC 62061, Safety of Machinery - Functional Safety of Safety-Related Control Systems. The manufacturer is permitted to provide reliability calculations which shall include input, control and outputs of the System Isolation Equipment as a unit associated with the Pneumatic Interface Module.

C10.2 With the pneumatic module connected to the main SIE with LS attached and pneumatic pressure applied, the normal operating conditions of supply voltage and pneumatic pressure are to be applied. The reaction of the SIE to the normal conditions is to be evaluated to 8.3.8.1 and the abnormal or faulted conditions are to be evaluated to 8.3.8.2. The proper operation of the system isolation equipment under failure conditions are to be verified as stated in 8.3.8.3 and 9.3.6, and while performing the following tests:

C10.2.2 Dual valve synchronization failure; Fails to safe condition. If one valve fails to turn ON or OFF when commanded, both valves shall turn OFF to isolate the pneumatic power within the time period specified by the valve manufacturer's specified exhaust time and generate a fault condition.

C10.2.7 Normal Operation; Verify normal operation when LS switch is OFF, Valves are OFF and not faulted. Zero Pressure Verification pressure switches shall close below 10 psi (0.6 bar) falling pressure and open at 14psi (1 bar) rising when pressure is reapplied.

C10.2.8 Faulted Operation; Verify faulted operation when LS switch is OFF, Valves are OFF, and one valve is faulted. Zero Pressure Verification pressure switches shall close below 10 psi (0.6 bar). The SIE is evaluated according to the fault reaction requirements in 8.3.8.2.

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