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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.

ABYC (American Boat and Yacht Council)

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

Revision

BSR/ABYC A-22-202x, Compressed Natural Gas (CNG) Systems (revision of ANSI/ABYC A-22-2018)
Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This standard identifies safety issues with marine compressed natural gas (CNG) systems.

Interest Categories: Manufacturer - Boats, Manufacturer - Engines, Manufacturer - Accessory, Trade Associations, Insurance / Survey, Specialist Service, Specialist Misc., Government, Consumer

Scope: This standard addresses the design, construction, installation, and maintenance of compressed natural gas (CNG) systems on boats up to the point of connection with the CNG appliance.

ABYC (American Boat and Yacht Council)

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

Revision

BSR/ABYC A-26-202x, LPG and CNG Fueled Appliances (revision of ANSI/ABYC A-26-2018)
Stakeholders: Surveyors, consumers, insurance personnel, trade organizations, boat manufacturers, government personnel, boat specialists.

Project Need: This standard identifies safety issues with LPG- and CNG-fueled appliances.

Interest Categories: Manufacturer - Boats, Manufacturer - Engines, Manufacturer - Accessory, Trade Associations, Insurance / Survey, Specialist Service, Specialist Misc., Government, Consumer

Scope: This standard addresses the design, construction, installation, and maintenance of LPG- and CNG-fueled appliances. This standard applies to permanently installed LPG- and CNG-fueled appliances intended for use in enclosed compartments on boats.

ABYC (American Boat and Yacht Council)

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

Revision

BSR/ABYC H-32-202x, Ventilation of Boats Using Diesel Fuel (revision of ANSI/ABYC H-32-2013 (R2018))
Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This standard identifies safety issues with ventilation of boats using diesel fuel.

Interest Categories: Manufacturer - Boats, Manufacturer - Engines, Manufacturer - Accessory, Trade Associations, Insurance / Survey, Specialist Service, Specialist Misc., Government, Consumer

Scope: This standard addresses the design, construction, and installation of ventilation systems of boats using diesel fuel, for the purpose of removal of fixed gaseous fire extinguishing system discharge, and/or combustion air, and/or any incidental additional uses.

ABYC (American Boat and Yacht Council)

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

Revision

BSR/ABYC P-17-202x, Manual and Assisted Mechanical Steering Systems (revision of ANSI/ABYC P-17-2018)
Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This standard applies to engine-mounted and boat-mounted remote manual and assisted mechanical cable steering systems used with single and twin engine installations of outboard engines over 20 hp per engine (15 kW), inboard, sterndrive, and water jet drives.

Interest Categories: Manufacturer - Boats, Manufacturer - Engines, Manufacturer - Accessory, Trade Associations, Insurance / Survey, Specialist Service, Specialist Misc., Government, Consumer

Scope: This standard addresses the design and construction of remote manual and assisted mechanical cable steering systems and the major components thereof, covering design, construction, and installation of steering systems for outboard, inboard, sterndrive, and water jet drive boats.

ABYC (American Boat and Yacht Council)

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

Revision

BSR/ABYC P-22-202x, Steering Wheels (revision of ANSI/ABYC P-22-2018)
Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This standard identifies safety issues with steering wheels.

Interest Categories: Manufacturer - Boats, Manufacturer - Engines. Manufacturer - Accessory. Trade Associations, Insurance / Survey, Specialist Service, Specialist Misc., Government, Consumer

Scope: This standard addresses the design, construction, and installation of steering wheels for marine applications. This standard applies to steering wheels up to and including 24 in (61 cm) in diameter used with outboard engines, inboards, sterndrives, and water jet drives.

ABYC (American Boat and Yacht Council)

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

Revision

BSR/ABYC P-28-202x, Electric/Electronic Control Systems for Propulsion and Steering (revision of ANSI/ABYC P -28-2020)

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

Project Need: This standard is a guide for the design, construction, testing, and installation of electric/electronic remote control systems of steering, forward and reverse thrust, speed, and trim/tilt of propulsion machinery on boats.

Interest Categories: Manufacturer - Boats, Manufacturer - Engines, Manufacturer - Accessory, Trade Associations, Insurance / Survey, Specialist Service, Specialist Misc., Government

Scope: This standard applies to electric/electronic remote control systems for steering equipment and propulsion machinery on boats through physically connected and wireless means, and to the marking and orientation of the controls.

ABYC (American Boat and Yacht Council)

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

Revision

BSR/ABYC S-33-202x, On-Water Engine Emissions Testing (revision of ANSI/ABYC S-33-2020)

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

Project Need: This industry conformity standard establishes methods for the collection of on-water exhaust emissions from marine spark ignition (SI) engines.

Interest Categories: Manufacturer - Boats, Manufacturer - Engines, Manufacturer - Accessory, Trade Associations, Insurance / Survey, Specialist Service, Specialist Misc., Government, Consumer

Scope: This standard is applicable to 2013 and later marine spark ignition (SI) propulsion engines with engine ECU outputs of torque, and RPM capabilities per 40 CFR1045.115b.

ASA (ASC S12) (Acoustical Society of America)

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

Revision

BSR/ASA S12.42-202x, Microphone-In-Real-Ear and Acoustic Test Fixture Methods for the Measurement of Insertion Loss of Hearing Protection Devices (revision of ANSI/ASA S12.42-2010 (R2020))
Stakeholders: Industrial, military, and non-occupational users of hearing protection devices and potentially regulatory agencies that may call for use of this standard.

Project Need: ANSI S12.42-2010 was a major revision of the prior document and included many new concepts and procedures, some of which had not yet been fully vetted in laboratories. With over 10 years of experience we are now re-examining the document to make changes as needed.

Interest Categories: Producers, Users, Trade Associations, General Interest, Government

Scope: This standard provides two methods for measuring the insertion loss of any hearing protection device (HPD) that encloses the ears, caps the ears, or occludes the ear canals. It contains information on instrumentation, calibration, electroacoustic requirements, subject selection and training, procedures for locating ear-mounted microphones and HPDs to measure sound pressure levels at the ear, specifications describing suitable ATFs, and methods for reporting the calculated insertion-loss values.

ASA (ASC S2) (Acoustical Society of America)

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

Revision

BSR S2.75-202x/Part 2, Shaft Alignment Methodology, Part 2: Vocabulary (revision of ANSI/ASA S2.75 -2017/Part 2 (R2020))
Stakeholders: Owners, users, purchasers, maintainers, manufacturers, sellers, etc. of coupled rotating equipment with an interest into the shaft alignment practices and alignment quality standards.

Project Need: During the editing/publication of ANSI-ASA S2.75 Part 2 Vocabulary, the publication was unfortunately based on a not-final draft. This draft did not include a few desired items in the vocabulary, but this was not noticed until after publication of S2.75 Part 2. This intent of this project is to add those omitted items to the vocabulary document and as well additional vocabulary terms which are instrumental to recently published S2.75 Part 3.

Interest Categories: Users, Producers, Government, Trade Associations, General Interest

Scope: The purpose of this standard is to define terminology unique to the alignment of machinery that has been in common use among engineers and technicians working in the field. Words and phrases are presented in alphabetical order. This vocabulary is intended to be used with the ASA/ANSI S2.75 series, Shaft Alignment Methodology.

ASABE (American Society of Agricultural and Biological Engineers)

Carla VanGilder; vangilder@asabe.org | 2950 Niles Road | Saint Joseph, MI 49085 https://www.asabe.org/

Revision

BSR/ASABE S613-1.1 MONYEAR-202x, Tractors and Self-Propelled Machinery for Agriculture - Air Quality Systems for Cabs - Part 1: Terminology and Overview (revision and redesignation of ANSI/ASABE S613-1-FEB2009 (R2018))

Stakeholders: Users of the standard; spray applicators and filter manufacturers

Project Need: The pre-reaffirmation review of the standard identified the need to update/revise the standard to address current practices, references, and make editorial corrections.

Interest Categories: Academia, Consultant, Producer, Safety, User

Scope: This standard is intended for application to agricultural self-propelled machinery including tractors as defined by ASABE Standard ANSI/ASAE S390.7. It covers terminology, definitions, and an overview of how cabs may be used in contaminated environments as part of an Occupational Health and Safety Management System.

ASSP (ASC A10) (American Society of Safety Professionals)

Tim Fisher; TFisher@ASSP.org | 520 N. Northwest Highway | Park Ridge, IL 60068 www.assp.org

Revision

BSR/ASSP A10.25-202X, Sanitation in Construction (revision and redesignation of ANSI/ASSE A10.25-2017)

Stakeholders: Occupational Safety and Health Professionals working in construction and demolition

Project Need: Based upon the consensus of the A10 Membership and the leadership of the American Society of Safety Professionals.

Interest Categories: Employer/User (A); Employee/Labor (B); Technical (C); Consultants and Related Interests (D)

Scope: This standard applies to all construction jobsites and covers potable water, toilet, and hand-washing facilities located on a jobsite. It assures that employees are provided with adequate potable water, hand-washing, and sanitary waste-disposal facilities.

AWS (American Welding Society)

Mario Diaz; mdiaz@aws.org | 8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 www.aws.org

New Standard

BSR/AWS D20.2M/D20.2-202x, Specification for Additive Manufacturing (AM) of Metal Components Using Wire Directed Energy Deposition (DED) (new standard)

Stakeholders: This publication would be used by organizations that build or specify the building of metal components by DED with wire feedstock. This is expected to include a wider variety of industries than currently use additive manufacturing.

Project Need: This document is needed to address a lack of specificity when using AWS D20 and other metal AM standards for situations most like traditional welding using wire as the feedstock. A treatment that provides for more specifics on filler material such as referencing AWS specifications, less restriction on transfer of procedure from machine to machine, and qualification limits on mechanical properties that are not as specified by the engineer will help this application grow and flourish.

Interest Categories: General Interest, Educators, Producers, Users

Scope: The purpose of this standard is to provide a stand-alone document outside AWS D20.1, Specification for Fabrication of Metal Components Using Additive Manufacturing for Directed Energy Deposition (DED), using wire as the source of the deposited material. When wire is the source of the deposited material, the broad experience of AWS on welding can be used to provide a more comprehensive approach to specification of additive manufacturing (AM) than was possible in the more general document D20.1, that now covers both powder and wire sources of deposited material, as well as both Powder Bed Fusion (PBF) and DED. The greater specificity is expected to be similar to the ASME Section IX Code Case 3200, which has provided a method for qualification of GMA and wire DED, with plans to add EB and wire DED. It is expected that D20.2 will cover a similarly wide range of materials to the existing D20.1, while also covering both arc and beam energy sources. D20 can also reference AWS filler wire specifications. The objectives for D20.2 include specifications for:

- Design;
- Machine and procedure qualification;
- Machine operator performance qualification;
- Fabrication;
- Inspection.

The revision of D20.1 to remove the wire DED will be relatively simple, mostly removing sample additive manufacturing qualification record sheets for processes that will be covered by D20.2 instead.

ESTA (Entertainment Services and Technology Association)

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

New Standard

BSR/E1.78-202x, Weapons Safety in Entertainment Production (new standard)
Stakeholders: Event producers, technicians, performers, manufacturers

Project Need: A recent high-profile incident has placed an emphasis on firearms, but many more types of weapons or weapons-like props are used in the production of entertainment events. While various segments of the entertainment industry have safety guidelines available to them for certain types of prop- or weapons-like effects, no common standard exists to address the common risks present across the various industry segments, which include film, television, theatre, historical re-enactments, and other types of staged or pre-recorded events.

Interest Categories: Event producer; Equipment producer (manufactures prop weapons or alters weapons for prop use); Dealer or rental company; Designer (designs prop weapons, or choreographs their use, but who is not a producer or dealer); Event worker (designated onsite person in responsible charge of all weapons-like props, at all times during production, until personal control of the item has been transferred to a User); User (performing artist or other user, not in responsible charge until assigned during); Insurance provider; General Interest.

Scope: The purpose of this project is to create a guidance document for the safe use of weapons or weapon-like properties (props) in entertainment event productions. It would cover prop weapons such as those that look like firearms (whether capable of firing cartridges or not), edged weapons (e.g., swords and knives), and projectiles (e. g. arrows and darts). The standard would only cover weapons and weapon-like props used on stages, in motion picture studios, or on motion picture locations in the production of a staged or filmed event. It would not cover weapons used by security forces or carried by audience members or staff for personal protection. It also would not cover weapons used in sporting events such as bullseye pistol or fencing competitions. The goal is to eliminate injuries and deaths from weapons or weapon-like props used in entertainment productions, such as stagings of “Hamlet” or “Of Mice and Men”.

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

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

Revision

BSR/ASSE 1079-202x, Performance Requirements for Dielectric Pipe Unions (revision of ANSI/ASSE 1079-2012 (R2021))
Stakeholders: Architects, Plumbing contractors, Codes officials, Manufacturers, plumbing installers, plumbing engineers and specifiers

Project Need: Update the standard to reference new approved technology in connecting methods.

Interest Categories: Manufacturer, User, Installer/Maintainer, Research/Standards/Testing Laboratory, Enforcing Authority Consumer, General Interest.

Scope: Dielectric Pipe Unions are used to join dissimilar pipe materials to prevent the flow of galvanic current or to isolate sections of pipe from stray currents which could cause accelerated corrosion and premature failure of plumbing components and associated piping. These devices are metallic and join metallic pipe in a similar manner to standard pipe unions and flanges, with the added ability to electrically insulate one pipe section from another.

NASBLA (National Association of State Boating Law Administrators)

Kaci Christopher; Kaci.christopher@nasbla.org | 1020 Monarch Street, Suite 200 | Lexington, KY 40513 www.nasbla.org

New Standard

BSR/NASBLA 500-202x, Investigative Training for Boating Incidents (new standard)
Stakeholders: The Standard serves to educate and train boating incident investigators.

Project Need: The Investigative Training for Boating Incident Standard is for use in curriculum development and training of recreational boating incident investigators in the U.S. states, territories, and District of Columbia. This Standard provides commonality for recreational boat incident investigations, general vessel terminology, navigation rules and regulations, environmental distractions, witness interviews, collision dynamics, evidence collection and preservation, diagramming, and report writing, including adherence to definitions and detail in the incident narrative with particular focus on human factor causal elements.

Interest Categories: The interest categories are: federal, state, public, commercial, and non-profit.

Scope: The Investigative Training for Boating Incident Standard is for use in curriculum development and training of recreational boating incident investigators in the U.S. states, territories, and District of Columbia. This Standard provides commonality for recreational boat incident investigations, general vessel terminology, navigation rules and regulations, environmental distractions, witness interviews, collision dynamics, evidence collection and preservation, diagramming, and report writing, including adherence to definitions and detail in the incident narrative with particular focus on human factor causal elements.

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 285-202x, Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components (revision of ANSI/NFPA 285-2023)
Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)
Please refer to the following link https://www.nfpa.org/tcclass for more information about our classifications

Scope: This standard provides a test method for determining the fire propagation characteristics of exterior wall assemblies that are constructed using combustible materials or that incorporate combustible components. The fire propagation characteristics are determined for post-flashover fires of interior origin.

NW&RA (ASC Z245) (National Waste & Recycling Association)

Kirk Sander; ksander@wasterecycling.org | 1550 Crystal Drive, Suite #804 | Arlington, VA 22202 www.wasterecycling.org

Revision

BSR Z245.1-202x, Mobile Wastes and Recyclable Materials Collection, Transportation, and Compaction Equipment Safety Requirements (revision of ANSI Z245.1-2017)
Stakeholders: Manufacturers of Equipment, Consultants, Machine Operators, Engineers, Regulators, customers, safety professionals, trade and professional associations and institutes, writers with an interest in the scope, all other stake holders not specified

Project Need: This update is to include the inclusion of electric vehicles and updates to technology in the industry since the publication of the 2017 version.

Interest Categories: Manufacturer, User, Trade Association, Regulatory Agency, Insurance, Labor, Distributor or Dealer, Consultant, General Interest.

Scope: This Standard applies to the construction, reconstruction, modification, care, maintenance, operation, and use of mobile waste or recyclable materials collecting, transportation and compacting equipment. This standard identifies requirements for refuse collecting and compacting equipment mounted on refuse truck chassis: rear-loading, front-loading, and side-loading compacting equipment; roll-off and hoist-type equipment; grapple vehicles; satellite vehicles; waste transfer trailers; recycling collection vehicles; and mobile equipment with container and cart lifting equipment. This standard does not apply to the truck chassis/cab upon which the waste or recyclable materials collecting and compacting equipment is mounted except for certain provisions.

NW&RA (ASC Z245) (National Waste & Recycling Association)

Kirk Sander; ksander@wasterecycling.org | 1550 Crystal Drive, Suite #804 | Arlington, VA 22202 www.wasterecycling.org

Revision

BSR Z245.41-202x, Facilities for the Processing of Commingled Recyclable Materials - Safety Requirements (revision of ANSI Z245.41-2015)
Stakeholders: Manufacturers of Equipment, Consultants, Machine Operators, Engineers, Regulators, customers, safety professionals, trade and professional associations and institutes, writers with an interest in the scope, all other stake holders not specified

Project Need: The standard needs to be updated with the introduction of technology for facilities operations and the frequency of new hazards that are being encountered in the facilities.

Interest Categories: Manufacturer, User, Trade Association, Regulatory Agency, Insurance, Labor, Distributor or Dealer, Consultant, General Interest.

Scope: This standard establishes safety requirements for the design, manufacture, construction, modification, maintenance, and operation of facilities used in the processing of commingled wastes and recyclable materials. It is a revision of the original safety standard, approved and published in 1997. It does not cover other types of facilities such as, waste-to-energy plants, scrap processing facilities, transfer stations, or mixed-waste processing facilities, unless there is a commingled processing operation as part of these facilities. In those cases, this standard covers only the part of the facility, which performs the processing of commingled materials.

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

Katelyn Simpson; KSimpson@tileusa.com | 100 Clemson Research Blvd. | Anderson, SC 29625 www.tcnatile.com

Revision

BSR A118.1-202x, Specifications for Dry-Set Cement Mortar (revision of ANSI A118.1-2019)
Stakeholders: Ceramic tile installers, contractors, and builders (labor interest category), related material manufacturers (manufacturing interest category), distributors, retailers and consumers (user interest category), and affiliated industries and other general interest users of this standard (general interest category)

Project Need: Stakeholders have suggested that revisions be made to various sections of this standard.

Interest Categories: Manufacturer, Labor, General Interest, User.

Scope: This specification describes the test methods and the minimum requirements for standard dry-set cement mortar.

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

Katelyn Simpson; KSimpson@tileusa.com | 100 Clemson Research Blvd. | Anderson, SC 29625 www.tcnatile.com

Revision

BSR A118.4-202x, Specifications for Modified Dry-Set Cement Mortar (revision of ANSI A118.4-2019)
Stakeholders: Ceramic tile installers, contractors, and builders (labor interest category), related material manufacturers (manufacturing interest category), distributors, retailers and consumers (user interest category), and affiliated industries and other general interest users of this standard (general interest category).

Project Need: Various stakeholders have suggested revisions be made to various sections of this standard.

Interest Categories: Manufacturer, Labor, General Interest, User.

Scope: This specification describes the test methods and the minimum requirements for modified dry-set cement mortar.

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

Katelyn Simpson; KSimpson@tileusa.com | 100 Clemson Research Blvd. | Anderson, SC 29625 www.tcnatile.com

Revision

BSR A118.15-202x, Specifications for Improved Modified Dry-Set Cement Mortar (revision of ANSI A118.15 -2019)
Stakeholders: Ceramic tile installers, contractors, and builders (labor interest category), related material manufacturers (manufacturing interest category), distributors, retailers and consumers (user interest category), and affiliated industries and other general interest users of this standard (general interest category).

Project Need: Various stakeholders have suggested revisions be made to various sections of this standard.

Interest Categories: Manufacturer, Labor, General Interest, User.

Scope: This specification describes the test methods and the minimum requirements for improved modified dry-set cement mortar.

TIA (Telecommunications Industry Association)

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

Addenda

BSR/TIA 568.3-E-1-202x, Optical Fiber Cabling and Components (addenda to ANSI/TIA 568.3-E-2022)
Stakeholders: TR-42.1, TR-42.11, TR-42.13, IEC 86B, IEC 86C, ISO/IEC/JTC1/SC25/WG3, end-users, installers, designers of optical fiber cabling systems

Project Need: Update standard.

Interest Categories: User, Producer and General Interest..

Scope: Create an addendum (supplement) to current standard.

ULSE (UL Standards & Engagement)

Sabrina Khrebtov; sabrina.khrebtov@ul.org | 171 Nepean Street, Suite 400 | Ottawa, ON K2P 0B4 Canada https://ul.org/

New Standard

BSR/UL 2996-202x, Standard for Safety for In-Ground Boxes (new standard)
Stakeholders: CACES approved the need for regulatory requirements in the subject area via their ballot of 2016. The following stakeholders support the development of the project: (1) Lengrand & Wiremold; (2) Leviton Mfg Co. Inc.; (3) ABB; and (4) Allied Moulded Products.

Project Need: Conversion of the UL Outline 0-2996 to a new harmonized tri-national standard Addresses a gap in regulatory requirements, currently only addressed by ULC/ORD-C2996.

Interest Categories: AHJ/Regulator, Consumer, General Interest, Non-voting, Producer, Stakeholders, Supply Chain and Testing and Standards Organizations.

Scope: 1.1 This standard covers finished-grade in-ground outlet boxes with integral wiring enclosures for mounting accessible wiring device(s) connected to branch circuit(s). An in-ground box is intended to be installed in accordance with: (a) NFPA 70, National Electrical Code, CSA C22.1; (b) Canadian Electrical Code, Part I, Safety Standard for Electrical Installations; and (c) Mexico's Electrical Installations, NOM-001-SEDE. In-ground outlet boxes may also accommodate telecommunication-circuit accessories for power-limited circuits. 1.2 This standard covers the requirements for in-ground outlet boxes that are intended to provide drainage for devices and accessories mounted within, for pedestrian traffic only or pedestrian traffic and nondeliberate vehicular traffic. 1.3 This standard does not cover: (a) Boxes for use in hazardous (classified) locations as defined in the NFPA 70, National Electrical Code; CSA C22.1, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations; and NOM-001-SEDE, Mexico's Electrical Installations; (b) Junction boxes for swimming pools covered by UL 1241 and CSA C22.2 No. 89; (c) Commercial Appliance Outlet Centers covered by ANSI/UL 891/CSA C22.2 No. 244; (d) Products covered by UL 486D/CSA C22.2 No. 198.2, Sealed Wired Connectors; (e) Boxes used for infrastructure lighting and traffic lighting, and handhole and manhole boxes, and enclosures intended solely for electrical installation and maintenance access; (f) Concrete boxes; (g) In-ground outlet boxes greater than Tier 5 in accordance with ANSI/SCTE 77, Specification for Underground Enclosure Integrity; and (h) Grade-level in-ground enclosures covered by CSA C22.2 No. 344.

WMMA (ASC O1) (Wood Machinery Manufacturers of America)

Nikki Augsburger; nikki@wmma.org | 2331 Rock Spring Road | Forest Hill, MD 21050 www.wmma.org

New Standard

BSR O1.1-7-202x, Safety Requirements for Table Saws (new standard)

Stakeholders: Woodworking machinery and accessory equipment manufacturers and users.

Project Need: The O1.1 standard covers the safety requirements for the design, installation, care, and use of woodworking machinery and accessory equipment, used in industrial and commercial applications, having a total connected power of 5 hp (3.7 kw) or greater, or having 3-phase wiring. The O1.1-7 standard will define the standards specifically for table saws.

Interest Categories: Manufacturers, Users/Industrial/Commercial, Importer/Distributor/Retailer, Safety Professional, Government Agency, Insurance, Labor, Testing Laboratory, Integrator, Student, Other.

Scope: The purpose of the O1.1-7 standard will be to establish the safety requirements for the design, installation, care, and usage of table saws used in industrial and commercial applications having a total connected power of 5 hp (3.7 kw) or greater, or having 3-phase wiring.

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: November 13, 2022

CTA (Consumer Technology Association)

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

New Standard

BSR/CTA 2107-202x, The Use of Artificial Intelligence in Health Care: Managing, Characterizing, and Safeguarding Data (new standard)
To develop best practices related to data governance/stewardship for the use of artificial intelligence in health care.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: CAkers@cta.tech

NSF (NSF International)

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

Revision

BSR/NSF 50-202x (i196r1), 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: jsnider@nsf.org

Comment Deadline: November 13, 2022

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

Revision

BSR/NSF 244-202x (i20r2), Supplemental Microbiological Water Treatment Systems -Filtration (revision of ANSI/NSF 244-2021)
The point-of-use (POU) and point-of-entry (POE) systems addressed by this standard are designed to be used for the supplemental microbial control of specific organisms that may occasionally be present in drinking water (public or private) because of intermittent incursions.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: mmilla@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 455-2-202x (i44r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2021)
This standard is intended to define a standardized approach for auditing to determine the level of compliance of dietary supplement products to 21 CFR Part 111, as well as incorporating additional retailer requirements.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: rbrooker@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 455-2-202x (i45r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2021)
This standard is intended to define a standardized approach for auditing to determine the level of compliance of dietary supplement products to 21 CFR Part 111, as well as incorporating additional retailer requirements.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: rbrooker@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 455-2-202x (i49r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2021)
This Standard is intended to define a standardized approach for auditing to determine the level of compliance of dietary supplement products to 21 CFR111, Current Good Manufacturing Practices (GMPs) in Manufacturing, Packaging, Labeling, or Holding Operations for Dietary Supplements, as well as incorporating additional retailer requirements. It refers to the requirements for GMP applicable to all dietary supplements. It will assist in the determination of adequate facilities and controls for dietary supplement manufacture with sufficient quality to ensure suitability for intended use.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: rbrooker@nsf.org

Comment Deadline: November 13, 2022

NSF (NSF International)

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

Revision

BSR/NSF/CAN 50-202x (i195r1), 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: jsnider@nsf.org

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1-202x, Standard for Safety for Flexible Metal Conduit (revision of ANSI/UL 1-2020)
1.1 These requirements cover flexible aluminum and steel conduit designed for use as metal raceway for wires and cables in accordance with the National Electrical Code, NFPA 70.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Celine Eid, celine.eid@ul.org

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 153-202x, Standard for Safety for Portable Electric Luminaires (revision of ANSI/UL 153-2022)
This proposal for UL 153 covers: (1) Scope clarification for lighting strings, (2) Clarification for attachment plug with "W", "Water Resistant", or "Outdoor Use" rating for wet-location luminaires, and (3) Editorial revisions.
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)

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

Revision

BSR/UL 268-202x, Standard for Safety for Smoke Detectors for Fire Alarm Systems (revision of ANSI/UL 268-2021)
Proposed new edition is a binational standard with CAN/ULC-S529 that will incorporate requirements for Canada and the United States. The harmonized requirements include five types of controlled fire tests as the standard for both the U.S. and Canada, the use of one fire test room and smoke test chamber (smoke box), new requirements for air-sampling type (aspirated) smoke detectors, revised daily temperature cycling requirements for electronic components and microelectric circuits, and removal of the 90-day stability 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.

Comment Deadline: November 13, 2022

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 448A-202x, Standard for Flexible Couplings and Connecting Shafts for Stationary Fire Pumps (revision of ANSI/UL 448A-2013 (R2017))
This proposal covers: (1) Editorial revisions: Referenced Publications, Components Section.
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)

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

Revision

BSR/UL 746A-202X, Standard for Safety for Polymeric Materials - Short Term Property Evaluations (revision of ANSI/UL 746A-2022)
This proposal covers a proposal regarding the inclusion of requirements for Chemically Recycled Plastics in Table 9.1. The initial version of this proposal was posted in CSDS for ballot on June 24, 2022.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Derrick Martin; Derrick.L.Martin@ul.org

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 746A-202X, Standard for Safety for Polymeric Materials - Short Term Property Evaluations (revision of ANSI/UL 746A-2022)
This proposal covers the revision of requirements for Resistance of Polymeric Materials to Chemical Reagents in Section 39. The initial version of this proposal was posted in CSDS for ballot on July 23, 2022.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Derrick Martin; Derrick.L.Martin@ul.org

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1449-202x, Standard for Safety for Surge Protective Devices (revision of ANSI/UL 1449-2020)
Recirculation of the following topics previously balloted: (2) Types 1, 2, and 3 Enclosed SPDs Incorporating a Replaceable SPD Module; (3) Clarifications and Updates to Table 48.1 (Test Program).
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://csds.ul.com

Comment Deadline: November 13, 2022

ULSE (UL Standards & Engagement)

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Revision

BSR/UL 2218-202x, Standard for Impact Resistance of Prepared Roof Covering Materials (revision of ANSI/UL 2218 -2020)
This proposal covers: (1) Acceptance criteria clarification; (2) Terminology clarifications for consistency.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx.

Comment Deadline: November 28, 2022

ALI (ASC A14) (American Ladder Institute)

1300 Sumner Avenue, Cleveland, OH 4115-2851 | sorenga@thomasamc.com, www.americanladderinstitute.org

Revision

BSR A14.4-202x, Safety Requirements for Job-Made Wooden Ladders (revision of ANSI A14.4-2018)
This safety standard prescribes minimum requirements and recommendations for the construction, design, installation, and use of job-made wooden ladders in order to minimize personal injuries. This standard does not cover portable manufactured ladders, permanent fixed ladders, or mobile-equipment ladders. The purpose of this standard is to provide reasonable safety for life and limb during any construction or demolition operation where conditions are not practical or do not permit the erection of temporary stairs or ramps. This standard provides a guide for compliance with minimum required specifications for the construction, care, and use of job-made wooden ladders used for temporary access on construction and demolition operations.
Single copy price: Free
Obtain an electronic copy from: www.americanladderinstitute.org
Order from: info@americanladderinstitute.org
Send comments (copy psa@ansi.org) to: info@americanladderinstitute.org

AWWA (American Water Works Association)

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

Revision

BSR/AWWA C217-202x, Microcrystalline Wax and Petrolatum Tape Coating System for Steel Water Pipe and Fittings (revision, redesignation and consolidation of ANSI/AWWA C217-2016, ANSI/AWWA C217a-2017)
This standard establishes minimum requirements for microcrystalline wax and petrolatum tape coating systems for steel water pipe and fittings.
Single copy price: Free
Obtain an electronic copy from: ETSsupport@awwa.org
Order from: Vicki David; vdavid@awwa.org
Send comments (copy psa@ansi.org) to: Paul Olson; polson@awwa.org

Comment Deadline: November 28, 2022

CSA (CSA America Standards Inc.)

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

Addenda

BSR/CSA NGV 6.1-202x, Compressed natural gas (CNG) fuel storage and delivery systems for road vehicles (addenda to ANSI/CSA NGV 6.1-2021)
Standard for the design, installation, inspection, repair, and maintenance of the fuel storage and delivery system installed in on-road vehicles for use with compressed natural gas (CNG). This includes fuel systems on self-propelled vehicles for the provision of motive power. This standard does not apply to (a) stationary engines; (b) mobile equipment using natural gas as a fuel for other than propulsion; or (c) electronic components or controls strategy of a fuel management system.
Single copy price: Free
Obtain an electronic copy from: ansi.contact@csagroup.org
Order from: Debbie Chesnik; ansi.contact@csagroup.org
Send comments (copy psa@ansi.org) to: ansi.contact@csagroup.org

ESTA (Entertainment Services and Technology Association)

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

New Standard

BSR/E1.20-202x, Entertainment Technology - Remote Device Management over USITT DMX512 Networks (new standard)
The existing E1.20-2010, Entertainment Technology - Remote Device Management over USITT DMX512 Networks, is being revised to clarify ambiguities, fix bugs, and incorporate some additional features. E1.20 is an extension to USITT DMX512 and ANSI E1.11 that allows for bi-directional communication on the primary data link. This allows a controller to discover RDM-enabled devices on the link, to set starting addresses and other configuration settings, and to request status messages. The project also is to reinstate E1.20 as an American National Standard. It has lost that status due to being over-age.
Single copy price: Free
Obtain an electronic copy from: https://tsp.esta.org/tsp/documents/public_review_docs.php
Order from: standards@esta.org
Send comments (copy psa@ansi.org) 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

New Standard

BSR/E1.37-5-202x, General Purpose Messages for E1.20, RDM (new standard)
This part of the E1.37 suite is to provide additional Get/Set parameter messages (PIDs) for use with the E1.20 Remote Device Management protocol.
Single copy price: Free
Obtain an electronic copy from: https://tsp.esta.org/tsp/documents/public_review_docs.php
Order from: standards@esta.org
Send comments (copy psa@ansi.org) to: standards@esta.org

Comment Deadline: November 28, 2022

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/E1.59-202x, Entertainment Technology - Object Transform Protocol (OTP) (revision of ANSI E1.59-2021)
BSR E1.59 describes a mechanism to transfer object transform information such as position, orientation, and velocity over an IP network using a subset of the ACN protocol suite. It covers data format, data protocol, data addressing, and network management. Data transmitted is intended to coordinate visual and audio elements of a production. The existing standard is being revised to include new modules for video camera metadata.
Single copy price: Free
Obtain an electronic copy from: https://tsp.esta.org/tsp/documents/public_review_docs.php
Order from: standards@esta.org
Send comments (copy psa@ansi.org) to: standards@esta.org

HPS (ASC N13) (Health Physics Society)

950 Herndon Parkway, Suite 450, Herndon, VA 20170 | awride-graney@burkinc.com, www.hps.org

Revision

BSR HPS N13.11-202x, Personnel Dosimetry Performance - Criteria for Testing (revision and redesignation of ANSI N13.11-2009 (R2015))
This standard applies to dosimetry systems used to determine personal dose equivalent for occupational conditions and absorbed dose for accident conditions. Tests are conducted under controlled conditions and include irradiation with photons, beta particles, neutrons, and selected mixtures of these radiations. The range of delivered absorbed doses or personal dose equivalents and tolerance levels are based on considerations of radiation protection expressed in current publications of the National Council on Radiation Protection and Measurements (NCRP), the International Commission on Radiation Units and Measurements (ICRU), and the International Commission on Radiological Protection (ICRP). Organizations should be tested in those categories which best represent the dosimetry services they provide or use. The tests outlined in this standard may be used to test the suppliers of dosimetry services (Processors).
Single copy price: $70.00
Obtain an electronic copy from: awride-graney@burkinc.com
Send comments (copy psa@ansi.org) to: awride-graney@burkinc.com

IES (Illuminating Engineering Society)

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

Revision

BSR/IES RP-37-202x, Recommended Practice: Lighting Airport Environments (revision of ANSI/IES RP-37-2020)
Planning and design of lighting systems in the entire airport outdoor environment. This revision includes Heliport and Vertiport sections.
Single copy price: $25.00
Obtain an electronic copy from: pmcgillicuddy@ies.org
Send comments (copy psa@ansi.org) to: pmcgillicuddy@ies.org

Comment Deadline: November 28, 2022

IES (Illuminating Engineering Society)

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

Revision

BSR/IES TM-33-202x, Technical Memorandum: Standard Format for the Electronic Transfer of Luminaire Optical Data (revision of ANSI/IES TM-33-2018)
This revision includes updated normative references, revisions to Angular Color Element and Sample Luminous XML Document; miscellaneous revisions to Symmetry Elements, mathematical notes, radian intensity element, absolute element, symmetry types, muiltiplier elements, and more.
Single copy price: $25.00
Obtain an electronic copy from: pmcgillicuddy@ies.org
Send comments (copy psa@ansi.org) to: pmcgillicuddy@ies.org

NEMA (ASC C37) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 1752, Arlington, VA 22209 | brian.marchionini@nema.org, www.nema.org

Revision

BSR C37.54-202X, Standard for Alternating Current High-Voltage Circuit Breakers Applied in Metal-Enclosed Switchgear - Conformance Test Procedures (revision of ANSI C37.54-2003 (R2020))
When conformance tests are required, this standard specifies tests to demonstrate that the circuit breaker being tested conforms with the requirements and ratings defined in accordance with ANSI/IEEE C37.04. The preferred ratings listed are designated values but are not to be considered restrictive; however, the requirements given are restrictive. Conformance testing may be performed in conjunction with the basic design testing, if agreeable to those concerned; however, conformance testing is more likely to be performed to satisfy a special need, sometime after original development. As a requirement of conformance testing, the circuit breaker shall have completed the design testing requirements of ANSI/IEEE C37.09. If ANSI/IEEE C37.09 tests have not been previously performed, the tests required by ANSI/IEEE C37.09 beyond tests described by this standard may be performed concurrently with conformance testing...
Single copy price: Free
Obtain an electronic copy from: brian.marchionini@nema.org
Order from: brian.marchionini@nema.org
Send comments (copy psa@ansi.org) to: Same

NFRC (National Fenestration Rating Council)

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | jpadgett@nfrc.org, www.nfrc.org

Revision

BSR/NFRC 100-202x (E0A2), Procedure for Determining Fenestration Product U-factors (revision and redesignation of ANSI/NFRC 100-2020 (E0A1))
This standard specifies a method for determining fenestration product U-factor (thermal transmittance).
Single copy price: Free
Obtain an electronic copy from: standards@nfrc.org
Order from: N/A
Send comments (copy psa@ansi.org) to: standards@nfrc.org

Comment Deadline: November 28, 2022

NFRC (National Fenestration Rating Council)

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | jpadgett@nfrc.org, www.nfrc.org

Revision

BSR/NFRC 200-202x (E0A2), Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence (revision of ANSI/NFRC 200-2020 (E0A1))
To specify a method for calculating solar heat gain coefficient (SHGC) and visible transmittance (VT) at normal (perpendicular) incidence for fenestration products containing glazings or glazing with applied films, with specular optical properties calculated in accordance with ISO 15099 (except where noted) or tested in accordance with NFRC 201, NFRC 202, and NFRC 203.
Single copy price: Free
Obtain an electronic copy from: standards@nfrc.org
Order from: N/A
Send comments (copy psa@ansi.org) to: standards@nfrc.org

NFRC (National Fenestration Rating Council)

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | jpadgett@nfrc.org, www.nfrc.org

Revision

BSR/NFRC 202-202x (E0A2), Procedure for Determining Translucent Fenestration Product Visible Transmittance at Normal Incidence (revision of ANSI/NFRC 202-2020 (E0A1))
To specify a test method for translucent panels to determine the visible transmittance (VTcog) at normal (perpendicular) incidence in accordance with ASTM E972 and ASTM E1084 (except where noted).
Single copy price: Free
Obtain an electronic copy from: standards@nfrc.org
Order from: N/A
Send comments (copy psa@ansi.org) to: standards@nfrc.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

Revision

BSR/NSF 42-202x (i117r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2021)
The point-of-use (POU) and point-of-entry (POE) systems addressed by this Standard are designed to be used for the reduction of specific substances that may be present in drinking water (public or private) considered to be microbiologically safe and of known quality. Systems covered under this Standard are intended to address one or more of the following: reduce substances affecting the aesthetic quality of the water, add chemicals for scale control, or limit microbial growth in the system (bacteriostatic). Substances may be soluble or particulate in nature. It is recognized that a system may be effective in controlling one or more of these substances but is not required to contro all. Systems with manufacturer claims that include components or functions covered under other NSF or NSF/ANSI Standards or Criteria shall conform to the applicable requirements therein. Filter systems covered by this Standard are not intended to be used with drinking water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/66523/42i117r1%20et%20al%20-%20JC%20Memo%20&%20Ballot.pdf
Send comments (copy psa@ansi.org) to: mmilla@nsf.org

Comment Deadline: November 28, 2022

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

Revision

BSR/NSF 44-202x (i47r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2021)
The manual, auto-initiated, and demand-initiated regeneration (DIR) residential cation exchange water softeners addressed by this Standard are designed for the reduction of specific substances that may be present in drinking water (public or private) considered to be microbiologically safe and of known quality. Systems covered under this standard are intended to reduce hardness affecting the aesthetic quality of water. The established health hazards, barium and radium, are optional performance claims addressed by this Standard. Systems with manufacturer claims that include components or functions covered under other NSF or NSF/ANSI Standards or Criteria shall conform to the applicable requirements therein. Systems covered by this Standard are not intended to be used with drinking water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/66523/42i117r1%20et%20al%20-%20JC%20Memo%20&%20Ballot.pdf
Send comments (copy psa@ansi.org) to: mmilla@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

Revision

BSR/NSF 53-202x (i133r1), Drinking Water Treatment Units - Health Affects (revision of ANSI/NSF 53-2021)
It is the purpose of this Standard to establish minimum requirements for materials, design and construction, and performance of point-of-use and point-of-entry drinking water treatment systems that are designed to reduce specific health-related contaminants in public or private water supplies. Such systems include point-of-entry drinking water treatment systems used to treat all or part of the water at the inlet to a residential facility or a bottled-water production facility, and includes the material and components used in these systems. This Standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners, as well as the minimum service-related obligations that the manufacturer shall extend to system owners.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/66523/42i117r1%20et%20al%20-%20JC%20Memo%20&%20Ballot.pdf
Send comments (copy psa@ansi.org) to: mmilla@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

Revision

BSR/NSF 55-202x (i56r1), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2021)
This standard covers UV microbiological water treatment systems and components for point-of-use (POU) and point-of-entry (POE) applications. This standard covers systems which use UV radiation within the range of 240 nm to 300 nm, inclusive.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/66523/42i117r1%20et%20al%20-%20JC%20Memo%20&%20Ballot.pdf
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Comment Deadline: November 28, 2022

NSF (NSF International)

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Revision

BSR/NSF 58-202x (i94r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2021)
The purpose of this Standard is to establish minimum requirements for materials, design and construction, and performance of reverse osmosis drinking water treatment systems. This Standard also specifies the minimum product literature that manufacturers shall supply to authorized representatives and owners, as well as the minimum service-related obligations that manufacturers shall extend to system owners.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/66523/42i117r1%20et%20al%20-%20JC%20Memo%20&%20Ballot.pdf
Send comments (copy psa@ansi.org) to: mmilla@nsf.org

NSF (NSF International)

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Revision

BSR/NSF 62-202x (i41r1), Drinking Water Distillation Systems (revision of ANSI/NSF 62-2021)
This standard establishes minimum materials, design and construction, and performance requirements for point-of-use and point-of-entry drinking water distillation systems and the components used in these systems. Distillation systems covered by this standard are designed to reduce specific chemical contaminants from potable drinking water supplies. Systems covered under this standard may also be designed to reduce microbiological contaminants, including bacteria, viruses, and cysts, from potable drinking water supplies. It is recognized that a system may be effective in controlling one or more of these contaminants, but systems are not required to control all.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/66523/42i117r1%20et%20al%20-%20JC%20Memo%20&%20Ballot.pdf
Send comments (copy psa@ansi.org) to: mmilla@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

Revision

BSR/NSF 244-202x (i16r1), Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2021)
The point-of-use (POU) and point-of-entry (POE) systems addressed by this Standard are designed to be used for the supplemental microbial control of specific organisms that may occasionally be present in drinking water (public or private) because of intermittent incursions. Certain of these specific organisms that may be introduced into the drinking water are considered established or potential health hazards. This Standard establishes requirements for POU and POE drinking water treatment systems, and the materials and components used in these systems.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/66523/42i117r1%20et%20al%20-%20JC%20Memo%20&%20Ballot.pdf
Send comments (copy psa@ansi.org) to: mmilla@nsf.org

Comment Deadline: November 28, 2022

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789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

Revision

BSR/NSF 401-202x (i23r1), Drinking Water Treatment Units - Emerging Compounds/Incidental Contaminants (revision of ANSI/NSF 401-2021)
It is the purpose of this Standard to establish minimum requirements for materials, design and construction, and performance of drinking water treatment systems that are designed to reduce specific emerging compounds/incidental contaminants in public or private water supplies, such as pharmaceutical, personal care products, and endocrine-disrupting compounds. This Standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners as well as the minimum service-related obligations that the manufacturer shall extend to system owners.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/66523/42i117r1%20et%20al%20-%20JC%20Memo%20&%20Ballot.pdf
Send comments (copy psa@ansi.org) to: mmilla@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF/CAN 600-202x (i7r1), Health Effects Evaluation and Criteria for Chemicals in Drinking Water (revision of ANSI/NSF/CAN 600-2021)
The Standard defines the toxicological review and evaluation procedures for the evaluation of substances imparted to drinking water through contact with drinking water system components (and drinking water additives). It is intended to establish the human health risk, if any, of the substances imparted to drinking water under the anticipated use conditions of the product. Table 4.1 of this Standard contains evaluation criteria that have been determined according to the requirements of this Standard.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/66509/600i7r1%20-%20JC%20memo%20&%20ballot.pdf
Send comments (copy psa@ansi.org) to: mleslie@nsf.org

SCTE (Society of Cable Telecommunications Engineers)

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

Revision

BSR/SCTE 241-202x, Key Performance Metrics: Energy Efficiency & Functional Density of Wi-Fi Infrastructure Equipment (revision of ANSI/SCTE 241-2017)
Cable operator networks are large expansive networks that involve hundreds if not thousands of miles of coaxial or fiber cable, powered by power supplies in the outside plant, and connecting customers to critical infrastructure facilities such as hubs, headends, data centers, and regional and national distribution datacenters. In these facilities is a vast array of equipment responsible for the production and support of the cable operator's products and services such as voice, video, data, home automation and security, and Wi-Fi. The importance of powering all of these devices in the critical facilities is ever increasing as the customer expectation is for 100% availability due to the critical nature of the services being provided to business and residential customers.
Single copy price: $50.00
Obtain an electronic copy from: admin@standards.scte.org
Order from: global engineering documents
Send comments (copy psa@ansi.org) to: admin@standards.scte.org

Comment Deadline: November 28, 2022

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 275-2013 (R202x), Standard for Automotive Glass-Tube Fuses (reaffirmation of ANSI/UL 275-2013 (R2017))
(1) Reaffirmation and continuance of the tenth edition of the Standard for Automotive Glass-Tube Fuses, UL 275, as ar American National Standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: https://www.shopulstandards.com/
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area https://csds.ul.com/Home/ProposalsDefault.aspx

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 2021-2021 (R202x), Standard for Safety for Flame Arresters (reaffirmation of ANSI/UL 2021-2021)
Reaffirmation of the 8th edition of UL 525, Standard for Safety for Flame Arresters. UL 525 covers: 1.1 These requirements cover tank vent deflagration flame arresters and in-line detonation flame arresters. 1.2 The requirements for tank vent deflagration flame arresters cover arresters for use on vents of storage tanks for petroleun oil and gasoline. These flame arresters are intended to prevent propagation of flame into the storage tank. Combination flame arrester-vent valves are also covered. 1.3 The requirements for in-line detonation flame arresters cover arresters for use in piping systems containing flammable vapors and gases in mixture with air. These flame arresters are unidirectional or bidirectional and are intended to prevent the transmission of detonation and deflagration.
Single copy price: Free
Obtain an electronic copy from: shopULstandards.com or https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: shopULstandards.com or https://csds.ul.com/Home/ProposalsDefault.aspx
Send comments (copy psa@ansi.org) to: Jeff Prusko, jeffrey.prusko@ul.org

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 60079-11-2018 (R202x), Safety for Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety "i" (reaffirm a national adoption ANSI/UL 60079-11-2018)
(1) Reaffirmation and continuance of the sixth Edition of the Standard for Safety for Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety "i", UL 60079-11, as an American National Standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: https://www.shopulstandards.com/
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx.

Comment Deadline: November 28, 2022

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Annabelle.Hollen@ul.org, https://ul.org/

Revision

BSR/UL 752-202x, Standard for Bullet-Resisting Equipment (revision of ANSI/UL 752-2006 (R2021))
These requirements cover materials, devices, and fixtures used to form bullet-resisting barriers which protect against robbery, holdup, or armed attack such as those by snipers. This standard can also be used to determine the bullet resistance of building components that do not fit the definition of equipment, such as windows, walls, or barriers made out of bullet-resistant materials. This standard does not address personal protective equipment, such as body armor, helmets, and shields. As used in these requirements, the term "bullet-resisting" signifies that protection is provided against complete penetration, passage of fragments of projectiles, or spalling (fragmentation) of the protective material to the degree that injury would not be caused to a person standing directly behind the bullet-resisting barrier. These requirements also cover electrically operated equipment, such as teller's fixtures using electrically driven deal trays or package passers, and intercommunication or other electrical equipment that is an integral part of the bullet-resisting product. The term "product" as used in this standard refers to all bullet-resisting equipment or any part thereof covered by this standard unless specifically noted otherwise.
Single copy price: Free
Obtain an electronic copy from: Annabelle Hollen, Annabelle.Hollen@ul.org, https://csds.ul.com/Home/ProposalsDefault.aspx
Send comments (copy psa@ansi.org) to: Annabelle Hollen, Annabelle.Hollen@ul.org, https://csds.ul.com/Home/ProposalsDefault.aspx

VITA (VMEbus International Trade Association (VITA))

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

New Standard

BSR/VITA 66.5-202x, Optical Interconnect on VPX - Hybrid Variants (new standard)
This document describes an open standard for configuration and interconnect within the structure of VITA 66.0 enabling an interface compatible with VITA 46.X, containing blind-mate optical connectors with fixed contacts on the Plug-In Module and floating displacement on the Backplane.
Single copy price: $25.00
Obtain an electronic copy from: admin@vita.com
Send comments (copy psa@ansi.org) to: admin@vita.com

Comment Deadline: December 13, 2022

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 BPVC Section IX-202x, Welding, Brazing and Fusing Qualifications (revision of ANSI/ASME BPVC Section IX -2021)
Section IX of the ASME Boiler and Pressure Vessel Code relates to the qualification of welders, welding operators, brazers, brazing operators, and fusing operators, and the procedures employed in welding, brazing, or plastic fusing in accordance with the ASME Boiler and Pressure Vessel Code and the ASME B31 Code for Pressure Piping.
Single copy price: Free
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Ray Rahaman; rahamanr@asme.org

Comment Deadline: December 13, 2022

CAAS (Commission on Accreditation of Ambulance Services)

1926 Waukegan Road, Suite 300, Glenview, IL 60025 | marciem@tcag.com, www.caas.org

New Standard

BSR/CAAS v4.0-202x, CAAS Standards Version 4.0 (new standard)
CAAS Standards Version 4.0 is designed to provide administrative and operational guidelines for the entire Emergency Medical Services (EMS)/ground ambulance transportation industry. It establishes standardized administrative and operational requirements in the areas of organizational management, inter-agency relations, general management, financial management, community relations, public affairs, human resources, clinical standards, safe operations, managing risk, equipment, vehicles, facilities and communications centers, specialty care transports, and special response programs.
Single copy price: Free
Obtain an electronic copy from: https://www.caas.org/caas-v4-0-accreditation-standards-second-public-comment/
Send comments (copy psa@ansi.org) to: https://www.caas.org/caas-v4-0-accreditation-standards-second-public-comment/

Technical Reports Registered with ANSI

Technical Reports Registered with ANSI are not consensus documents. Rather, all material contained in Technical Reports Registered with ANSI is informational in nature. Technical reports may include, for example, reports of technical research, tutorials, factual data obtained from a survey carried out among standards developers and/or national bodies, or information on the "state of the art" in relation to standards of national or international bodies on a particular subject. Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to (psa@ansi.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

New Technical Report

INCITS/ISO/IEC TR 5895:2022 [2022], Cybersecurity - Multi-party coordinated vulnerability disclosure and handling (technical report)
Clarifies and increases the application and implementation of ISO/IEC 30111 and ISO/IEC 29147 in multi-party coordinated vulnerability disclosure (MPCVD) settings, including the evolving commonly adopted practices in this area, by articulating: The MPCVD life cycle and application of coordinated vulnerability disclosure (CVD) stages (preparation, receipt, verification, remediation development, release, post-release) in MPCVD settings. Stakeholders involved in MPCVD include users, vendors (coordinating, mitigating, and dependent vendors), reporters, and non-vendor coordinators (entities defined in ISO/IEC 29147 and ISO/IEC 30111). The exchange of information between stakeholders during the vulnerability handling and disclosure process in a MPCVD settings. Clarifying the application of ISO/IEC 30111 and ISO/IEC 29147 in MPCVD settings illustrates the benefits of vulnerability disclosure processes.
Single copy price: $56.00
Order from: https://webstore.ansi.org/

Project Withdrawn

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

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 | burklek@api.org, www.api.org

BSR/API Standard 4590-202x, Pneumatic Controllers (new standard)
Inquiries may be directed to Katie Burkle; burklek@api.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

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

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Suite 1100, Washington, DC 20001-5571 | pintoi@api.org, www.api.org

ANSI/API Spec 17D, 2nd Ed/ISO 13628-4-2011, Specification for Subsea Wellhead and Christmas Tree Equipment
Direct inquiries to: Ivan Pinto; pintoi@api.org

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Suite 1100, Washington, DC 20001-5571 | pintoi@api.org, www.api.org

ANSI/API Spec 17D, 2nd Ed/ISO 13628-4 (Addenda)-2015, Design and Operations of Subsea Production Systems - Subsea Wellhead and Tree Equipment
Direct inquiries to: Ivan Pinto; pintoi@api.org

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Suite 1100, Washington, DC 20001-5571 | pintoi@api.org, www.api.org

ANSI/API Spec 17D, 2nd Ed/ISO 13628-4 (Addenda 2)-2020, Design and Operations of Subsea Production Systems - Subsea Wellhead and Tree Equipment
Direct inquiries to: Ivan Pinto; pintoi@api.org

Final Actions on American National Standards

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

AAFS (American Academy of Forensic Sciences)

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

New Standard

ANSI/ASB BPR 107-2022, Best Practice Recommendation for Measuring Trigger Pull of a Firearm and Estimating Its Uncertainty (new standard) Final Action Date: 10/4/2022

New Standard

ANSI/ASB BPR 114-2022, Best Practice Recommendations for Internal Validation of Software used in Forensic DNA Laboratories (new standard) Final Action Date: 10/4/2022

New Standard

ANSI/ASB Std 070-2022, Standard for Examination of Handwritten Items (new standard) Final Action Date: 10/4/2022

New Standard

ANSI/ASB Std 127-2022, Standard for the Preservation and Examination of Charred Documents (new standard) Final Action Date: 10/4/2022

New Standard

ANSI/ASB Std 128-2022, Standard for the Preservation and Examination of Liquid Soaked Documents (new standard) Final Action Date: 10/4/2022

ANS (American Nuclear Society)

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

Revision

ANSI/ANS 19.3-2022, Steady-State Neutronics Methods for Power Reactor Analysis (revision of ANSI/ANS 19.3 -2011 (R2017)) Final Action Date: 10/6/2022

ASTM (ASTM International)

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

New Standard

ANSI/ASTM F3419-2022, Test Method for Mineral Characterization of Equine Surface Materials by X-Ray Diffraction (XRD) Techniques (new standard) Final Action Date: 9/20/2022

Reaffirmation

ANSI/ASTM F1888-2009 (R2022), Test Method for Compression-Displacement of Baseballs and Softballs (reaffirmation of ANSI/ASTM F1888-2014 (R2016)) Final Action Date: 9/20/2022

Reaffirmation

ANSI/ASTM F1890-2017 (R2022), Test Method for Measuring Softball and Baseball Bat Performance Factor (reaffirmation of ANSI/ASTM F1890-2017) Final Action Date: 9/20/2022

Reaffirmation

ANSI/ASTM F2184-2010 (R2022), Guide for Installation of Paintball Barrier Netting (reaffirmation of ANSI/ASTM F2184-2010 (R2018)) Final Action Date: 9/20/2022

ASTM (ASTM International)

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

Reaffirmation

ANSI/ASTM F2573-2006 (R2022), Specification for Low Velocity Resilient Material Projectile (reaffirmation of ANSI/ASTM F2573-2006 (R2018)) Final Action Date: 9/20/2022

Reaffirmation

ANSI/ASTM F2574-2006 (R2022), Specification for Low Velocity Projectile Marker (reaffirmation of ANSI/ASTM F2574-2006 (R2018)) Final Action Date: 9/20/2022

Reaffirmation

ANSI/ASTM F3085-2014 (R2022), Specification for Air Soft Gun Barrel Blocking Devices (reaffirmation of ANSI/ASTM F3085-2014 (R2018)) Final Action Date: 9/20/2022

Revision

ANSI/ASTM D4551-2022, Specification for Poly(Vinyl Chloride) (PVC) Plastic Flexible Concealed Water-Containment Membrane (revision of ANSI/ASTM D4551-2017) Final Action Date: 9/20/2022

Revision

ANSI/ASTM E136-2022, Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750C (revision of ANSI/ASTM E136-2019) Final Action Date: 10/1/2022

Revision

ANSI/ASTM E230-2022, Specification for Temperature-Electromotive Force (emf) Tables for Standardized Thermocouples (revision of ANSI/ASTM E230-2017) Final Action Date: 10/1/2022

Revision

ANSI/ASTM F1960-2022, Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F1960 -2021) Final Action Date: 10/1/2022

Revision

ANSI/ASTM F1970-2022, Specification for Special Engineered Fittings, Appurtenances or Valves for Use in Poly (Vinyl Chloride) (PVC) or Chlorinated Poly(Vinyl Chloride) (CPVC) Systems (revision of ANSI/ASTM F1970-2019) Final Action Date: 9/20/2022

Revision

ANSI/ASTM F2160-2022a, Specification for Solid Wall High Density Polyethylene (HDPE) Conduit Based on Controlled Outside Diameter (OD) (revision of ANSI/ASTM F2160-2022) Final Action Date: 9/20/2022

AWS (American Welding Society)

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

Reaffirmation

ANSI/AWS A9.5-2013 (R2023), Guide for Verification and Validation in Computation Weld Mechanics (reaffirmation of ANSI/AWS A9.5-2012) Final Action Date: 10/6/2022

Revision

ANSI/AWS C1.1M/C1.1-2022-AMD1, Recommended Practices for Resistance Welding (revision of ANSI/AWS C1.1M/C1.1-2019) Final Action Date: 10/6/2022

AWWA (American Water Works Association)

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

New Standard

ANSI/AWWA C232-2022, Viscoelastic Coatings for Steel Water Pipe and Fittings (new standard) Final Action Date: 10/7/2022

Revision

ANSI/AWWA C208-2022, Dimensions for Fabricated Steel Water Pipe Fittings (revision of ANSI/AWWA C208 -2017) Final Action Date: 10/7/2022

Revision

ANSI/AWWA C707-2022, Encoder-Type Remote-Registration Systems for Cold-Water Meters (revision of ANSI/AWWA C707-2010 (R2015)) Final Action Date: 10/4/2022

Revision

ANSI/AWWA C104/A21.4-2022, Cement-Mortar Lining of Ductile-Iron Pipe and Fittings (revision of ANSI/AWWA C104/A21.4-2016) Final Action Date: 10/4/2022

CSA (CSA America Standards Inc.)

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

Reaffirmation

ANSI Z21.103-2017 (R2022), Unvented portable type gas camp heaters for indoor and outdoor use (same as CSA Z21.103) (reaffirmation of ANSI Z21.103-2017) Final Action Date: 10/6/2022

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

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

Revision

ANSI/ASSE 1087-2022, Performance Requirements for Commercial and Food Service Water Treatment Equipment Utilizing Drinking Water (revision of ANSI/ASSE 1087-2018) Final Action Date: 10/4/2022

NSF (NSF International)

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

Revision

ANSI/NSF 40-2022 (i52r2), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2020) Final Action Date: 10/5/2022

Revision

ANSI/NSF 42-2022 (i120r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2021) Final Action Date: 10/3/2022

Revision

ANSI/NSF 46-2022 (i41r1), Evaluation of Components and Devices Used in Wastewater Treatment Systems (revision of ANSI/NSF 46-2021) Final Action Date: 10/3/2022

Revision

ANSI/NSF 49-2022 (i170r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2020) Final Action Date: 10/5/2022

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

Revision

ANSI/NSF 53-2022 (i146r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2021) Final Action Date: 10/3/2022

Revision

ANSI/NSF 55-2022 (i62r1), Ultraviolet Microbiological Drinking Water Treatment Systems (revision of ANSI/NSF 55-2021) Final Action Date: 9/30/2022

Revision

ANSI/NSF 55-2022 (i63r1), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2021) Final Action Date: 10/3/2022

Revision

ANSI/NSF 58-2022 (i100r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58 -2021) Final Action Date: 10/3/2022

Revision

ANSI/NSF 62-2022 (i44r1), Drinking Water Distillation Systems (revision of ANSI/NSF 62-2021) Final Action Date: 10/3/2022

Revision

ANSI/NSF 177-2022 (i12r1), Shower Filtration Systems - Aesthetic Effects (revision of ANSI/NSF 177-2019) Final Action Date: 10/3/2022

Revision

ANSI/NSF 244-2022 (i18r1), Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2021) Final Action Date: 10/3/2022

Revision

ANSI/NSF 244-2022 (i19r1), Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2021) Final Action Date: 9/30/2022

Revision

ANSI/NSF 245-2022 (i33r2), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2020) Final Action Date: 10/5/2022

Revision

ANSI/NSF 350-2022 (i75r2), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2020) Final Action Date: 10/5/2022

Revision

ANSI/NSF 455-2-2022 (i32r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455 -2-2021) Final Action Date: 9/29/2022

Revision

ANSI/NSF 455-2-2022 (i39r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455 -2-2021) Final Action Date: 10/3/2022

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Grayson.Flake@ul.org, https://ul.org/

Reaffirmation

ANSI/UL 985-2018 (R2022), Standard for Household Fire Warning System Units (August 19, 2022) (reaffirmation of ANSI/UL 985-2018) Final Action Date: 10/7/2022

Revision

ANSI/UL 746B-2022a, Standard for Safety for Polymeric Materials - Long Term Property Evaluations (revision of ANSI/UL 746B-2022) Final Action Date: 10/3/2022

Revision

ANSI/UL 796F-2022a, Flexible Materials Interconnect Constructions (revision of ANSI/UL 796F-2022) Final Action Date: 10/4/2022

Revision

ANSI/UL 2034-2022a, Standard for Safety for Single and Multiple Station Carbon Monoxide Alarms (revision of ANSI/UL 2034-2022) Final Action Date: 10/7/2022

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

INCITS Executive Board – ANSI Accredited SDO and US TAG to ISO/IEC JTC 1, Information Technology

The InterNational Committee for Information Technology Standards (INCITS), an ANSI accredited SDO, is the forum of choice for information technology developers, producers and users for the creation and maintenance of formal de jure IT standards. INCITS' mission is to promote the effective use of Information and Communication Technology through standardization in a way that balances the interests of all stakeholders and increases the global competitiveness of the member organizations.

The INCITS Executive Board serves as the consensus body with oversight of its 40+ Technical Committees. Additionally, the INCITS Executive Board has the international leadership role as the US Technical Advisory Group (TAG) to ISO/IEC JTC 1, Information Technology.

Membership in the INCITS Executive Board is open to all directly and materially interested parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at jgarner@itic.org or visit http://www.incits.org/participation/membership-info for more information.
Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following underrepresented categories:

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.
SCTE is currently seeking to broaden the membership base of its ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.
Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures.
More information is available at www.scte.org or by e-mail from standards@scte.org.

Call for Members (ANS Consensus Bodies)

ANSI Accredited Standards Developer

NFPA - National Fire Protection Association

Reply by December 16, 2022

Call for members NEC Code-Making Panels 2 and 6. Reply by December 16, 2022.

NEC Code-Making Panel 2 (NEC-P02)
The NEC Code Making Panel 2 is responsible for requirements of the National Electrical Code® (NFPA 70®) in Article 210, Article 220 Parts I through V, and Annex D (ex D1-D6). We are currently seeking professional individuals interested to participate on the Code Making Panel with expertise in the panel's scope. Specifically, NFPA is seeking individuals classified as Enforcer, Installer/Maintainer, Research & Testing, and User.
Qualified individuals interested in consideration for appointment to CMP 2 are encouraged to submit an online application (NEC-P02).

NEC Code-Making Panel 6 (NEC-P06)
The NEC Code Making Panel 6 is responsible for requirements of the National Electrical Code® (NFPA 70®) in Articles 310, 315, 320, 322, 324, 326, 330, 332, 334, 336, 337, 338, 340, 382, 394, 395, 396, 398, 400, and 402; Chapter 9; Annexes B and E; and Annex D (ex D7). We are currently seeking professional individuals interested to participate on the Code Making Panel with expertise in the panel's scope. Specifically, NFPA is seeking individuals classified as Enforcer, Installer/Maintainer, and User.
Qualified individuals interested in consideration for appointment to CMP 6 are encouraged to submit an online application (NEC-P06).

ABYC (American Boat and Yacht Council)

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

BSR/ABYC A-22-202x, Compressed Natural Gas (CNG) Systems (revision of ANSI/ABYC A-22-2018)

ABYC (American Boat and Yacht Council)

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

BSR/ABYC A-26-202x, LPG and CNG Fueled Appliances (revision of ANSI/ABYC A-26-2018)

ABYC (American Boat and Yacht Council)

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

BSR/ABYC H-32-202x, Ventilation of Boats Using Diesel Fuel (revision of ANSI/ABYC H-32-2013 (R2018))

ABYC (American Boat and Yacht Council)

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

BSR/ABYC P-17-202x, Manual and Assisted Mechanical Steering Systems (revision of ANSI/ABYC P-17-2018)

ABYC (American Boat and Yacht Council)

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

BSR/ABYC P-22-202x, Steering Wheels (revision of ANSI/ABYC P-22-2018)

Call for Members (ANS Consensus Bodies)

ABYC (American Boat and Yacht Council)

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

BSR/ABYC P-28-202x, Electric/Electronic Control Systems for Propulsion and Steering (revision of ANSI/ABYC P-28 -2020)

ABYC (American Boat and Yacht Council)

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

BSR/ABYC S-33-202x, On-Water Engine Emissions Testing (revision of ANSI/ABYC S-33-2020)

ASA (ASC S12) (Acoustical Society of America)

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

BSR/ASA S12.42-202x, Microphone-In-Real-Ear and Acoustic Test Fixture Methods for the Measurement of Insertion Loss of Hearing Protection Devices (revision of ANSI/ASA S12.42-2010 (R2020))

ASA (ASC S2) (Acoustical Society of America)

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

BSR S2.75-202x/Part 2, Shaft Alignment Methodology, Part 2: Vocabulary (revision of ANSI/ASA S2.75-2017/Part 2 (R2020))

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE S613-1.1 MONYEAR-202x, Tractors and Self-Propelled Machinery for Agriculture - Air Quality Systems for Cabs - Part 1: Terminology and Overview (revision and redesignation of ANSI/ASABE S613-1-FEB2009 (R2018))

ASME (American Society of Mechanical Engineers)

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

BSR/ASME BPVC Section IX-202x, Welding, Brazing and Fusing Qualifications (revision of ANSI/ASME BPVC Section IX-2021)

ASSP (ASC A10) (American Society of Safety Professionals)

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

BSR/ASSP A10.25-202X, Sanitation in Construction (revision and redesignation of ANSI/ASSE A10.25-2017)

CTA (Consumer Technology Association)

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

BSR/CTA 2107-202x, The Use of Artificial Intelligence in Health Care: Managing, Characterizing, and Safeguarding Data (new standard)
CTA is seeking new members to join the consensus body to participate in the effort to create CTA-2107. CTA and the R13 Artificial Intelligence Committee are particularly interested in adding new members (called "users" who acquire AI from those who create them) as well as those with a general interest.

Call for Members (ANS Consensus Bodies)

ESTA (Entertainment Services and Technology Association)

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

BSR/E1.78-202x, Weapons Safety in Entertainment Production (new standard)

IES (Illuminating Engineering Society)

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

BSR/IES RP-37-202x, Recommended Practice: Lighting Airport Environments (revision of ANSI/IES RP-37-2020)

IES (Illuminating Engineering Society)

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

BSR/IES TM-33-202x, Technical Memorandum: Standard Format for the Electronic Transfer of Luminaire Optical Data (revision of ANSI/IES TM-33-2018)

NASBLA (National Association of State Boating Law Administrators)

1020 Monarch Street, Suite 200, Lexington, KY 40513 | Kaci.christopher@nasbla.org, www.nasbla.org

BSR/NASBLA 500-202x, Investigative Training for Boating Incidents (new standard)

NEMA (ASC C37) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 1752, Arlington, VA 22209 | brian.marchionini@nema.org, www.nema.org

BSR C37.54-202X, Standard for Alternating Current High-Voltage Circuit Breakers Applied in Metal-Enclosed Switchgear - Conformance Test Procedures (revision of ANSI C37.54-2003 (R2020))

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

BSR/NSF 42-202x (i117r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2021)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

BSR/NSF 44-202x (i47r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2021)

NSF (NSF International)

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

BSR/NSF 50-202x (i196r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2021)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

BSR/NSF 53-202x (i133r1), Drinking Water Treatment Units - Health Affects (revision of ANSI/NSF 53-2021)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

BSR/NSF 55-202x (i56r1), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2021)

Call for Members (ANS Consensus Bodies)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

BSR/NSF 58-202x (i94r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2021)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

BSR/NSF 62-202x (i41r1), Drinking Water Distillation Systems (revision of ANSI/NSF 62-2021)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

BSR/NSF 244-202x (i16r1), Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2021)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

BSR/NSF 244-202x (i20r2), Supplemental Microbiological Water Treatment Systems -Filtration (revision of ANSI/NSF 244-2021)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

BSR/NSF 401-202x (i23r1), Drinking Water Treatment Units - Emerging Compounds/Incidental Contaminants (revision of ANSI/NSF 401-2021)

NSF (NSF International)

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

BSR/NSF 455-2-202x (i44r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2021)

NSF (NSF International)

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

BSR/NSF 455-2-202x (i45r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2021)

NSF (NSF International)

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

BSR/NSF 455-2-202x (i49r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2021)

NSF (NSF International)

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

BSR/NSF/CAN 50-202x (i195r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2021)

Call for Members (ANS Consensus Bodies)

NSF (NSF International)

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

BSR/NSF/CAN 600-202x (i7r1), Health Effects Evaluation and Criteria for Chemicals in Drinking Water (revision of ANSI/NSF/CAN 600-2021)

NW&RA (ASC Z245) (National Waste & Recycling Association)

1550 Crystal Drive, Suite #804, Arlington, VA 22202 | ksander@wasterecycling.org, www.wasterecycling.org

BSR Z245.1-202x, Mobile Wastes and Recyclable Materials Collection, Transportation, and Compaction Equipment Safety Requirements (revision of ANSI Z245.1-2017)

NW&RA (ASC Z245) (National Waste & Recycling Association)

1550 Crystal Drive, Suite #804, Arlington, VA 22202 | ksander@wasterecycling.org, www.wasterecycling.org

BSR Z245.41-202x, Facilities for the Processing of Commingled Recyclable Materials - Safety Requirements (revision of ANSI Z245.41-2015)

TIA (Telecommunications Industry Association)

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

BSR/TIA 568.3-E-1-202x, Optical Fiber Cabling and Components (addenda to ANSI/TIA 568.3-E-2022)

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 66.5-202x, Optical Interconnect on VPX - Hybrid Variants (new standard)

WMMA (ASC 01) (Wood Machinery Manufacturers of America)

2331 Rock Spring Road, Forest Hill, MD 21050 | nikki@wmma.org, www.wmma.org

BSR 01.1-7-202x, Safety Requirements for Table Saws (new standard)

American National Standards (ANS) Announcements

ANSI Accredited Standards Developer

NFPA - National Fire Protection Association

New Standards Development on Cybersecurity Requirements to Protect Against Security Breaches

Submit all comments, in support or opposition, by November 18, 2022

The National Fire Protection Association (NFPA) is considering expanding the development of standards relating to protecting fire and life safety systems from security breaches through cybersecurity requirements. Standards development will address the protection of fire and life safety systems from vulnerability and breaches which can occur without effective cybersecurity measures.
NFPA is seeking comments from all interested organizations and individuals to gauge whether support exists for:
§ The development of standards for cybersecurity requirements to ensure the security of fire alarm and signaling systems;
§ The development of standards for cybersecurity requirements to ensure the security of fire protection systems;
§ The development of standards for cybersecurity requirements for other building systems or specific occupancies.

Specifically, please submit your comments to the following:
1. Are you, or your organization, in favor of the development of a NFPA standards pertaining to cybersecurity related to:
a. Fire alarm systems?
b. Fire signaling systems?
c. Fire protection systems?
d. Other building systems or specified occupancies? (please specify)
2. Please state your reason(s) for supporting or opposing such standards development.
3. Are you or your organization interested in applying for membership on the Technical Committee if the Standards Council initiates development activities on the proposed project?
4. If yes, please submit an application, in addition to your comments in support of the project, online at:
Submit online application*
*Note: Applications being accepted for purposes of documenting applicant interest in committee participation. Acceptance of applications by NFPA does not guaranty or imply the Standards Council will ultimately approve standards development activity on this subject matter.
Please submit all comments, in support or opposition, by **November 18, 2022** to standards development related to cybersecurity of fire protection systems at: stds_admin@nfpa.org.

American National Standards (ANS) Process

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

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

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

• ANSI Essential Requirements: Due process requirements for American National Standards (always current edition): www.ansi.org/essentialrequirements

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

• Accreditation information – for potential developers of American National Standards (ANS): www.ansi.org/sdoaccreditation

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

• Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: www.ansi.org/asd

• American National Standards Key Steps: www.ansi.org/anskeysteps

• American National Standards Value: www.ansi.org/ansvalue

• ANS Web Forms for ANSI-Accredited Standards Developers: https://www.ansi.org/portal/psawebforms/

• Information about standards Incorporated by Reference (IBR): https://ibr.ansi.org/

• ANSI - Education and Training: www.standardslearn.org

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

FM - FM Approvals

Effective October 6, 2022

The reaccreditation of **FM Approvals** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on FM-sponsored American National Standards, effective **October 6, 2022**. For additional information, please contact: Josephine Mahnken, FM Approvals (FM) | 1151 Boston-Providence Turnpike, Norwood, MA 02062 | (781) 255-4813, josephine.mahnken@fmapprovals.com

Approval of Reaccreditation – ASD

MSS - Manufacturers Standardization Society

Effective October 5, 2022

The reaccreditation of **MSS - Manufacturers Standardization Society** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on MSS-sponsored American National Standards, effective **October 5, 2022**. For additional information, please contact: David Thompson, Manufacturers Standardization Society (MSS) | 127 Park Street, NE, Vienna, VA 22180-4602 | (703) 281 -6613, dthompson@msshq.org

Public Review of Revised ASD Operating Procedures

DirectTrust - DirectTrust.org, Inc.

Comment Deadline: November 7, 2022

DirectTrust.org, Inc., an ANSI-Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on DirectTrust-sponsored American National Standards, under which it was originally accredited in 2019. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Stacy Clements, DirectTrust.org, Inc. (DirectTrust) | 1629 K Street NW, Suite 300, Washington, DC 20006 | (706) 781-5518, standards@directtrust.org

To view/download a copy of the revisions during the public review period, click here

Please submit any public comments on the revised procedures to DirectTrust by **November 7, 2022**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

Accreditation Announcements (Standards Developers)

Public Review of Revised ASD Operating Procedures

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

Comment Deadline: November 7, 2022

INCITS, the **InterNational Committee for Information Technology Standards**, has submitted revisions to its currently accredited operating procedures for documenting consensus on ITI/INCITS-sponsored American National Standards, under which it was last reaccredited in 2017. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Lynn Barra, InterNational Committee for Information Technology Standards (ITI (INCITS)) | 700 K Street NW, Suite 600, Washington, DC 20001 | (202) 737 -8888, comments@standards.incits.org

To view/download a copy of the revisions during the public review period, click here

Please submit any public comments on the revised procedures to ITI/INCITS by **November 7, 2022**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

Proposed Revisions to ANSI Essential Requirements

Due process requirements for American National Standards (www.ansi.org/essentialrequriements)

Public Review

ExSC_55_2022 & ExSC_61_2022

Public Comments due November 7, 2022, reply to psa@ansi.org

Two sets of proposed procedural revisions are available for public comment:

1. **Proposed revisions to section *5.0 Normative policies and procedures for ANSI Audited Designators***
The proposed revisions shown in linked document **ExSC_55_2022** (see strikethrough-and-underlined text) are intended to update and clarify the procedural criteria that apply to applications for (and maintenance of) the special status of Audited Designator. An Audited Designator is an ANSI-Accredited Standards Developer (ASD) to whom the ANSI Executive Standards Council (ExSC) has granted the extraordinary authority to designate their standards as American National Standards (ANS) without review and approval by the ANSI Board of Standards Review (BSR).

2. **Proposed revisions to section 4.7.2 Continuous Maintenance (CM) of American National Standards (ANS)**
The proposed revisions shown in linked document **ExSC_61_2022** (see strikethrough-and-underlined text) are intended to eliminate an existing administrative requirement applicable to ANS maintained under Continuous Maintenance (CM) to formally move from CM to Periodic Maintenance (PM) if no revisions or a reaffirmation are approved within 5 years of the last approval. Information about ANS maintained under CM is published and updated routinely as part of a standing announcement in *Standards Action* and on ANSI's website in a folder at www.ansi.org/asd .

Instructions for Submitting Public Review Comments

Public review comments are invited on the revisions shown in strikethrough-and-underline text. Public comments will be made available to the public, with attribution, in the ANSI Online public library within a reasonable time of the close of the public comment deadline. The ANSI Executive Standards Council (ExSC) will consider all timely public comments and provide a written response to commenters after the ExSC's February 2023 meeting.
When submitting public comments, please also include the pertinent line number(s) and suggest alternative text, as appropriate. Public comments are to be submitted to psa@ansi.org. The deadline for filing public comments is **November 7, 2022**.

American National Standards Under Continuous Maintenance

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

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with the procedures contained in the ANSI Essential Requirements.

The Executive Standards Council (ExSC) has determined that for standards maintained under the Continuous Maintenance option, separate PINS announcements are not required. The following ANSI Accredited Standards Developers have formally registered standards under the Continuous Maintenance option.

- AAMI (Association for the Advancement of Medical Instrumentation)
- AARST (American Association of Radon Scientists and Technologists)
- AGA (American Gas Association)
- AGSC (Auto Glass Safety Council)
- ASC X9 (Accredited Standards Committee X9, Incorporated)
- ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
- ASME (American Society of Mechanical Engineers)
- ASTM (ASTM International)
- GBI (Green Building Initiative)
- HL7 (Health Level Seven)
- Home Innovation (Home Innovation Research Labs)
- IES (Illuminating Engineering Society)
- ITI (InterNational Committee for Information Technology Standards)
- MHI (Material Handling Industry)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NEMA (National Electrical Manufacturers Association)
- NFRC (National Fenestration Rating Council)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- PRCA (Professional Ropes Course Association)
- RESNET (Residential Energy Services Network, Inc.)
- SAE (SAE International)
- TCNA (Tile Council of North America)
- TIA (Telecommunications Industry Association)
- ULSE (UL Standards & Engagement)

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

ANSI-Accredited Standards Developers (ASD) Contacts

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

AAFS
American Academy of Forensic Sciences
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www.aafs.org

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ABYC
American Boat and Yacht Council
613 Third Street, Suite 10
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ALI (ASC A14)
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ASA (ASC S2)
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ASME
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ASSP (Safety)
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520 N. Northwest Highway
Park Ridge, IL 60068
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ASTM
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AWWA
American Water Works Association
6666 W. Quincy Avenue
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Paul Olson
polson@awwa.org

CAAS
Commission on Accreditation of Ambulance Services
1926 Waukegan Road, Suite 300
Glenview, IL 60025
www.caas.org

Marcie McGlynn
marciem@tcag.com

CSA
CSA America Standards Inc.
8501 East Pleasant Valley Road
Cleveland, OH 44131
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Debbie Chesnik
ansi.contact@csagroup.org

CTA
Consumer Technology Association
1919 S. Eads Street
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ESTA
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HPS (ASC N13)
Health Physics Society
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Amy Wride-Graney
awride-graney@burkinc.com

IAPMO (ASSE Chapter)
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Mokena, IL 60448
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IES
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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

Agricultural food products (TC 34)

ISO/DIS 11816-1, Milk and milk products - Determination of alkaline phosphatase activity - Part 1: Fluorimetric method for milk and milk-based drinks - 12/26/2022, $62.00

Industrial automation systems and integration (TC 184)

ISO/DIS 16400-2, Automation systems and integration - Equipment behaviour catalogues for virtual production system - Part 2: Formal description of catalogue template - 12/26/2022, $119.00

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

ISO/DIS 13702, Petroleum and natural gas industries - Control and mitigation of fires and explosions on offshore production installations - Requirements and guidelines - 12/25/2022, $134.00

Personal safety - Protective clothing and equipment (TC 94)

ISO/DIS 24588, Protective clothing - Personal protective ensembles for use against chemical, biological, radiological and nuclear (CBRN) agents - Classification, performance requirements and test methods - 12/24/2022, $112.00

Road vehicles (TC 22)

ISO/DIS 12614-20, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 20: Flexible fuel or vent lines - 12/23/2022, $53.00

ISO/DIS 15500-23, Road vehicles - Compressed natural gas (CNG) fuel system components - Part 23: Gas temperature sensor - 12/23/2022, $33.00

Security (TC 292)

ISO/DIS 22388, Security and resilience - Authenticity, integrity and trust for products and documents - Guidelines for securing physical documents - 12/29/2022, $107.00

Ships and marine technology (TC 8)

ISO/DIS 19848, Ships and marine technology - Standard data for shipboard machinery and equipment - 12/26/2022, $165.00

Textiles (TC 38)

ISO/DIS 5533, Textiles - Quantification of carbon fibre constituent element - Elemental analyser method - 12/29/2022, $40.00

ISO/DIS 4484-2.2, Textiles and textile products - Microplastics from textile sources - Part 2: Qualitative and quantitative evaluation of microplastics - 10/17/2022, $134.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO/DIS 18497-4, Agricultural machinery and tractors - Safety of partially automated, semi-autonomous and autonomous machinery - Part 4: Verification methods and validation principles - 12/29/2022, $119.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 22592-2, Office equipment - Print quality measurement methods for colour prints - Part 2: Registration and magnification accuracy - 12/25/2022, $93.00

ISO/IEC DIS 14776-253, Information technology - Small Computer System Interface (SCSI) - Part 253: USB attached SCSI - 3 (UAS-3) - 12/24/2022, $125.00

IEC Standards

69/864/CDV, ISO 15118-2 ED2: Road vehicles - Vehicle-to-Grid Communication Interface - Part 2: Network and application protocol requirements, 12/30/2022

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

46A/1605/FDIS, IEC 61196-5 ED4: Coaxial communication cables - Part 5: Sectional specification for CATV trunk and distribution cables, 11/18/2022

46F/627/CDV, IEC 63138-2 ED2: Multi-channel radio-frequency connectors - Part 2: Sectional specification for MQ4 series circular connectors, 12/30/2022

Capacitors and resistors for electronic equipment (TC 40)

40/2973/CDV, IEC 60115-8 ED3: Fixed resistors for use in electronic equipment - Part 8: Sectional specification - Fixed surface mount resistors, 12/30/2022

40/2975(F)/FDIS, IEC 60539-1 ED4: Directly heated negative temperature coefficient thermistors - Part 1: Generic specification, 11/04/2022

40/2981/CD, IEC TS 60286-6-1 ED1: Packaging of components for automatic handling - Part 6-1: Bulk case packaging for miniaturized surface mounting components, 12/30/2022

Dependability (TC 56)

56/1972/DTR, IEC TR 63162 ED1: Electric components - Reliability - Reference failure rates at reference conditions, 12/02/2022

Electric road vehicles and electric industrial trucks (TC 69)

69/863/FDIS, ISO 15118-9 ED1: Road vehicles - Vehicle to grid communication interface - Part 9: Physical and data link layer conformance test for wireless communication, 11/18/2022

Electrical accessories (TC 23)

23A/1028/CD, IEC 61196-12 ED1: Coaxial communication cables - Part 12: Specification for hanging brackets for radiating cables, 12/30/2022

23A/1025(F)/FDIS, IEC 62275 ED4: Cable management systems - Cable ties for electrical installations, 10/28/2022

Electrical equipment in medical practice (TC 62)

62D/2000/CD, ISO 80369-1 ED3: Small-bore connectors for liquids and gases in healthcare applications - Part 1: General requirements, 12/30/2022

62D/1994/FDIS, ISO 80601-2-12 ED3: Medical electrical equipment - Part 2-12: Particular requirements for the basic safety and essential performance of critical care ventilators, 11/18/2022

62D/1993/FDIS, ISO 80601-2-84 ED2: Medical electrical equipment - Part 2-84: Particular requirements for the basic safety and essential performance of ventilators for the emergency medical services environment, 11/18/2022

62B/1303/NP, PNW 62B-1303 ED1: Methods for spectral imaging performance evaluation of computed tomography, 12/30/2022

62A/1491/NP, PNW TS 62A-1491 ED1: Health software and health IT systems safety, effectiveness and security - Part 2-2: Guidance for the implementation, disclosure and communication of security needs, risks and controls, 12/30/2022

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

48B/2986/CDV, IEC 60352-2 ED3: Solderless connections - Part 2: Crimped connections - General requirements, test methods and practical guidance, 12/30/2022

48B/3001(F)/FDIS, IEC 60352-6 ED2: Solderless connections - Part 6: Insulation piercing connections - General requirements, test methods and practical guidance, 11/04/2022

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

104/946/FDIS, IEC 60721-2-6 ED2: Classification of environmental conditions - Part 2-6: Environmental conditions appearing in nature - Earthquake vibration and shock, 11/18/2022

Fibre optics (TC 86)

86B/4672/CD, IEC 61300-3-27 ED2: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-27: Examinations and measurements - Guide-hole and fibre hole/core position of rectangular ferrules, 12/02/2022

Flat Panel Display Devices (TC 110)

110/1453/CDV, IEC 62977-3-5 ED1: Electronic displays - Part 3 -5: Evaluation of optical performance - Colour capabilities, 12/02/2022

Hydraulic turbines (TC 4)

4/448/FDIS, IEC/IEEE 63198-2775 ED1: Technical guidelines for smart hydroelectric power plant, 11/18/2022

Industrial-process measurement and control (TC 65)

65C/1187/NP, PNW 65C-1187 ED1: Industrial communication networks - Profiles - Part 3-19: Functional safety fieldbuses - Additional specifications for CPF 19, 12/30/2022

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

113/710/DTS, IEC TS 62607-7-2 ED1: Nanomanufacturing - Key Control Characteristics - Part 7-2: Nano-enabled photovoltaics - Device evaluation method for indoor light, 12/30/2022

Nuclear instrumentation (TC 45)

45B/1012(F)/FDIS, IEC 62694 ED2: Radiation protection instrumentation - Backpack-type radiation detector (BRD) for the detection of illicit trafficking of radioactive material, 10/28/2022

45B/1013/CD, IEC 63391 ED1: General technical requirements for active millimeter-wave systems for security screening of humans, 12/30/2022

Piezoelectric and dielectric devices for frequency control and selection (TC 49)

49/1402/CD, IEC TS 61994-5 ED2: Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection - Glossary - Part 5: Piezoelectric sensors, 12/30/2022

Power electronics (TC 22)

22H/299/CD, IEC 62310-1 ED2: Static transfer systems (STS) - Part 1: General and safety requirements, 12/30/2022

Surface mounting technology (TC 91)

91/1815/FDIS, IEC 61636-2 ED1: Software Interface for Maintenance Information Collection and Analysis (SIMICA): Exchanging Maintenance Action Information via the Extensible Markup Language (XML) (IEEE Std 1636.2-2018), 11/18/2022

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

121B/164/NP, PNW 121B-164 ED1: Low-voltage switchgear and controlgear assemblies - Part 8: Assemblies for use in photovoltaic installations, 12/30/2022

JTC1

JTC1-SC25/3109/CDV, ISO/IEC 15067-3-31 ED1: Information technology - Home Electronic System (HES) application model - Part 3-31: Protocol of Energy Management Agents for demand response energy management and interactions among these agents, 12/30/2022

JTC1-SC41/314/CD, ISO/IEC TS 30168 ED1: Internet of Things (IoT) - Generic Trust Anchor Application Programming Interface for Industrial IoT Devices, 12/02/2022

UHV AC transmission systems (TC 122)

122/138/NP, PNW TS 122-138 ED1: Future IEC 63042-401: UHV AC transmission systems - Part 401: Substation Maintenance, 11/04/2022

Wearable electronic devices and technologies (TC 124)

124/203/CD, IEC 63203-201-4 ED1: Wearable electronic devices and technologies - Part 201-4: Electronic textile - Test method for determining sheet resistance of conductive fabrics after abrasion, 12/30/2022

Newly Published ISO & IEC Standards

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

ISO Standards

Agricultural food products (TC 34)

ISO 20976-2:2022, Microbiology of the food chain - Requirements and guidelines for conducting challenge tests of food and feed products - Part 2: Challenge tests to study inactivation potential and kinetic parameters, $149.00

Aircraft and space vehicles (TC 20)

ISO 15865:2022, Space systems - Qualification assessment, $149.00

ISO 24411:2022, Space systems - Micro-vibration testing, $149.00

Bases for design of structures (TC 98)

ISO 23618:2022, Bases for design of structures - General principles on seismically isolated structures, $200.00

Cleaning equipment for air and other gases (TC 142)

ISO 10121-3:2022, Test methods for assessing the performance of gas-phase air cleaning media and devices for general ventilation - Part 3: Classification system for GPACDs applied to treatment of outdoor air, $149.00

Clinical laboratory testing and in vitro diagnostic test systems (TC 212)

ISO 18113-1:2022, In vitro diagnostic medical devices - Information supplied by the manufacturer (labelling) - Part 1: Terms, definitions, and general requirements, $225.00

ISO 18113-2:2022, In vitro diagnostic medical devices - Information supplied by the manufacturer (labelling) - Part 2: In vitro diagnostic reagents for professional use, $73.00

ISO 18113-3:2022, In vitro diagnostic medical devices - Information supplied by the manufacturer (labelling) - Part 3: In vitro diagnostic instruments for professional use, $73.00

ISO 18113-4:2022, In vitro diagnostic medical devices - Information supplied by the manufacturer (labelling) - Part 4: In vitro diagnostic reagents for self-testing, $73.00

ISO 18113-5:2022, In vitro diagnostic medical devices - Information supplied by the manufacturer (labelling) - Part 5: In vitro diagnostic instruments for self-testing, $73.00

Graphic technology (TC 130)

ISO 22067-1:2022, Graphic technology - Requirements for communication of environmental aspects of printed products - Part 1: General printing, $149.00

Health Informatics (TC 215)

ISO 13119:2022, Health informatics - Clinical knowledge resources - Metadata, $149.00

Information and documentation (TC 46)

ISO 13008:2022, Information and documentation - Digital records conversion and migration process, $175.00

Lifts, escalators, passenger conveyors (TC 178)

ISO 8100-33:2022, Lifts for the transport of persons and goods - Part 33: T-type guide rails for lift cars and counterweights, $111.00

Light metals and their alloys (TC 79)

ISO 21334:2022, Titanium and titanium alloys - Strip for welded tubes - Technical delivery conditions, $73.00

Mechanical vibration and shock (TC 108)

ISO 20816-3:2022, Mechanical vibration - Measurement and evaluation of machine vibration - Part 3: Industrial machinery with a power rating above 15 kW and operating speeds between 120 r/min and 30 000 r/min, $149.00

Natural gas (TC 193)

ISO 10715:2022, Natural gas - Gas sampling, $225.00

Non-destructive testing (TC 135)

ISO 7963:2022, Non-destructive testing - Ultrasonic testing - Specification for calibration block No. 2, $73.00

Paints and varnishes (TC 35)

ISO 22553-16:2022, Paints and varnishes - Electro-deposition coatings - Part 16: Pigment-binder ratio, $48.00

Paper, board and pulps (TC 6)

ISO 12625-15:2022, Tissue paper and tissue products - Part 15: Determination of optical properties - Measurement of brightness and colour with C/2° (indoor daylight) illuminant, $73.00

Plastics (TC 61)

ISO 23524:2022, Plastics - Determination of fracture toughness of films and thin sheets - Essential work of fracture (EWF) method, $149.00

Powder metallurgy (TC 119)

ISO 5842:2022, Powder metallurgy - Hot isostatic pressing - Argon detection using gas chromatography and mass spectrometry techniques, $73.00

Road vehicles (TC 22)

ISO 34501:2022, Road vehicles - Test scenarios for automated driving systems - Vocabulary, $48.00

ISO 13215-3:2022, Road vehicles - Reduction of misuse risk of child restraint systems - Part 3: Prediction and assessment of misuse by Misuse Mode and Effect Analysis (MMEA), $73.00

ISO 15830-4:2022, Road vehicles - Design and performance specifications for the WorldSID 50th percentile male side impact dummy - Part 4: Users manual, FREE

ISO 20766-6:2019/Amd 1:2022, Road vehicles - Liquefied petroleum gas (LPG) fuel systems components - Part 6: Pressure relief valves (PRV) - Amendment 1, $20.00

ISO 20766-17:2022, Road vehicles - Liquefied petroleum gas (LPG) fuel system components - Part 17: Gas dosage unit, $48.00

Sterilization of health care products (TC 198)

ISO 13004:2022, Sterilization of health care products - Radiation - Substantiation of selected sterilization dose: Method VDmaxSD, $225.00

Technical drawings, product definition and related documentation (TC 10)

ISO 128-2:2022, Technical product documentation (TPD) - General principles of representation - Part 2: Basic conventions for lines, $225.00

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

ISO 16840-3:2022, Wheelchair seating - Part 3: Determination of static, impact, and repetitive load strengths for postural support devices, $200.00

ISO 21801-2:2022, Cognitive accessibility - Part 2: Reporting, $200.00

ISO 7176-25:2022, Wheelchairs - Part 25: Lead-acid batteries and chargers for powered wheelchairs - Requirements and test methods, $111.00

Textiles (TC 38)

ISO 9867:2022, Textiles - Evaluation of the wrinkle recovery of fabrics - Appearance method, $149.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO 5231:2022, Extended farm management information systems data interface (EFDI) - Concept and guidelines, $175.00

ISO Technical Reports

Ergonomics (TC 159)

ISO/TR 9241-610:2022, Ergonomics of human-system interaction - Part 610: Impact of light and lighting on users of interactive systems, $175.00

Gas cylinders (TC 58)

ISO/TR 4673:2022, Gas cylinders - Service life performance of composite cylinders and tubes, $73.00

Gears (TC 60)

ISO/TR 10825-2:2022, Gears - Wear and damage to gear teeth - Part 2: Supplementary information, $200.00

ISO Technical Specifications

Agricultural food products (TC 34)

ISO/TS 20224-8:2022, Molecular biomarker analysis - Detection of animal-derived materials in foodstuffs and feedstuffs by real-time PCR - Part 8: Turkey DNA detection method, $111.00

ISO/TS 20224-9:2022, Molecular biomarker analysis - Detection of animal-derived materials in foodstuffs and feedstuffs by real-time PCR - Part 9: Goose DNA detection method, $149.00

Document imaging applications (TC 171)

ISO/TS 32002:2022, Document management - Portable Document Format - Extensions to Digital Signatures in ISO 32000-2 (PDF 2.0), $48.00

Excellence in service (TC 312)

ISO/TS 23686:2022, Service excellence - Measuring service excellence performance, $111.00

Sharing economy (TC 324)

ISO/TS 42501:2022, Sharing economy - General trustworthiness and safety requirements for digital platforms, $111.00

ISO/TS 42502:2022, Sharing economy - Guidance for provider verification on digital platforms, $73.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 27556:2022, Information security, cybersecurity and privacy protection - User-centric privacy preferences management framework, $149.00

ISO/IEC 21122-4:2022, Information technology - JPEG XS low-latency lightweight image coding system - Part 4: Conformance testing, $149.00

IEC Standards

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

IEC 62841-4-6 Ed. 1.0 b:2022, Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-6: Particular requirements for garden blowers, garden vacuums and garden blower/vacuums, $392.00

IEC 62841-4-6 Ed. 1.0 en:2022 EXV, Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-6: Particular requirements for garden blowers, garden vacuums and garden blower/vacuums, $722.00

Accreditation Announcements (U.S. TAGs to ISO)

Public Review of Revised Operating Procedures for a U.S. TAG to ISO

TC 304, Healthcare organization management

Public Comments Deadline Due by November 7, 2022

InGenesis, Inc., in its role as the TAG Administrator for the US TAG to ISO TC 304, Healthcare organization management, has submitted revisions to its currently accredited operating procedures. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised TAG procedures or to offer comments, please contact: Lee Webster, InGenesis, Inc.: Shearn - Moody Plaza, #7157, Galveston, TX 77554, P: (409) 772-0830 or (210) 366-0033 ext. 721; E: lwebster@ingenesis.com

To view/download a copy of the revisions during the public review period, click here:

Please submit any public comments on the revised procedures to InGenesis, Inc. by **November 7, 2022** with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

U.S. Technical Advisory Groups

AEM - Association of Equipment Manufacturers

U.S. TAG to ISO/TC 214 – Elevating work platforms

Meeting Date: October 19, 2022, 12:00 pm - 1:00 pm CST

For more information or to participate, please contact the U.S. TAG Administrator, Mr. Jeff Jurgens, jjurgens@aem.org.

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 92/SC 2 – Fire containment

Reply Deadline: October 28, 2022

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 92/SC 2 – *Fire containment* . ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 92/SC 2 to ASTM International. ASTM has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 92/SC 2 operates under the following scope:

Development of standards in the field of Fire containment within the scope of ISO/TC 92 Fire safety:

Standardization of the methods of assessing
- *fire hazards and fire risk to life and to property;*
- *the contribution of design, materials, building materials, products and components to fire safety*

and methods of mitigating the fire hazards and fire risks by determining the performance and behaviour of these materials, products and components, as well as of buildings and structures.

Excluded:
- *materials and equipments already covered by other technical committees;*
- *fields covered by other ISO and IEC committees.*

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 92/SC 2. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

1. The affected interests have made a financial commitment for not less than three years covering all defined costs incurred by ANSI associated with holding the Secretariat;
2. the affected technical sector, organizations or companies desiring that the U.S. hold the Secretariat request that ANSI perform this function;
3. the relevant U.S. TAG has been consulted with regard to ANSI's potential role as Secretariat; and
4. ANSI is able to fulfill the requirements of a Secretariat.

If no U.S. organization steps forward to assume the ISO/TC 92/SC 2 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by October 28, 2022, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

Information concerning the United States retaining the role of international Secretariat may be obtained by contacting ANSI's ISO Team (isot@ansi.org).

International Organization for Standardization (ISO)

Establishment of ISO Subcommittee

ISO/TC 197/SC 1 – Hydrogen at Scale and Horizontal Energy Systems

ISO/TC 197 – *Hydrogen technologies* has created a new ISO Subcommittee on *Hydrogen at Scale and Horizontal Energy Systems* (ISO/TC 197/SC 1). The Secretariat has been assigned to Canada (SCC).

ISO/TC 197/SC 1 operates under the following scope:

Standardization of large scale hydrogen energy systems and applications including aspects of testing, certification, sustainability and placement, and coordination with other relevant standardization bodies and stakeholders.

The Compressed Gas Association (CGA) has indicated its intent to administer the U.S. TAG. Organizations interested in participating on the U.S. TAG should contact ANSI's ISO Team (isot@ansi.org).

International Organization for Standardization (ISO)

Establishment of ISO Subcommittee

ISO/TC 67/SC 10 – Enhanced oil recovery

ISO/TC 67 – *Oil and gas industries including lower carbon energy* has created a new ISO Subcommittee on *Enhanced oil recovery* (ISO/TC 67/SC 10). The Secretariat has been assigned to China (SAC).

ISO/TC 67/SC 10 operates under the following scope:

Standardization of "Enhanced Oil Recovery" as applied to onshore and offshore and other EOR technologies.

Excluded: aspects related to CO2 capture, transportation, and geological storage being covered by ISO/TC 265.

The American Petroleum Institute (API) has indicated its intent to administer the U.S. TAG. Organizations interested in participating on the U.S. TAG should contact ANSI's ISO Team (isot@ansi.org).

ISO New Work Item Proposal

Management System for UN Sustainable Development Goals – Requirements for Any Organization

Comment Deadline: October 28, 2022

DS, the ISO member body for Denmark, has submitted to ISO a proposal for a new field of ISO technical activity on Management System for UN Sustainable development goals – Requirements for any organization, with the following scope statement:

This International Standard specifies requirements for a Sustainable Development Goals Management System when an organization:
a) Needs to demonstrate and enhance its work and performance towards the UN SDGs.
b) Seeks to manage its responsibilities in a systematic manner that contributes to the pillars of sustainability.

Consistent with the SDG policy of the organization, the intended outcome of an SDG management system is to:
c) Enhance the organization's performance.
d) Fulfill compliance obligations.
e) Achieve selected SDG objectives.
f) Increase success.
g) Create trust and confidence to relevant existing and future stakeholders.

This proposal employs the process approach, PDCA and risk-based thinking.

PLEASE NOTE that Danish Standards propose to make an initial scope- and title clarification period where scope, title and other unresolved issues can be discussed before starting the drafting process.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, October 28, 2022**.

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Ayush Systems

Comment Deadline: October 14, 2022

BIS, the ISO member body for India, has submitted to ISO a proposal for a new field of ISO technical activity on Ayush Systems, with the following scope statement:

Standardization in the field of Ayush systems including Ayurveda, Yoga, Naturopathy, Unani, Siddha, Sowa rigpa and Homoeopathy. Both traditional and modern aspects of products and services of these systems are covered.

Excluded from its scope are products and services covered by ISO/TC 54 Essential oils, ISO/TC 215 Health Informatics, and ISO/TC 249 Traditional Chinese Medicine.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, October 14, 2022.

ISO Proposal for a New Field of ISO Technical Activity

Management Consultancy

Comment Deadline: October 21, 2022

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

Standardization in the field of management consultancy.

Excluded: Technical aspects already covered by ISO/TC 225 (Market, opinion and social research) and ISO/TC 260 (Human resource management).

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, October 21, 2022.**

Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.
When organization names are submitted to ANSI for registration, they will be listed here alphanumerically. Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

CTA-2107, The Use of Artificial Intelligence in Health Care: Managing, Characterizing, and Safeguarding Data

Notice:

1 SCOPE

This voluntary standard identifies the current recommended practices for managing, characterizing, and safeguarding data for developing artificial intelligence-based applications in health care. This field is rapidly changing, and this document represents recommendations upon publication of this standard. Users of the standard are also encouraged to review and identify any relevant federal, state, or local regulations as it applies to the below topics. Additionally, users of the standard are encouraged to review and comply with relevant horizontal standards and frameworks for AI (e.g., ISO/IEC/JTC-1 SC 42, NIST, IEEE P7000 Series), data management (e.g., ISO/IEC/JTC-1 SC32, IEEE P70005 Series), and data security (e.g., UL 2900, NIST, ASTM E31 standards).

2 DEFINITIONS, SYMBOLS AND ABBREVIATIONS

2.1 Definitions

Validation: Validation refers to the step of optimizing an AI model to a given application by further training the model.

3 DATA MANAGEMENT

Good data management ensures that data is acquired, ~~validated~~characterized, stored, protected properly, and that authorized users are confident the data is reliable, appropriately accessible, and up to date.

3.1 Data Plan

A comprehensive data plan might ~~include~~accomplish the following:

A) Harmonize~~s~~ content from internal and external sources into a centralized location;

B) Enable~~s~~ comprehensive testing and trend analysis;
C) Enable~~s~~ real-time collaboration with producers and suppliers;
D) Support~~s~~ comprehensive data analysis to identify opportunities;
E) Support~~s~~ real-time identification and response to problems; and

Specifically, a Data Plan shall include:

- A description of the product's intended use (i.e., the problem to be solved) and the ~~data set~~dataset purpose.
- A description of the data partitioning process and identification of~~y~~ characteristics for ~~training, testing, and validation of datasets.~~ collected datasets.
- Development and documentation of methods to ensure data segregation ~~– ensure that no final validation data is used to inform development activities.~~(i.e., datasets used to develop the model are kept separate from datasets used to evaluate the model).
- Principles to address data privacy, security, and bias management. See Section **Error! Reference source not found.**~~6~~.
- Documentation that the data used in external ~~validation~~ testing of the model is independent from data used in the model training or tuning phase in order to limit overfitting and promote the generalizability of the model.

3.2 Data Requirements

The data requirements will depend upon the product's intended use. The applicable data standards, where available, should be used to specify the data collection format in order to promote interoperability of the collected data. Clear identification of data requirements prior to data collection, model development, training, validation, or testing~~, training, or validation;~~ and consistent evaluation of those characteristics throughout the design and development process are essential to ensure the final algorithm is fit for purpose.

When identifying the data requirements, the following shall be considered:

- The applicability of data to the intended use (e.g., timeliness). This evaluation of the applicability of data should include an assessment regarding the clinical site and workflow, the patient and user populations, and the acquisition technology. The evaluation should consider which data fields might be significant to the intended use (these may be items that are already known as predictors) to determine which items might warrant more scrutiny.

3.3 Data Cleaning

3.3.1 Training Data Cleaning

A data cleaning plan shall be a part of the broad data management plan (see Section 3.1~~5.1~~) and shall ensure that:

- ~~Missing data are replaced or removed from the dataset. Under certain circumstances, additional research can be performed to fill in missing fields, or the record may be removed from the dataset altogether.~~
- ~~Flag n~~Newly inputted data are flagged to ensure there is a way to track changes.
- Steps for addressing missing data ~~should be~~are documented in the materials for the training data. These steps shall be pre-specified for the testing dataset.
- ~~Both training and test datasets should be treated equally in the cleaning process.~~
- ~~The same data cleaning operations should be performed on both the training and testing data.~~

3.3.2 Safeguarding Data

The large set of data used ~~to train and validate~~ in the development of~~a~~ the system might be an attractive target for hackers seeking confidential data, as well as hackers wanting to "poison" the dataset and cause the system to come to incorrect conclusions.

3.3.3 Security

The following requirements, where technically feasible, shall be met:

A) Encrypt stored sensitive/confidential data, whether it is being permanently or temporarily stored. This can help prevent unintended disclosure even if your system has been compromised.

B) Only allow authorized users access to data. This access shall be granted using a strong password or passphrase to protect access to data. The authorized users shall be appropriately trained to mitigate against insider risk.

C) Data creation (e.g., data collected by wearables) – considerations shall be given to protect the data as they are being generated. What are the ways in which the data creation process introduces vulnerabilities?

D) Data storage – the plan shall specify where the data are stored. This could include network shares, hard drives, servers, public or private clouds, etc.

   i) If the data host is a 3rd party (e.g., commercially available cloud services), a monitoring plan shall be in place to receive and react to any security issues that have been disclosed by that vendor.

~~The following requirements, in relevant scenarios, should be met:~~

E) Data cleaning, labeling, and enrichment – in these process steps, multiple stakeholders may have access to the data and are intentionally modifying it. The plan should address what security controls are in place to ensure that they are improving the data rather than compromising it. Considerations include:

ii) Access only to the data they need to review and update.

iii) A log that records who modified which data (e.g., access history), when it was modified, and the reason for the modification.

iv) Termination of access once their work is complete.

F) Data in motion – since the data is coming from multiple sources and is handled by multiple actors, data should be encrypted when transferred.

A BIAS IDENTIFICATION AND MANAGEMENT [INFORMATIVE]

In NIST's recently finalized SP 1270- "Towards a Standard for Identifying and Managing Bias within Artificial Intelligence", it is acknowledged that "bias is neither new or unique to AI and it is not possible to achieve zero risk of bias in an AI system" [**Error! Reference source not found.**~~30~~]. ~~Additionally, there are several different types of bias.~~ Algorithmic bias is a phenomenon that occurs when an artificial intelligence application or algorithm precludes broadly inclusive results or produces results that are inherently or systematically prejudiced due to existing data issues, erroneous assumptions, or omissions in the application's design machine learning process [**Error! Reference source not found.**~~2~~]. Additionally, there are several different types of bias.

D.1 Guiding Principles to Manage Negative Bias

It should be noted that although the details may be different, many of the processes to manage negative bias are similar to those that developers are already doing for design control. In adhering to such processes, developers will have a clear definition of their AI application's intended use, target user group, and requirements, which will aid in identifying sources of bias that will need to be addressed through development activities. Such processes will also entail risk management procedures to enable the proactive identification and mitigation of risks (including those related to bias). Further, design control approaches will ensure that developers have a structured and formal approach ~~to software verification and validation~~ to demonstrate that their AI application is safe and effective, with negative bias reduced as far as reasonably possible. Overall, design control processes will support a developer in identifying harmful bias, reducing it to an acceptable level, and objectively demonstrating that its bias reduction efforts have been successful.

Tracking #50i196r1 **Revision to NSF/ANSI/CAN 50-2021**

Issue 196, Revision 1(September 2022)

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

NSF/ANSI/CAN Standard
For Recreational Wastewater –

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

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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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IAPMO/ANSI Z124.7-2013 (R2018), *Prefabricated Plastic Spa Shells*[15]

IAPMO/ANSI Z124.1.2-2005, *Plastic Bathtub and Shower Units*[Error! Bookmark not defined.]

IAPMO Z124.8-2013e2 (R2018), *Plastic Liners*[15]

~~IAPMO/ANSI Z1033-2013c, *Flexible PVC Hose for Pools, Hot Tubs, Spa, and Jetted Bathtubs*~~[~~Error! Bookmark not defined.~~]

IAPMO/ANSI Z1033-2015 (R2020), *Flexible PVC Hoses and Tubing for Pools, Hot Tubs, Spas, and Jetted Bathtubs*[Error! Bookmark not defined.]

IAPMO SPS 4-2019, *Special Use Suction Fittings for Swimming Pools, Spas and Hot Tubs (for Suction Side Automatic Swimming Pool Cleaners)*[15]

IAPMO IGC 158-2019, *Fiberglass Reinforced Plastic Pool Shells*[15]

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5 Design and construction

This section contains general requirements that apply to all equipment covered under the scope of this standard.

5.1 Installation of piping, valves, and fittings

If circulation system components are not supplied with the required piping, valves, and fittings installed, the manufacturer shall provide a piping diagram, a parts list, and installation procedures.

5.2 Assembly

Piping assemblies shall be capable of being disassembled for maintenance and repair.

5.3 Closing and sealing devices

Mechanical clamps, gaskets, and sealing devices shall not leak when subjected to the applicable pressure requirements.

5.4 Suction fittings

Suction fittings that are designed to be totally submerged for use in swimming pools and spa / hot tubs shall comply with ANSI/APSP/ICC–16**Error! Bookmark not defined.** and the requirements of Section 4 of this standard.

5.5 PVC hose

Helix or fabric reinforced flexible PVC hose, for use on circulation piping in pools, hot tubs, spas, and jetted bathtub units, shall comply with the following:

- IAPMO/ANSI Z1033;**Error! Bookmark not defined.**
- the requirements of Section 4 of this standard; and
- Section N-2.1.5 after a 20,000-cycle strength test conducted in accordance with Section N-2.1.4.

5.6 Safety vacuum release systems (SVRS)

Manufactured SVRS shall comply with ASTM F2387**Error! Bookmark not defined.** or ANSI/ASME A112.19.17**Error! Bookmark not defined.** and the material requirements of Section 4 of this standard.

5.7 Pool and spa covers

All pool or spa covers (safety or otherwise) shall be labeled in accordance with ASTM F1346**Error! Bookmark not defined.** and shall conform to the requirements of Sections 4 and 5 of this standard.

5.8 Pool alarms

Pool alarms shall comply with ASTM F2208,**Error! Bookmark not defined.** as well as the requirements of Section 4 of this standard.

5.9 Barriers and fencing

Fencing for use as a barrier around recreational water shall comply with one or more of the following standards:

— ASTM F1908;[Error! Bookmark not defined.]
— ASTM F2049;[Error! Bookmark not defined.]
— ASTM F2286;[Error! Bookmark not defined.]
— ASTM F2409;[Error! Bookmark not defined.] or
— ASTM F2699.[Error! Bookmark not defined.]

NOTE — Check with the local authorities for residential and recreational water facility fencing requirements. The use of specific products, designs, installation requirements, and compliance with particular standards may be specified in local building codes or by the local public health official.

5.10 Vacuum port fitting cover

Vacuum port cover fittings shall comply with the requirements of IAPMO SPS 4[Error! Bookmark not defined.] as well a s the requirements of Section 4 of this standard.

5.11 Fiberglass reinforced plastic pool shells

Fiberglass reinforced plastic pool shells shall comply with the requirements of IAPMO IGC 158 as well as the requirements of Section 4 of this standard.

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[Note – The recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by gray highlighting. Revision 2 (r2) changes are indicated by yellow highlighting. Rationale statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI Standard for Drinking Water Treatment Units

Supplemental Microbiological Water Treatment Systems – Filtration

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2 Normative references

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

Rationale: Updates language for consistency with other DWTU standards. This was erroneously balloted back to the old language in June (244i14r1) and is being corrected now.

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7 Microbiological performance claims – Test methods

7.1 General requirements

7.1.1 Aesthetic effects claims

Claims for taste, odor and other aesthetic effects, including bacteriostasis, shall not be verified under this standard. Such claims shall be tested for compliance with NSF/ANSI 42, or NSF/ANSI 58, or 62 for a TDS reduction claim.

7.1.2 Health effects claims

Claims for reduction of chemical, physical, radiological, or a separate claim for other health effects contaminants shall not be verified under this standard. Such claims shall be verified under NSF/ANSI 44, 53, 55, 58, or 62. A cyst reduction claim shall be verified under this standard in accordance with Section 7.2.2.2.

7.2 Microbiological reduction claims

Claims may be made for the following microbiological reduction:

— bacteria, viruses and cysts (see Section 7.2.2.2).

Separate claims for bacteria reduction or virus reduction shall not be allowed. The maximum reduction claim for bacteria and viruses shall each be limited to and stated as ≥ 3 log.

7.2.1 Bacteria and virus surrogate reduction

The system shall meet all of the following requirements when tested in accordance with Section 7.3:

— reduce a *Raoultella terrigena (Rt)* (ATCC #33257) target influent challenge of 1×10^4 to 1×10^5 cfu/100 mL by at least 3 log (99.9%); and

— reduce a fr (ATCC #15767-B1) and MS-2 (ATCC #15597-BI) viral surrogate target influent challenge having 1×10^4 to 1×10^5 pfu/~~100~~ mL of each surrogate by at least 3 log (99.9%).

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7.3.3 Test waters

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7.3.3.4 Microbial influent challenge test waters

Influent variations are expected but shall not fall below the concentration that is required to demonstrate the minimum required log reduction. The maximum geometric average influent concentration shall not exceed the target concentration by more than one log to prevent the potential of obtaining artificially high log removal values.

NOTE — If the influent concentration exceeds the maximum allowed for that organism, the maximum allowed concentration shall be used to calculate the percent log reductions. If the influent concentration is insufficient to demonstrate the required log reductions for that organism, those data points shall be invalid.

7.3.3.4.1 *Raoultella terrigena* (*Rt*)

The general test water in Section 7.3.3.1 shall be used and adjusted to the appropriate pH and contain a target challenge concentration of *Rt* at 1 × 10^4 to 1 × 10^5 cfu/100 mL with a maximum geometric average of all influent concentrations not exceeding 1 × 10^5 cfu/100 mL.

7.3.3.4.2 Virus surrogates

The general test water in Section 7.3.3.1 shall be used and adjusted to the appropriate pH and contain a target challenge concentration of:

— fr coliphage at 1 × 10^4 to 1 × 10^5 pfu/~~100~~ mL with a maximum geometric average of all influent concentrations not exceeding 1 × 10^5 pfu/~~100~~ mL; and

— MS-2 coliphage at 1 × 10^4 to 1 × 10^5 pfu/~~100~~ mL with a maximum geometric average of all influent concentrations not exceeding 1 × 10^5 pfu/~~100~~ mL.

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8.4 Performance data sheet

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Table 8.1
Performance data sheet performance claims for percent reduction

Substance	Influent challenge concentration	Reduction requirement
bacteria	1 × 10^4 to 1 × 10^5 cfu/100 mL	99.9% (3 log)
virus	1 × 10^4 to 1 × 10^5 pfu/~~100~~ mL	99.9% (3 log)
cyst	(bacteria and virus surrogate cyst reduction per Section 7.2.2.2)	Maximum cyst reduction claim ≥ 99.9% (≥ 3 log)

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Rationale:

- ***Revision 1 (r1) changed the units for the virus influent from pfu/100 mL to pfu/mL. The virus analytical methods only allow analysis of 1 mL of the sample, so the minimum reporting limit is 1 pfu/mL. The current virus target range as written only allows for measurement of between 2 and 3 logs of virus reduction.***
- ***This revision (r2) adds ranges to Sections 7.3.3.4.1 and 7.3.3.4.2 for consistency and accuracy.***

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NSF/ANSI Standard
for GMP for Dietary Supplements –

Good Manufacturing Practices for Dietary Supplements

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4 Audit Requirements

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4.3 Planning

4.3.1 A risk-based supplier qualification program is established and implemented for all ingredients. The program includes a supplier / ingredient risk evaluation, appropriate qualification activities as determined by the risk evaluation, and assurance that only approved suppliers are used. [21 CFR § 111.70(f) & 21 CFR § 111.75(a2ii) ~~& 21 CFR § 117.405~~ & 21 CFR § 117.410]

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~~**4.5.26**~~ **4.3.3** ~~Direct~~ FSVP importers of components, bulk dosage forms, or finished dietary supplements shall ~~be~~ have established and implemented a foreign supplier verification program (FSVP). [21 CFR § 1.511]

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NSF/ANSI Standard
for GMP for Dietary Supplements –

Good Manufacturing Practices for Dietary Supplements

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4 Audit Requirements

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4.5 Operation

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4.5.77 Any reprocessed material shall meet its original specification. The QC unit shall determine the appropriate disposition of the material (release or reject). [21 CFR § 111.90(c) & 21 CFR § 111.525]

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4.6 Performance evaluation

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4.6.9 QC operations shall determine if process and product specifications have been met. The product shall not be released if it does not meet the specifications, unless QC approved deviations have been documented. [21 CFR § 111.73 & 21 CFR § 111.127(d) and 21 CFR § 111.123(a), (b)]

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NSF/ANSI Standard for GMP for Dietary Supplements –

Good Manufacturing Practices for Dietary Supplements

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4 Audit Requirements

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4.5 Operation

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4.5.64 ~~QC personnel shall authorize a treatment, in-process treatment, or reprocessing in an attempt to correct a deviation or unexpected event, or specification deficiency. [21 CFR § 111.113(b)]~~
Treatment or in-process adjustments of components, packaging and labeling and reprocessing of a dietary supplement in an attempt to correct a deviation or unexpected event, or specification deficiency shall be approved by the Quality personnel. [21 CFR § 111.90 (a1)(b1) & 21 CFR § 111.113(b) & 21 CFR § 111.120(d) & 21CFR 111.130(c)]

4.5.65 Reprocessing controls shall be established. ~~that meet all requirements and have been shall be approved by the QC unit.~~ [21CFR 111.20(c2) & 21 CFR 111.77(b)(c) & 21 CFR 111.123(a5) & 21 CFR § 111.90(a), (b)]

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NSF/ANSI/CAN 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

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2 Normative references

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ANSI/APSP/ICC-16-20~~11~~17 , *Standard Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, and Hot Tubs*[1]

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22 Fittings for waterpark, spray-pad, pool, or spa

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22.3 Overflow fittings and perimeter grating

Overflow fittings and perimeter grates are designed to capture water from the top of the pool or spa and direct it to the filtration and treatment system. Such fittings may be designed with integrated trough, gutter, or support and catchment channel. These fittings are not designed to be installed in a pool or spa in a continuously submerged application as submerged suction fittings shall be evaluated to ANSI/APSP-16.[1] Overflow fittings and perimeter grating products including corner sections, sweeps, and radius fittings, if applicable, shall be tested and comply with the corrosion resistance, design, and construction requirements of the material section of this standard and the following:

— **22.3.1** ~~d~~Dimensional compliance with the manufacturer's design requirements and installation instructions including determination of open area or percent open area for water flow;

[1] Pool & Hot Tub Alliance (formerly the Association of Pool & Spa Professionals / National Swimming Pool Foundation). 2111 Eisenhower Avenue, Suite 500, Alexandria, VA 22314. <www.phta.org>

— **22.3.2** ~~w~~When polymeric materials are used to make fittings for use in outdoor pool and spa applications, they shall undergo UV exposure in accordance with ASTM G154**Error! Bookmark not defined.** for UV resistance and 70% strength requirements of Section ~~3~~ 4.2 as referenced in ANSI/APSP-16.[1] When polymeric material products are offered in multiple colors, the colors with the highest and lowest colorant loading (% of colorant within the formulation) shall be tested. If colorants are used at differing percentages within the formulations, test both the highest and lowest colorant levels as well as the lightest and darkest colors. The worst-case recorded values shall be used for all further tests and calculations. Fittings that are only rated for indoor use need not comply with the UV exposure requirements;

— **22.3.3** ~~m~~Manufactured sumps and other assembly components that are not exposed to natural UV radiation when fully assembled and installed, according to the manufacturer's instruction, are not included in the ultraviolet light exposure test;

— **22.3.4** ~~p~~Products shall comply with the ~~vertical~~ floor-mounted load and deformation test of Section ~~3~~ 4.3 of ANSI/APSP/ICC-16[1] or the manufacturer's claimed load requirements, whichever is greater;

— **22.3.5** ~~p~~Products shall comply with the pull load requirements of Section ~~3~~ 4.8 of ANSI/APSP/ICC -16[1] or the manufacturer's claimed load requirements, whichever is greater;

— **22.3.6** ~~p~~Products shall comply with the finger and limb entrapment requirements of Section ~~3~~ 7 of ANSI/APSP/ICC -16;[1]

— **22.3.7** ~~p~~Products that meet all requirements shall be marked in accordance with the following:

- manufacturer's name or trademark;
- model number or product designation;
- standard reference: NSF/ANSI/CAN 50 and certification mark; and
- use conditions: indoor use only (Indoor), indoor and outdoor use (Outdoor).

— **22.3.8** ~~p~~P roduct packaging, installation, or use instructions shall contain the following:

- manufacturer's name or trademark;
- model number or product description;
- product installation instructions;
- standard reference: NSF/ANSI/CAN 50 and certification mark;
- use conditions: indoor use only (indoor), indoor and outdoor use (outdoor); and
- rated open area for water flow (expressed as percent open water).

BSR/UL 1, Standard for Safety for Flexible Metal Conduit

1. Stainless Steel Flexible Metal Conduit (SS FMC) as an EGC per the 2023 NEC

PROPOSAL

1 Scope

1.1 These requirements cover flexible aluminum, ~~and~~ steel and stainless-steel conduit designed for use as metal raceway for wires and cables in accordance with the National Electrical Code, NFPA 70.

4.3 Stainless Steel

4.3.1 The strip material used in stainless steel flexible steel conduit shall be stainless steel having a chromium content of not less than 16 percent.

6.1 Splices in steel, stainless steel and aluminum strip shall be made in a workmanlike manner and shall not materially increase the thickness or diameter of the conduit or lessen its mechanical strength.

7.1 Finished flexible steel, stainless steel and aluminum conduit shall have the number of convolutions per foot or the number of convolutions per 200 millimeters indicated in Table 7.1.

8.1 The interior surfaces of finished steel, stainless steel and aluminum conduit shall be free from burrs and sharp edges that can damage wiring.

9.1 Finished flexible steel, stainless steel and aluminum conduit in trade sizes 3/8 – 4 shall have an external diameter that is not smaller than indicated in the second column and not larger than indicated in the third column of Table 9.1 (dimensions in inches) or Table 9.2 (dimensions in millimeters) and shall have an internal diameter that is not smaller than indicated in the fourth column of Table 9.1 (dimensions in inches) or Table 9.2 (dimensions in millimeters). Finished flexible steel, stainless steel and aluminum conduit in the 3/8 – 2 trade sizes shall have an internal diameter that is not larger than indicated in the fifth column of Table 9.1 (dimensions in inches) or Table 9.2 (dimensions in millimeters).

11.1 Finished flexible steel, stainless steel and aluminum conduit shall withstand for 1 minute, without opening up at any point, a tension imparted by a weight that exerts 300 lbf (1334 N or 136 kgf) applied to the ends of a 3-foot (915-mm) length.

12.1 A specimen of finished flexible steel, stainless steel and aluminum conduit shall be bent around a cylindrical (right-circular) surface having a radius as indicated in Table 12.1 without opening at any point.

14 Secureness of Conduit in Fittings Tests

14.1 Three specimens of finished conduit assembled to its intended fittings (one fitting on each end of the conduit) shall be subjected to each of the tests specified in the Standard for Conduit, Tubing, and Cable Fittings, UL 514B, under the section, "Fittings for flexible metal conduit":
a) Assembly,
b) Resistance, and
c) Pull.

Exception: A Stainless Steel flexible metal conduit shall not be subjected to the Resistance Test. Stainless Steel flexible metal conduit shall only be subjected to the Assembly Test followed by Pull Test.

14.2 Following the tests:

a) The steel, stainless steel or aluminum conduit shall not be punctured or deformed,
b) The voltage drop across the steel or aluminum conduit shall not be greater than 50 millivolts, and
c) Pulling, bending, and flexing shall not dislodge the fitting from the steel, stainless steel or aluminum conduit, as applicable.

15 Resistance Test

15.1 The electrical resistance of specimens of previously untested finished conduit shall not exceed the values shown in Table 15.1.

Exception: A Stainless Steel flexible metal conduit shall not be subjected to this test.

16.1.1 The requirement in 16.1 applies to ~~all types of~~ aluminum and steel flexible metal conduit covered by this standard. For stainless steel flexible metal conduit, after previously untested specimens of the finished conduit are subjected to the Fault Current test and allowed to cool to ambient room temperature there shall be no openings in the conduit. Compliance of stainless steel conduits is to be determined by visual inspection.

17.1.1 If the organization responsible for the conduit produces flexible steel conduit, flexible stainless steel conduit or flexible aluminum conduit in only one factory, the factory need not be identified on the conduit.

17.1.2 If the organization responsible for the conduit produces flexible steel conduit, flexible stainless steel conduit or flexible aluminum conduit in more than one factory, all of the conduit that is produced by or for that organization shall be identified as the product of a particular factory. The factory identification shall be permanent and shall consist of a letter or symbol indented into or embossed on the outer surface of the conduit at intervals no longer than 12 inches (305 mm). The absence of this marking may be used to identify one factory. The meaning of each identification shall be made available.

17.3.2 Each coil of flexible steel, stainless steel and aluminum conduit shall be marked or tagged to indicate the following plainly:

a) The name of the manufacturer, that manufacturer's trade name for the conduit, or both, or any other acceptable distinctive marking by means of which the organization responsible for the conduit can readily be identified.
b) The date of manufacture by month and year.
c) The trade size of the conduit.
d) "Use only with connectors intended for this type of conduit." Cartons for these connectors are marked as follows:

Connectors for use with steel (FE), stainless steel (SS) or aluminum (AL) FMC only:
"For FE FMC" or "FEFMC"
"For STEEL FMC" or "STEELFMC"
"For AL FMC" or "ALFMC"
"For ALUM FMC" or "ALUMFMC"
"For ALUMINUM FMC" or "ALUMINUMFMC"
"For SS FMC" or "SSFMC"
"For ST STEEL FMC" or "ST STEELFMC"
"For STAINLESS STEEL FMC" or "STAINLESSSTEELFMC"
Connectors for use with reduced-wall FMC (RWFMC) only: "For RWFMC" or "RWFMC"
Connectors for use with steel (FE), stainless steel (SS) or aluminum (AL) reduced-wall FMC (RWFMC) only:
"For FE RWFMC" or "FERWFMC"
"For STEEL RWFMC" or "STEELRWFMC"
"For AL RWFMC" or "ALRWFMC"
"For ALUM RWFMC" or "ALUMRWFMC"
"For ALUMINUM RWFMC" or "ALUMINUMRWFMC"
"For SS RWFMC" or "SSRWFMC"
"For ST STEEL RWFMC" or "ST RWSTEELFMC"
"For STAINLESS STEEL RWFMC" or "STAINLESSSTEELRWFMC"

17.4.1 In addition to the marking requirements in 17.1.1 – 17.3.2, reduced-wall flexible metal conduit (RWFMC), shall be marked by indent printing or embossing with the letters "RW", and the tag attached to each coil shall have the statement "Reduced-wall flexible (aluminum, ~~or~~ steel or stainless steel) conduit " or the equivalent.

BSR/UL 153, Standard for Safety for Portable Electric Luminaires

1. Scope Clarification for Lighting Strings

1.4 These requirements do not cover portable luminaires within the scope of the following standards:

Standard for Electric Signs, UL 48

Standard for Portable Sun/Heat Lamps, UL 482

Standard for Seasonal and Holiday Decorative Products, UL 588[a]

Standard for Luminaires for Use in Hazardous (Classified) Locations, UL 844

Standard for Household and Commercial Furnishings, UL 962[b]

Standard for Electric Aquarium Equipment, UL 1018

Standard for Temporary Lighting Strings, UL 1088

Standard for Flashlights, UL 1576

Standard for Direct Plug-In Nightlights, UL 1786

Standard for Rope Lights, UL 2388

Standard for Horticultural Luminaire Systems, UL 8800

Outline of Investigation for Portable UV Germicidal Equipment With Uncontained UV Sources, UL 8803

[a] UL 588 and UL 153 can be used for string lights for all-year use that use 18 AWG and larger cord sizes. UL 588 is the only applicable Standard for String lights for all-year use and lighting strings employing cords smaller than 18 AWG. All other seasonal and holiday decorative products, regardless of the size of the cord, are only covered under the scope of UL 588.~~applies to lighting strings whose primary function is to illuminate and draw attention to the string itself, rather than to provide ambient lighting to the area surrounding the string.~~

[b] UL 962 applies where furnishings have integral illumination intended for aesthetic purposes and with only a modest contribution to ambient illumination levels.

2. Clarification Attachment plug with “W”, “Water Resistant” or “Outdoor Use” rating for wet location luminaires

132.1 Power-supply cords

132.1.1 Any cord exposed outside of a portable luminaire shall be type SJ, SJO, SJT, or equivalent and be marked “W” following the type designation. The attachment plug shall also be rated for outdoor use by a surface marking “W” or “Water Resistant” or “Outdoor Use”.

3. Editorial revision

SA1.4 Portable luminaires intended to be operated while connected to a non-integral electrical supply source are to be evaluated in accordance with the body of this Standard, and are not within the scope of this Supplement.

BSR/UL 268, Standard for Safety for Smoke Detectors for Fire Alarm Systems

1. Proposed Eighth Edition of ANSI/UL 268 and Proposed Fifth Edition of CAN/ULC 529, Binational Standard for Smoke Detectors for Fire Alarm Systems

PROPOSAL

2.4 Referenced Publications

2.4.1 Any undated reference to a code or standard appearing in the requirements of this Standard shall be interpreted as referring to the latest edition of that code or standard. ~~Where reference is made to other publications, such reference shall be considered to refer to the latest edition and all amendments published to that edition up to the time when this Standard was approved. All undated references shall be interpreted as referring to the latest edition of that document.~~

2.4.2 The following publications are referenced in this Standard:

ASA S12.51/ISO 3741, *Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Precision methods for reverberation test rooms*

Figure 32.1~~30.2~~
Sensitivity Test Limits Gray smoke - Cotton Wick/Aerosol - 9.8 mpm Room Ambient Temperature, 85 % Relative Humidity

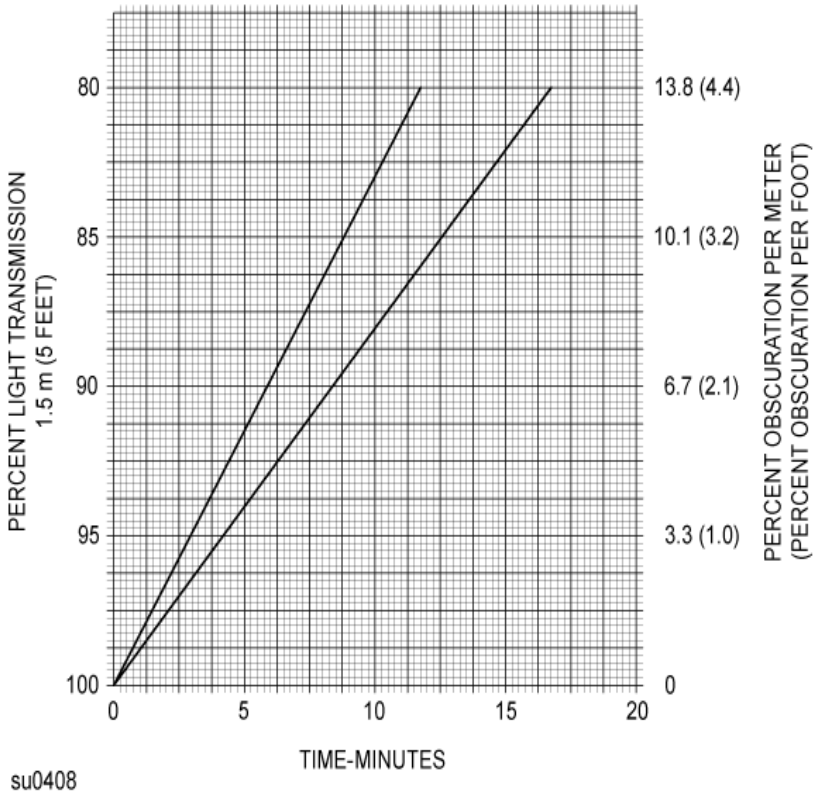


Figure 32.2~~1~~
Smoke Build-Up Rate - Sensitivity Test Gray Smoke - Cotton Wick/Aerosol - 9.8 mpm Room Ambient Temperature, 85 % Relative Humidity

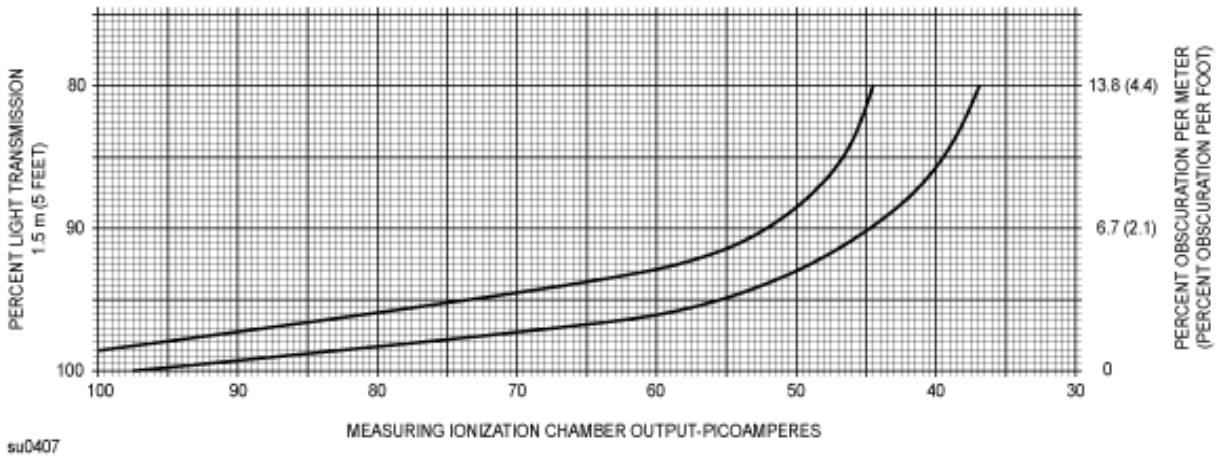
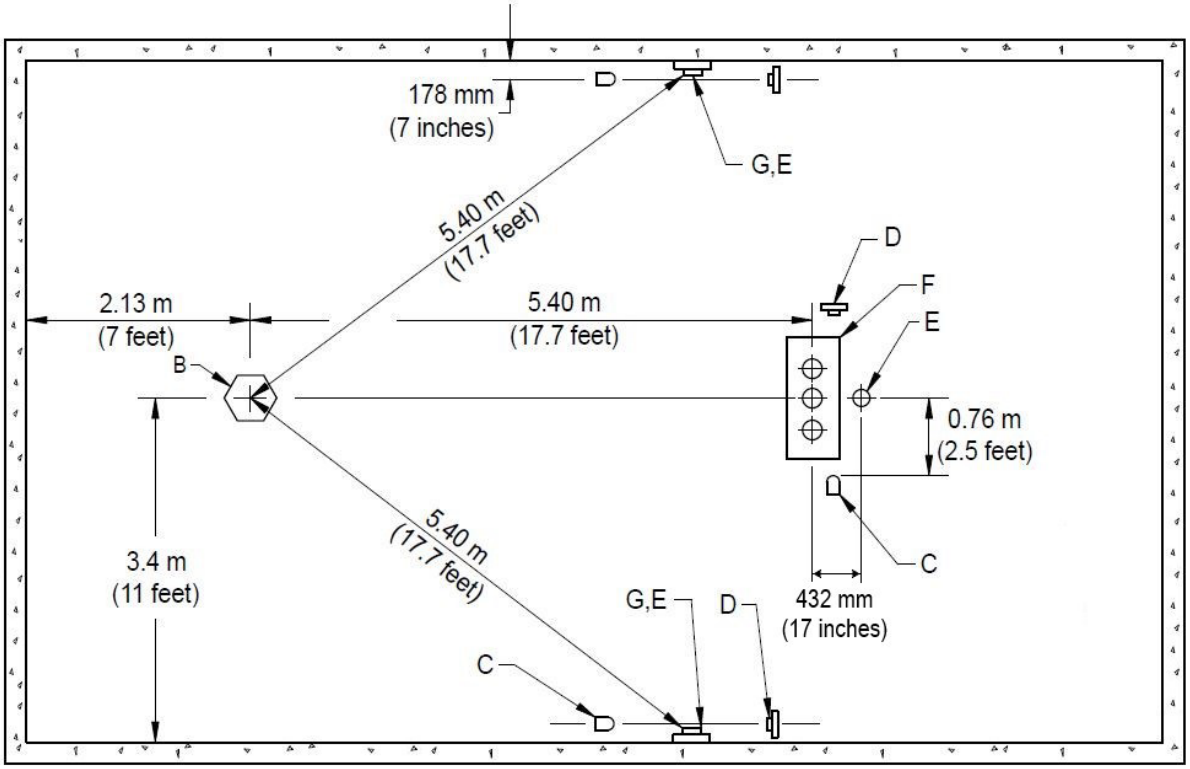


Figure 44.7
Fire Test Room



su0410a

A. Fire Test Room Dimensions
1. Length - ~~11~~10.97 m ±12.7 mm (36 ft ±0.5 in)
2. Width - 6.7 m ±12.7 mm (22 ft ±0.5 in)
3. Ceiling - height 3.0 m ±12.7 mm (10 ft ±0.5 in)

B. Test Fire
1. 0.91 m ±12.7 mm (3 ft ±0.5 in) above floor for the Fire Tests
2. 203 ±12.7 mm (8 ±0.5 in) above floor for the Smoldering Smoke Test

C. Lamp Assembly - 102 ±6.4 mm (4 ±0.25 in) below ceiling, 178 ±6.4 mm (7 ±0.25 in) from each side wall.

D. Photocell Assembly – Spaced 1.5 m ±6.4 mm (5 ft ±0.25 in) from lamp, photocell center 102 ±6.4 mm (4 ±0.25 in) below ceiling, 178 ±6.4 mm (7 ±0.25 in) from each side wall

E. Measuring Ionization Chamber (MIC)

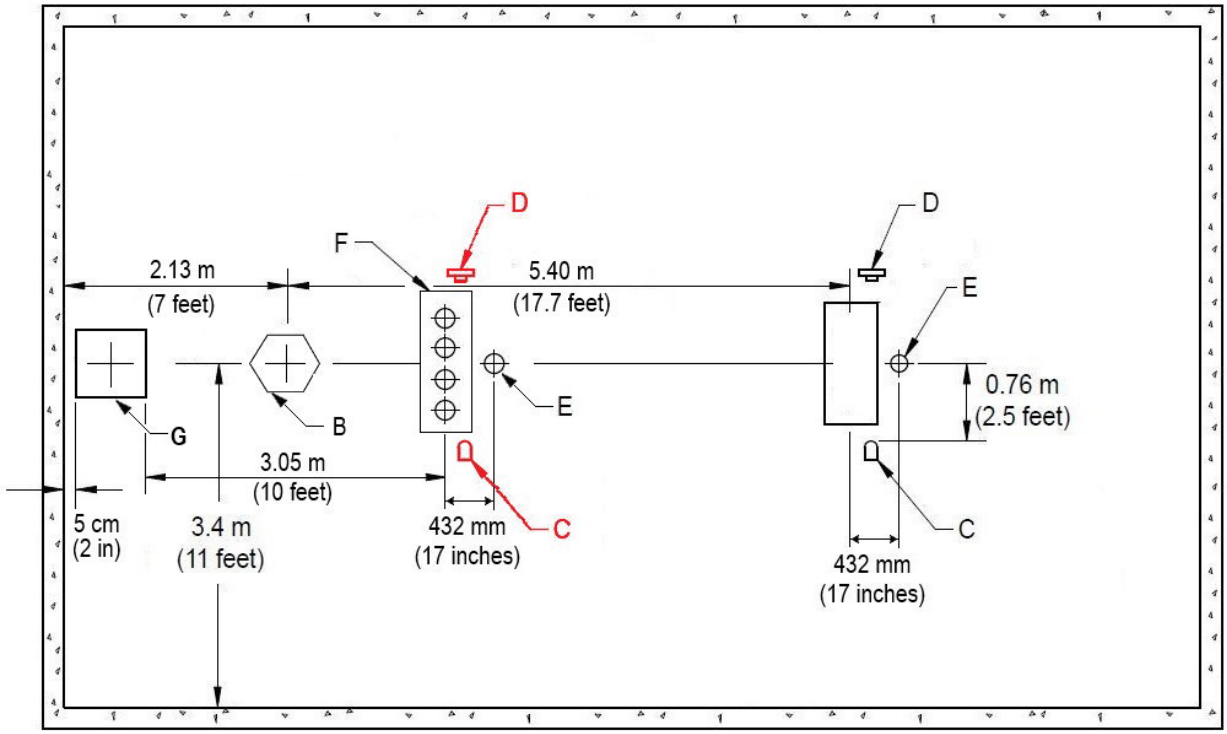
F. Test Panel, Ceiling Mounted Detectors - see Figures 44.8 and 44.10.

G. Test Panel, Sidewall Mounted Detectors - see Figures 44.9 and 44.10.

~~S. Air supply~~

~~V. Exhaust vents~~

Figure 47.4
Fire Test Room Electric Range and Smoke Detector Placement



su0410c

A. Fire Test Room Dimensions
1. Length – ~~11~~10.97 m ±12.7 mm (36 ft ±0.5 in)
2. Width – 6.7 m ±12.7 mm (22 ft ±0.5 in)
3. Ceiling – height 3.0 m ±12.7 mm (10 ft ±0.5 in) suspended type. Consists of 0.6 by 1.2 m (2 by 4 feet) by 15.9 mm (5/8 inch) thick noncombustible fissured mineral fiber layer in panels.

B. Test Fire
C. Lamp Assembly – 102 ±6.4 mm (4 ±0.25 in) below ceiling
D. Photocell Assembly – Spaced 1.5 m ±6.4 mm (5 ft ±0.25 in) from lamp, photocell center 102 ±6.4 mm (4 ±0.25 in) below ceiling
E. Measuring Ionization Chamber (MIC)
F. Test Panel, Ceiling Mounted Detectors – see Figure 44.8 and Figure 44.10.
G. Electric Range

79.2.4 Products capable of receiving a firmware update shall be tested and evaluated for the following type of applicable firmware updates when the detector device or accessory is subjected to the specified operating conditions:

a) Authentic Firmware Update:

1) Normal standby condition - smoke detector shall operate as intended after receiving an authentic firmware update.

2) Alarm condition - when detecting smoke during a fire event, a firmware update shall not interfere with alarm detection and signaling.

3) Loss of power - smoke detector shall comply with 79.2.6.

4) Firmware transmission (data) interruption - smoke detector shall comply with 79.2.6.

b) Duplicate firmware version update:

1) Normal standby condition - smoke detector shall operate as intended after receiving a duplicate firmware update.

c) Corrupt firmware update:

1) Normal standby condition - smoke detector shall comply with 79.2.6.

~~a~~d) Unsigned manufacturer firmware update:

~~2~~1) Normal standby condition - smoke detector shall comply with Clause 79.2.6.

59.5 Refer to Markings 89.1(t~~u~~) for marking specifications.

89.1 A detector shall be permanently marked with the following information in a contrasting color, finish, or equivalent. Unless the letter height is specified all markings shall be at least 1.2 mm (3/64 in) high.

t) ~~The end-of-life marking requirements shall apply as follows:~~
~~1)~~ Smoke Detectors with Specified Lifetime (i.e. limited life components) shall be marked with the following or equivalent: “Replace after X years”, where X = Lifetime of the product when the end-of-life signal will be initiated based on manufacturer’s recommended end-of-life not to exceed 10 years.

UL 448A, Standard for Safety for Flexible Couplings and Connecting Shafts for Stationary Fire Pumps

1. Editorial revisions: Referenced Publications, Components Section

~~2.4 A component that is also intended to perform other functions such as overcurrent protection, ground-fault circuit-interruption, surge suppression, any other similar functions, or any combination thereof, shall comply additionally with the requirements of the applicable standard(s) that cover devices that provide those functions.~~

BSR/UL 746A, Standard for Safety for Polymeric Materials – Short Term Property Evaluations

1. Inclusion of Requirements for Chemically Recycled Plastics in Table 9.1

PROPOSAL

~~4.1.1~~ 4.1A CHEMICALLY RECYCLED PLASTICS – The process in which traditional polymerization starting ingredients (e.g., fossil-based “pre-cracker” hydrocarbons or polymerization monomers) are sourced ~~by~~ from compounds derived from the chemical or thermal decomposition of plastics (reconstituted).

NOTE: For the purpose of this Standard, starting ingredients sourced from plant-based matter or other non-traditional inputs for the polymerization of plastics can be identified as chemically recycled.

BSR/UL 746A Standard for Safety for Polymeric Materials – Short Term Property Evaluations

1. Revision of Requirements for Resistance of Polymeric Materials to Chemical Reagents in Section 39

PROPOSAL

RESISTANCE OF POLYMERIC MATERIALS TO CHEMICAL REAGENTS

39 Standard Practices for Evaluating Resistance of Polymeric Materials to Chemical Reagents

Note from the STP Project Manager: This proposal does not include any revisions of Paragraph 39.1. The inclusion of Paragraph 39.1 in the Proposal is for reference only.

39.1 This section covers the standard practices for evaluating resistance to chemical reagents of all polymeric materials – including cast, hot-molded, cold-molded, laminated, resinous products and sheet material – and is described in the Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents, ASTM D 543.

39.2 ~~ASTM D 543 involves subjecting polymeric test specimens to reagents that are representative of the main categories of chemical compounds. After conditioning, specimens of identical dimensions and like methods of preparation are to be immersed in fresh reagents for a period of 7 days.~~ The practices involve customizing of conditions to mimic end use exposure or comparative ranking of materials. Both the effects of chemical exposure and stress exposure may be studied as specified in 39.4 and 39.5. Solvents chosen can be per need, with lists already provided for reference of a standard list of reagents, military application specific fluids, and with some guidance for automotive fluid exposure and hospital exposure. The conditioning of polymeric material studied can either be immersion of the material in the fluid or a wet patch/wipe technique. The study can be conducted with chemical exposure alone, or chemical exposure in the presence of strain to promote quicker failure.

39.3 ~~Specimens of molded products (formed by extrusion, compression molding, and injection molding) are to be in the form of disks measuring 50 mm (2 inches) in diameter with a thickness of 3.2 mm (0.125 inch) molded or cut from molded slabs. Specimens for sheet material are to be in the form of bars 76 mm (3 inches) in length by 25 mm (1 inch) in width with a thickness of 3.2 mm (0.125 inch). Disks of the size of the molded specimens are also acceptable.~~ The recommended dimensions of specimens is to be in accordance with the specific test to be studied and guidance to be provided in accordance with Test Specimens of Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents, ASTM D 543.

39.4 ~~Procedure in~~ Practice A of Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents, ASTM D 543 ~~covers physical changes to specimens on a before-and-after format. After exposure to the reagent, the test samples are to be reweighed and remeasured to determine any physical changes from before immersion. General appearance is also to be noted.~~ covers immersion and exposure to chemical reagents without additional stress. Procedure 1 in Practice A covers the study of changes in weight, dimensions, appearance and color, while Procedure 2 covers the study of mechanical properties with exposure.

39.5 ~~Procedure in~~ Practice B of Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents, ASTM D 543 ~~is comparative in format. The mechanical properties of identical immersed and nonimmersed specimens are to be determined in accordance with the standard method for tests prescribed in the specifications for the material being tested. Specimens used in this procedure are to be prepared from the same sample or lot of the material in the same manner and run under identical conditions. Test results can be used as parameters of changes in mechanical properties due to exposure to the chemical reagent.~~ covers exposure to chemicals in the presence of stress and includes the ESCR (environmental stress cracking resistance) techniques. The mechanical properties of identical exposed and non-exposed specimens are to be determined. Testing can include mechanical properties or simply the appearance of cracks with subject strain and time.

BSR/UL 1449, Standard for Safety for Surge Protective Devices

2. Types 1, 2 and 3 Enclosed SPDs Incorporating a Replaceable SPD Module

PROPOSAL

85.44 SPDs provided with replaceable SPD modules as described in 36A that are intended to be replaced in the field shall be marked to indicate the type of replaceable SPD module (for example fuse class, current, and voltage rating) of the replacement SPD module and/or modules. In addition, the SPD shall be marked "WARNING" and the following or equivalent wording shall be provided – "For continued surge protection, replace only with same type and rating of SPD Module" Lettering shall not be less than 2.4 mm (3/32 inch) high. These markings shall be located so as to be visible during SPD Module replacement.

3. Clarifications and Updates to Table 48.1 (Test Program)

PROPOSAL

Table 48.1
Test Program

UL Standard	Test		Specimen Groups									
			A	B	C	D	E	F	G	H	I	J
60691	Temperature and Humidity Cycle Conditioning [a]		X	X	X			X	X			
60691	Dielectric Strength (if applicable) [c]		X	X	X			X	X			
60691	Insulation Resistance (if applicable) [c]		X	X	X			X	X			
60691	Interrupting Current [b]							X	X			
1449	Surge Testing and Operational Voltage Sequence		X	X						X		
60691	Temperature Tests											
60691	Check of T_f [d]		X		X							
60691	Check of T_m [f]				X	X						
60691	Ageing			X			X			X	X	X
	Step 1 (optional)	21 days										
	Step 2 (mandatory)	21 days										
	Step 3 (mandatory)	14 days										
	Step 4 (mandatory)	7 days										
	Step 5 (mandatory)	7 days										
	Step 6 (mandatory)	24 hours										
60691	Dielectric Strength (if applicable) [c]		X	X	X	X	X	X	X	X	X	X
60691	Insulation Resistance (if applicable) [c]		X	X	X	X	X	X	X	X	X	X

~~[a] The 24 hour temperature aging portion of the Temperature and Humidity Cycling shall be conducted at the maximum or the maximum temperature measured on the disconnect means, during the Temperature Test of Section 40 of UL 1449, whichever is greater. Testing may be conducted in a test chamber with a ±2°C temperature tolerance. Temperature Conditioning of component assemblies with a varistor shall be conducted at a minimum 85°C unless the Metal Oxide Varistors are limited to an end-use temperature between 60°C and 84°C.~~

UL Standard	Test	Specimen Groups									
		A	B	C	D	E	F	G	H	I	J

[a] The Temperature & Humidity Cycle Conditioning is conducted as detailed in UL 60691 except that 24 hour Temperature Conditioning is conducted at the highest temperature of any of the following:

(a) At 60°C (140°F), or

(b) The maximum rated Ambient Air Temperature, or

(c) The maximum temperature measured on the disconnect means, during the Temperature Test of Section 40 of UL 1449.

Temperature Conditioning of Type 1, 2, 3 or 4 component assemblies with a varistor shall be conducted at minimum 85°C (185°F) unless the varistors are limited to an end-use temperature between 60°C (140°F) and 84°C (183°F). Testing may be conducted in a test chamber with a ±2°C (±3.6°F) temperature tolerance.

[b] If the conditions of voltage, power and current in the Interrupting Current Tests of UL 60691 are not covered by one test, a minimum of three samples should be used for each condition. Power Factor shall be 0.75 to 0.8 for SPDs for cord-connected and direct plug-in applications. Power Factor shall be 0.6 for SPDs for permanently connected applications. For SPDs not rated nor intended to carry current, other than surge current, the samples shall be subjected to the Limited Current Abnormal Overvoltage Test at the 10A level, in lieu of the Interrupting Current Test.

[c] If Acceptable Results are obtained between Disconnection Means (between open contacts) for both the Dielectric Strength and Insulation Resistance Tests, "board level" Type 4 component assemblies do not need to comply with the Dielectric Strength and Insulation Resistance Testing requirements, between Live Part and the body of the discrete component (wrapped in foil) provided conditions of use indicate that there was dielectric breakdown between live parts and the body of the discrete component (wrapped in foil). As such, proper spacings need to be maintained between the discrete component, other live parts and dead-metal parts.

[d] For Type 3 SPDs connected in series with the load, the thermal-link may open at a temperature less then Tf-10°C, provided the opening temperature is greater than the maximum declared end-use temperature.

[e] Step 1 of the Aging portion of the Temperature Tests is conducted as detailed in UL 60691 except that Aging is conducted at the maximum declared end-use temperature. If the measured end-use temperature exceeds the declared value, then the test shall be conducted at 10°C higher than this measured temperature. Testing may be conducted in a test chamber with a ±2°C temperature tolerance.

[f] The Dielectric Strength and Insulation Resistance Tests following the Maximum Temperature Test shall be conducted with the samples at room temperature.

Note 1 – The Surge Testing Sequence is conducted instead of the Transient Overload Current Test (UL 60691) as the requirements in UL 1449 are more severe and demonstrate that the thermal-link feature is NOT damaged by the normal surges that an SPD is intended to subjected to.

Note 2 – 30 Samples are required for the test program.

Note 3 – If the identification of the thermal element material has not been previously determined by UL, then the material will need to be subjected to the Differential Scanning Calorimeter test for identification.

Note 4 – Unless Sequence H is being conducted as representative of the as-received Nominal Discharge Current Testing. Nominal Discharge Current Testing of sequences A, B and H can be conducted without applying MCOV.

UL 2218, Standard for Safety for Impact Resistance of Prepared Roof Covering Materials

1. Acceptance Criteria Clarification

7.1 The prepared roof covering material is to be examined after being subjected to the test procedure described in Section 6. The prepared roof covering material exposed surface, back surface and underneath layers shall show no evidence of tearing, fracturing, cracking, splitting, rupture, crazing or other evidence of opening through any of the prepared roof covering layer~~s~~, except as described in Sections 7.3 and 7.4.

7.3 A ~~surface~~ crack on the surface exposed to weather shall not be determined to be a failure. A visible crack on the back of asphalt shingles or a crack that extends through the cross-section of any layer of the roof covering material ~~layer~~ shall be determined to be a failure.

2. Terminology Clarifications for Consistency

1.2 The test evaluates the effect of impact from the steel ball at locations on the test assembly selected to be most vulnerable, such as (but not limited to) edges, corners, unsupported sections and joints.

1.3 This test method does not evaluate the effect of weathering, temperature, aging or similar effects on the impact resistance of prepared roof covering materials. These and other factors, including time, roof slope, roof system configuration and application influence the performance of prepared roof~~ing~~ covering materials in the field. It is not the objective of this test to address all of these factors.

1.4 The impact energies used in this Standard were derived from impact energies of actual hailstones (see Appendix A). However, largely due to the effects discussed in 1.3, there is no currently established direct correlation between the performance of prepared roof covering materials when impacted by hailstones versus steel balls. Consequently, this test method does not provide a direct basis to compare expected performance under all hail conditions, but does provide a basis for comparison of the response of the prepared roof covering~~s~~ materials when subjected to the impact energies described herein.

4.1.1 Representative samples of a prepared roof covering material are to be applied, as described in 4.3, to test decks constructed as described in 4.2. The assemblies are to be conditioned in accordance with 4.4 prior to testing.

4.3.1 The prepared roof covering material to be tested is to be applied in accordance with the manufacturer's instructions to the test deck. The material is to extend to and be flush with the edges of the deck.

4.4.3 For prepared roof covering materials with factory-applied adhesives, the completed test assemblies are to be placed in a conditioning cell and maintained at a temperature of 57 – 60°C (135 – 140°F) for a continuous period of not less than 16 hours. To avoid damage when examining tested samples, prevent the self-seal adhesive from adhering by covering it with masking tape or other similar type material. After conditioning, the test assemblies are to be allowed to cool to room temperature. Care is to be taken to avoid disturbing shingle tabs or causing any twisting or distortion of the test panels in handling.

6.4 For prepared roof covering materials having the flexibility to be bent over a 6-in (152.4 mm) diameter mandrel, damage assessments are to be facilitated by bending the prepared roof covering material ~~layer~~ over the mandrel at each impact location, with the top surface in contact with the mandrel. The prepared roof covering material area having received the impact is to be bent over the mandrel on two axes (machine direction and 90° to the machine direction).

8.1 The report shall include the following:

a) Description of the sample preparation and deck construction;

b) Description of the sample;

c) Sample conditioning procedure;

d) Size of steel ball and impact locations;

e) Observations of each impact location, including:

1) *Deleted*

2) Any tearing, fracturing, cracking, splitting, rupture, crazing, or other evidence of opening of the prepared roof covering material layer.

3) Any chipping or peeling of metal shingle coatings or other coated prepared roof covering materials.

4) Any chipping or spilling of concrete tile or fiber cement shingles, other than those which extended through the shingle or tile cross-section.

f) Determination of pass or fail.

9 Classes of Prepared Roof Coverings Materials for Impact Resistance

9.1 Prepared roof coverings materials evaluated in accordance with this method are of the following four classes (also as shown by Table 5.1):