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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-1-202x, Marine Liquefied Petroleum Gas (LPG) Systems (revision of ANSI/ABYC A-1-2018)

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 liquefied petroleum gas 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 liquefied petroleum gas (LPG) systems used for cooking, heating, air conditioning, and refrigeration on all boats up to the point of interface with the 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-4-202x, Fire Fighting Equipment (revision of ANSI/ABYC A-4-2018)

Stakeholders: Boat manufacturers, insurance personnel, surveyors, trade organizations.

Project Need: This standard identifies safety issues with fire-fighting equipment on boats.

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 portable handheld fire extinguishers and fixed fire extinguishing systems on boats equipped with an engine, an electrical system, or heat-producing devices.

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-6-202x, Refrigeration and Air Conditioning Equipment (revision of ANSI/ABYC A-6-2018)

Stakeholders: Boat manufacturers, insurance personnel, surveyors, trade organizations, and consumers.

Project Need: This standard identifies safety issues with refrigeration and air-conditioning systems on boats.

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 refrigeration and air conditioning systems on boats. These standards apply to systems utilizing mechanical gas compression for comfort cooling, heating, dehumidification, and refrigerated food storage 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 A-33-202x, Emergency Engine/Propulsion Cut-Off Devices (revision of ANSI/ABYC A-33-2020)

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

Project Need: This standard addresses the design, construction, installation, and performance of devices used to disable the propulsion system when the operator is unexpectedly displaced from the boat and may include provisions to alert the operator when passengers are unexpectedly displaced from the boat.

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

Scope: This standard applies to all recreational boats less than 26 ft (8 m) capable of developing 115 lb (52.2 kg) or more of static thrust, all mechanically powered boats equipped with devices that disable propulsion when the operator is unexpectedly displaced from the boat, and boats equipped with a warning system for passengers unexpectedly displaced from the boat.

ASABE (American Society of Agricultural and Biological Engineers)

Jean Walsh; walsh@asabe.org | 2950 Niles Road | Saint Joseph, MI 49085 <https://www.asabe.org/>

Revision

BSR/ASAE S422.2 MONYEAR-202x, Mapping Symbols and Nomenclature for Erosion and Sediment Control Plans for Land Disturbing Activities (revision of ANSI/ASAE S422.1-2015 (R2019))

Stakeholders: State Erosion and Sediment Control program managers.

Project Need: Revise nomenclature definitions and update use of different practices.

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

Scope: The purpose of this Standard is to establish a list of standard descriptive elements for use in erosion- and sediment-control plan development. These elements consist of mapping symbols, keys, modifiers, and corresponding nomenclature. By improving consistency across plans, this Standard should facilitate the use and review of such plans by contractors and other professionals. The standard does not imply that these practices are suitable for erosion or sediment control in any or all applications and it should not be used in lieu of other construction information.

ASCE (American Society of Civil Engineers)

James Neckel; jneckel@asce.org | 1801 Alexander Bell Drive | Reston, VA 20191 www.asce.org

Revision

BSR/ASCE/CI 67-202x, Schedule Delay Analysis (revision of ANSI/ASCE/CI 67-2017)

Stakeholders: Users of the standard could include owners, contractors, subcontractors, and consultants who deal with schedule delay claims.

Project Need: This standard guideline is needed to help minimize the transactional cost of dispute by eliminating the disagreement over method with a set of guidelines or principles that apply in all situations.

Interest Categories: Consumer, Producer, General Interest, Regulatory, and Associate Non-Voting Members.

Scope: The 35 guidelines in this standard allow for segmentation of responsibility for delay to intermediary milestones and to the project completion date. They also enable delay damages or liquidated damages to be calculated by utilizing critical path method schedule techniques and preparing a schedule delay analysis. The guidelines in this standard are based on principles of schedule delay analysis in the following categories: Critical path, Float, Early completion, Chronology of delay, Concurrent delay, Responsibility for delay, Changing schedules after the fact, and Acceleration. The application of such principles should be based on the terms of the contract, contract administration, consistency in application, and legal precedent. These standard guidelines provide commentary, support for, and explanations of this ASCE standard committee's list of guidelines.

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

Tanisha Meyers-Lisle; tmlisle@ashrae.org | 180 Technology Parkway | Peachtree Corners, GA 30092 www.ashrae.org

Revision

BSR/ASHRAE Standard 182-202X, Method of Testing Absorption Water-Chilling and Water-Heating Packages (revision of ANSI/ASHRAE Standard 182-2020)

Stakeholders: Equipment manufacturers, particularly of large chillers and chiller-heaters, and certification agencies such as AHRI.

Project Need: Standard 182 needs to be modified to include large-size absorption heat pumps utilized in industrial applications.

Interest Categories: User, Producer, and General Interest.

Scope: The purpose of this standard is to prescribe a method of testing absorption water-chilling and water-heating absorption packages to verify capacity and thermal energy input requirements at a specific set of operating conditions.

CSA (CSA America Standards Inc.)

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

New Standard

BSR/CSA V601-202x, Hydrogen fuel cell power system onboard rolling stock (new standard)

Stakeholders: Consumers, manufacturers, regulators, operators, and users.

Project Need: To support innovation and deployment in the field of hydrogen-powered locomotives by providing guidance for the safe operations in the North American context. The need has been identified by industry stakeholders as there is no such document for North America.

Interest Categories: General Interest, Operators/Manufactures, Users.

Scope: The document will primarily address the safety aspects of powering a locomotive with hydrogen fuel cells. The technical aspects to be covered include suitability of the fuel cell for the application and environment, on-board storage and piping, the fueling interface, fueling protocol, fire protection/suppression, and inspection and maintenance.

CSA (CSA America Standards Inc.)

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

New Standard

BSR/CSA V602-202x, Onboard lithium-ion traction batteries for rolling stock (new standard)

Stakeholders: Consumers, manufacturers, regulators, operators, and users.

Project Need: In advance of developing the standard, a technical specification will be published and used as the basis for the national standard. The development of this standard will support the safe deployment and the use of lithium-ion traction batteries for rolling stock applications as a U.S. standard does not exist for this application of this technology. Industry stakeholders have confirmed that development of a national standard for the lithium-ion traction batteries for rolling stock applications would support technological advancement and deployment.

Interest Categories: Consumers, manufacturers, regulators, operators, and users.

Scope: This document is applicable to the onboard lithium-ion traction batteries for rolling stock applications. This document addresses the design, safety, and data communication requirements of onboard traction battery systems for rolling stock applications. Battery systems described in this document are used for the energy storage system (ESS) for the traction power for rolling stock applications. This document specifies basic safety requirements for the following systems and components that may be applied onboard rolling stock that powers a traction system:

- Battery system;
- Battery management system; and
- Battery thermal management system.

Power conversion equipment (e.g., chopper, converter, etc.), inductors, capacitors, and switchgear are excluded from the scope of this document.

CSA (CSA America Standards Inc.)

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

New Standard

BSR/CSA V801-202x, Battery Circularity Standard (new standard)

Stakeholders: Regulators, manufacturers, utilities, and industry associations.

Project Need: Many governments have introduced strict emissions requirements for automotive OEMs, some even banning the sale of petroleum-fueled vehicles in the 2030s. Automotive OEMs have responded with plans to phase out the production of these polluting vehicles in the next 10 to 15 years with plans to replace them with zero-emission vehicles, primarily Electric Vehicles (EVs). Most EVs are powered by lithium-ion batteries (LiBs). LiBs are constructed with materials that are available in limited quantities and mined in energy intensive processes.

Interest Categories: Regulators, manufacturers, utilities, and industry associations.

Scope: The Battery Circularity Standard includes requirements for the battery lifecycle, covering mineral extraction, processing, battery manufacturing and assembly, distribution, end use application, and end-of-life management (reuse, recycling, and reprocessing). These elements include but are not limited to the following aspects:

- Mining processes;
- Mineral processing;
- Battery manufacturing;
- Labelling of battery (ex. material composition, recycled materials, etc.);
- Design practices to simplify recycling;
- End of life;
- Monitoring database of spent batteries;
- Safe disassembly of the battery from the vehicle;
- Handling of the battery by personnel;
- Transportation of batteries;
- Storage of batteries;
- Refurbishing batteries;
- Facilities for removal, testing, storage, and processing of spent batteries;
- Processing or re-purposing of batteries for second-life application;
- Recycling batteries;
- Processing of batteries for recycling;
- Qualifying recycled materials for new batteries;
- Disposal; and
- Processing of batteries for disposal.

This standard is applicable to lithium-ion batteries for vehicles (on- and off-road), energy storage, and other high-power applications.

IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

Terry Burger; terry.burger@asse-plumbing.org; standards@iapmostandards.org | 18927 Hickory Creek Drive, Suite 220 | Mokena, IL 60448 <https://www.iapmostandards.org>

New Standard

BSR/IAPMO Z1386-202x, Plastic Leaching Chamber (new standard)

Stakeholders: Plumbing and construction contractors, manufacturers, regulatory authorities.

Project Need: Currently, there are no standards in the US which covers plastic leaching chambers. Leaching chambers are typically used in lieu of conventional pipe-and-gravel leaching fields and trenches. Identification of material and performance requirements are important to ensuring these product are acceptable substitutions for pipe-and-gravel leaching field systems.

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

Scope: This Standard covers leaching chambers made of high-density polyethylene, polypropylene, or polyethylene terephthalate intended for infiltrating wastewater into the soil and specifies requirements for materials, physical characteristics, performance testing, and markings.

IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

Terry Burger; terry.burger@asse-plumbing.org; standards@iapmostandards.org | 18927 Hickory Creek Drive, Suite 220 | Mokena, IL 60448 <https://www.iapmostandards.org>

New Standard

BSR/IAPMO Z1388-202x, Supply Stops with Integral Water Hammer Arrester (new standard)

Stakeholders: Plumbing installers, plumbing engineers and specifiers, regulatory authorities.

Project Need: Currently standards for product that combine supply stops with integral water hammer protection do not exist.

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

Scope: This standard covers supply stops with integral water hammer arresters and specifies requirements for materials, physical characteristics, performance testing, and markings.

IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

Terry Burger; terry.burger@asse-plumbing.org; standards@iapmostandards.org | 18927 Hickory Creek Drive, Suite 220 | Mokena, IL 60448 <https://www.iapmostandards.org>

New Standard

BSR/IAPMO Z1389-202x, Bundled Expanded Polystyrene (EPS) Synthetic Aggregate Systems (new standard)

Stakeholders: Plumbing and construction contractors, manufacturers, regulatory authorities.

Project Need: Bundled synthetic aggregate made of expanded polystyrene (EPS) is commonly used in subsurface drainage applications. Currently, there are no material or performance requirements for these product.

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

Scope: The requirements of this Standard are not intended to prevent the use of alternative materials or methods of construction provided such alternatives meet the intent and requirements of this Standard.

IEST (Institute of Environmental Sciences and Technology)

Jennifer Sklena; jsklena@iest.org | 1827 Walden Office Square, Suite 400 | Schaumburg, IL 60173 www.iest.org

National Adoption

BSR/IEST/ISO 14644-4-202x, Design, construction, and start-up (identical national adoption of ISO 14644-4)

Stakeholders: Anyone involved in the cleanroom industry, including equipment manufacturers and users.

Project Need: This document specifies the process for creating a cleanroom from requirements through to its design, construction, and start-up. It applies to new, refurbished, and modified cleanroom installations. It does not prescribe specific technological or contractual means of achieving these requirements. It is intended for use by users, specifiers, designers, purchasers, suppliers, builders, and performance verifiers of cleanroom installations. The primary cleanliness consideration is airborne particle concentration. Detailed checklists are provided for the requirements, design, construction, and start-up, which include important performance parameters to be considered. Energy management design approaches are identified to support an energy-efficient cleanroom design. Construction guidance is provided, including requirements for start-up and verification. A basic element of this document is consideration of aspects, including maintenance, that will help to ensure continued satisfactory operation for the entire life cycle of the cleanroom.

Interest Categories: User, Producer, Government, General.

Scope: This document provides guidance for the design, construction, and start-up of cleanrooms, both new and those undergoing modification or refurbishment. In this edition, a more structured approach is provided with separate normative sections on requirements, design, construction, and start-up, supported by four corresponding informative annexes. For this edition, key recommendations and considerations include: (a) A structured approach with a logical sequential flow through the design, construction, and startup stages; (b) Inclusion of other cleanliness attributes; (c) Importance of a contamination risk assessment; (d) A clear statement of requirements, namely everything needed for input into the design, including the purpose of the cleanroom and the acceptance criteria for performance parameters; (e) Ventilation effectiveness; (f) Using air-supply rate for calculations of contaminant dilution and removal; (g) Energy efficiency and life-cycle considerations; and (h) A clean build protocol.

NEMA (ASC C18) (National Electrical Manufacturers Association)

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

Revision

BSR C18.5M Part 1-202x, Portable Lithium Rechargeable Cells and Batteries - General and Specifications (revision of ANSI C18.5M Part 1-2020)

Stakeholders: Manufacturers, users, and testing laboratories of Portable Rechargeable Cells and Batteries.

Project Need: To update the standard for Lithium Rechargeable Cells and Batteries.

Interest Categories: Producers, Users and Testing Labs, General Interests.

Scope: This publication applies to portable rechargeable, or secondary, lithium cells and batteries. This document covers secondary lithium cells and batteries with a range of chemistries. Each electrochemical couple has a characteristic voltage range over which it releases its electrical capacity, a characteristic nominal voltage and a characteristic final voltage during discharge. See Table 1 for further details of the electrochemical systems included in the scope of this standard. This document defines a minimum required level of performance and a standardized methodology by which testing is performed and the results of this testing reported to the user.

PEARL (Professional Electrical Apparatus Recyclers League)

Michael Tierney; mtierney@kellencompany.com | 17 Faulkner Drive | Niantic, CT 06357 www.pearl1.org

Revision

BSR/PEARL EERS-202x, Electrical Equipment Reconditioning Standard (EERS) (revision of ANSI/PEARL EERS -2018)

Stakeholders: Re-conditioners, Dealers, Building Owners, Code Officials, Manufacturers.

Project Need: Periodic update.

Interest Categories: Electrical Equipment Recyclers, Field Service, General Interest, Producer, Producer and/or Electrical Equipment Recyclers, User.

Scope: This standard describes procedures necessary to assess, recondition, and validate electrical equipment to safely reuse. It is prepared from a reconditioning shop perspective and intended to be a resource for trained and experienced in-shop technicians, giving them a view of inspection points and critical components and subassemblies in appropriate order to affect the reconditioning procedure. The Standard relates to power distribution systems and components ranging to 38,000 VAC and magnetic control devices and systems up to 5,000 VAC. While this Standard is not intended to be a step-by-step, HOW TO instruction, following the stages and steps of the Standard, utilizing the referenced material indicated within, should result in measurable improvement of the safety, reliability, and extended service life of the materials subject to the process described in the Standard.

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 6, 2022

NSF (NSF International)

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

Revision

BSR/NSF 42-202x (i123r1), 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 control 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.

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

Send comments (copy psa@ansi.org) to: Monica Milla; mmilla@nsf.org

Comment Deadline: November 6, 2022

NSF (NSF International)

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

Revision

BSR/NSF 44-202x (i50r1), 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.

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

Send comments (copy psa@ansi.org) to: Monica Milla; 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 (i147r1), 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.

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

Send comments (copy psa@ansi.org) to: Monica Milla; 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 (i148r1), 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.

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

Send comments (copy psa@ansi.org) to: Monica Milla; mmilla@nsf.org

Comment Deadline: November 6, 2022

NSF (NSF International)

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

Revision

BSR/NSF 55-202x (i64r1), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2021)
The purpose of this Standard is to establish minimum requirements for the reduction of microorganisms using ultraviolet radiation (UV). UV water treatment systems covered by this Standard are intended for water that may be either microbiologically safe or microbiologically unsafe. 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.

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

Send comments (copy psa@ansi.org) to: Monica Milla; mmilla@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 58-202x (i102r1), 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.

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

Send comments (copy psa@ansi.org) to: Monica Milla; mmilla@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 62-202x (i45r1), 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.

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

Send comments (copy psa@ansi.org) to: Monica Milla; mmilla@nsf.org

Comment Deadline: November 6, 2022

NSF (NSF International)

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

Revision

BSR/NSF 244-202x (i21r1), 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.

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

Send comments (copy psa@ansi.org) to: Monica Milla; mmilla@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 401-202x (i29r1), Drinking Water Treatment Units - Emerging Compounds/Incidental Contaminants (revision of ANSI/NSF 401-2021)

The purpose of this Standard is to establish minimum requirements for materials, design and construction, and performance of drinking water treatment systems that are designed to reduce emerging compounds in public or private water supplies, such as pharmaceutical, personal care products (PPCPs), and endocrine disrupting compounds (EDCs).

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

Send comments (copy psa@ansi.org) to: Monica Milla; 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 (i34r1), 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: Rachel Brooker; rbrooker@nsf.org

Comment Deadline: November 6, 2022

NSF (NSF International)

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

Revision

BSR/NSF 455-2-202x (i47r1), 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: Rachel Brooker; rbrooker@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 455-2-202x (i48r1), 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: Rachel Brooker; rbrooker@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 455-3-202x (i31r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2021)

This standard is intended to define a standardized approach for auditing to determine the level of compliance of cosmetic products to ISO 22716, as well as incorporating additional retailer requirements.

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

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

NSF (NSF International)

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

Revision

BSR/NSF 455-3-202x (i36r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2021)

This standard is intended to define a standardized approach for auditing to determine the level of compliance of cosmetic products to ISO 22716, as well as incorporating additional retailer requirements.

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

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

Comment Deadline: November 6, 2022

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 758-202x, Standard for Safety for Appliance Wiring Material (revision of ANSI/UL 758-2022)

1.1 These requirements cover Appliance Wiring Material (AWM) in the form of single insulated conductors, multi-conductor cables, optical fibers, individual insulated conductors, and fiber optic members for use as components in multi-conductor cables. 1.2 The appliance wiring material covered by the requirements of this Standard are solely for use as factory-installed wiring either within the overall enclosure of appliances and other equipment (internal wiring) or as external interconnecting cable for appliances (external wiring), or for further processing as components in multi-conductor cables. 1.3 These requirements do not cover any wire, cable, or cord types that are presently covered in the National Electrical Code (NEC), NFPA 70, and are not intended for installation in buildings or structures in accordance with the NEC except within the scope of the installation instructions of the end-product for which their use is intended. 1.4 These requirements cover appliance wiring material with operating temperatures from a minimum 60°C (140°F) dry temperature rating and voltage ratings from a minimum 30-volt rating. Conductor size ranges from 50 AWG to 2000 kcmil. Appliance wiring material (AWM) composed entirely of optical fiber members or electrical conductors in combination with optical fiber members are also covered by these requirements. 1.5 These requirements do not cover the optical performance of any optical-fiber member or group of such members. 1.6 These requirements do not cover constructions which utilize flat, insulated conductors that are not laid parallel. The requirements for these products are found in the Standard for Flexible Materials Interconnect Constructions, UL 796F. 1.7 The evaluation of the performance of the semi-conductive polymeric layer described in 5.9 is not covered by this Standard. 1.8 In addition to these constructions, this Standard establishes guidelines for the evaluation of special constructions that, due to their specific end product use, are not required to meet all of the requirements for general construction AWM. 1.9 The final acceptance of AWM is dependent upon its use in complete equipment that conforms with the standards applicable to such equipment.

[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 | patricia.a.sena@ul.org, <https://ul.org/>

Revision

BSR/UL 943-202x, Standard for Safety for Ground-Fault Circuit-Interrupters (revision of ANSI/UL 943-2018)

(1) Corresponding proposal for the formal interpretation decision dated May 26, 2020 - Indication of Supervisory Test Function; (8) Revision of requirements to allow remote ON and OFF switching of GFICs; (12) Open Neutral Protection – Extra-Low-Resistance Ground Fault Test and Short Circuit Test.

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

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

ULSE (UL Standards & Engagement)

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Revision

BSR/UL 1660-202x, Standard for Safety for Liquid-Tight Flexible Nonmetallic Conduit (revision of ANSI/UL 1660-2019)

Withdrawal of proposal: Marking requirements for suitability for use in swimming pool corrosive environments.

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

Send comments (copy psa@ansi.org) to: Celine Eid, celine.eid@ul.org

Comment Deadline: November 6, 2022

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1998-202x, Standard for Safety for Software in Programmable Components (revision of ANSI/UL 1998-2018a)
The proposed revisions to UL 1998 include the removal of limitation to non-networked software.

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

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

Comment Deadline: November 21, 2022

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 135-202x, Scene Detection and Processing in Forensic Anthropology (new standard)

This document provides requirements and best practices for forensic anthropology and forensic archaeology practitioners in proper scene detection, processing, handling of evidence, and maintenance of a chain of custody, commensurate with jurisdictional requirements. These requirements and best practices use archaeological techniques and principles as a foundation for scientifically appropriate detection, processing, documentation, and collection of human remains and associated evidence at a scene.

Single copy price: Free

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

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

AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

Addenda

BSR GPTC Z380.1-2022 TR 2016-18-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2022)

Review GM 192.616 to determine if the information in 196.109 should be included to leak reporting in 2(iii).

Single copy price: Free

Obtain an electronic copy from: <https://www.aga.org/events-community/committees/ansi-asc-gptc-z380---gas-piping-technology/>

Order from: Luis Escobar; lescobar@aga.org

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Comment Deadline: November 21, 2022

AGA (ASC Z380) (American Gas Association)

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Addenda

BSR GPTC Z380.1-2022 TR 2019-03-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2022)

Review new code section for storage and handling of plastic piping and add guide material as appropriate.

Single copy price: Free

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AGA (ASC Z380) (American Gas Association)

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Addenda

BSR GPTC Z380.1-2022 TR 2019-06-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2022)

Review new code section for joining equipment maintenance and add guide materials appropriate in light of Amendment 192-124.

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Addenda

BSR GPTC Z380.1-2022 TR 2019-24-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2022)

Review existing GM and revise as appropriate in light of PHMSA advisory bulletin.

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Addenda

BSR GPTC Z380.1-2022 TR 2019-32-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2022)

(1) Bring more consistency in the level of GM detail regarding how to address specific safety-related conditions (SRCs).

(2) Clarify whether a transmission operator should ever have to make two reports for the same event, one for the MAOP exceedance and one for the SRC.

(3) Review in light of Amd 191-26 (added 7/20).

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Addenda

BSR GPTC Z380.1-2022 TR 2019-44-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2022)

Review existing guide material and revise as appropriate in light of Amendment 192-125.

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AGA (ASC Z380) (American Gas Association)

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Addenda

BSR GPTC Z380.1-2022 TR 2020-15-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2022)

Review NTSB report from Silver Spring, Montgomery County, Maryland.

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AGA (ASC Z380) (American Gas Association)

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Addenda

BSR GPTC Z380.1-2022 TR 2021-03-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2022)

Should the GM for testing components under 192.505(e), referenced below, have been moved or referenced to 192.503 when Amendment 192-120 moved the appropriate reference?

“A single component with a valid ASME or MSS specification pressure rating may be installed without a pressure test. Rating examples are common designations, such as ASME Class 600 Corresponding temperature limits need to be considered for each pressure rating.”

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AGA (ASC Z380) (American Gas Association)

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Addenda

BSR GPTC Z380.1-2022 TR 2021-19-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2022)

Review and revise as required by Amd 192-128.

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AGA (ASC Z380) (American Gas Association)

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Addenda

BSR GPTC Z380.1-2022 TR 2021-24-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2022)

Review and revise GM to address NTSB recommendations to GPTC in National Transportation Safety Board's (NTSB) January 12, 2021, report Atmos Energy Corporation Natural Gas-Fueled Explosion, Dallas, Texas, February 23, 2018, PAR-21/01.

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Comment Deadline: November 21, 2022

AGA (ASC Z380) (American Gas Association)

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Addenda

BSR GPTC Z380.1-2022 TR 2021-25-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2022)

Review existing GM and determine if changes are appropriate in light of recent rolling electric blackouts due to extreme weather conditions.

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AGA (ASC Z380) (American Gas Association)

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Addenda

BSR GPTC Z380.1-2022 TR 2022-05-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2022)

Review 192.925 GM Section 5.4 and revise as necessary based on NACE SP0502-2010 Section 5.5. Current GM 192.925 5.4 language appears to be based on the NACE SP0502-2008 version of Section 5.5 and the GM should reflect the current IBR version of NACE SP0502.

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AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

Addenda

BSR GPTC Z380.1-2022 TR 2022-44-202x, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI GPTC Z380.1-2022)

Correct Figure 192.8C by removing “No” option for diamond stating: “Does the operator choose (b) or (c)?”

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

Comment Deadline: November 21, 2022

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

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

Addenda

BSR/ASHRAE Addendum 55h-202x, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2020)

Addendum h to Standard 55-2020 proposes multiple changes to the standard, including: A new definition for comfort zone and a cleanup of related definitions; Restructuring to remove the concept of a separate elevated airspeed “method” but instead an “adjustment” to the standard method. This restructuring includes edits to Appendix A, which has had a flow chart added to help guide users through the various models that underpin the standard; Replacing the word “acceptability” with “satisfactory” throughout the standard; A rewrite of Appendix H to account for recent changes in the standard and to better explain the concept of comfort zones; An update to the example surveys provided in Appendix L and associated language.

Single copy price: \$35.00

Obtain an electronic copy from: Free download at <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

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

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

Reaffirmation

BSR/ASHRAE Standard 214-2017 (R202x), Standard for Determining and Expressing Building Energy Performance in a Rating Program (reaffirmation of ANSI/ASHRAE Standard 214-2017)

The purpose of this standard is to provide a standardized approach and methodology for determining and expressing building energy performance in a rating program. The purpose of this standard is to standardize the content of the label associated with the energy component of a rating program and establish minimum requirements for rating program documentation.

Single copy price: \$35.00

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

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Comment Deadline: November 21, 2022

ASIS (ASIS International)

1625 Prince Street, Alexandria, VA 22314-2818 | standards@asisonline.org, www.asisonline.org

Revision

BSR/ASIS PSC.1-202x, Management System for Private Security Company Operations - Requirements with Guidance (revision of ANSI ASIS PSC.1-2012 (R2017))

This Standard builds on the Montreux Document and the International Code of Conduct (ICoC) for Private Security Service Providers to provide requirements and guidance for a management system to support quality security operations delivery and associated risk management consistent with respect for human rights, legal obligations, and good practices in circumstances of weakened governance where the rule of law has been undermined due to human or naturally caused events. It provides auditable requirements based on the Plan-Do-Check-Act model for third-party certification of private security service providers working for any client. This Standard aims to improve the services provided by PSCs while maintaining the safety and security of their operations and clients.

Single copy price: \$50.00

Obtain an electronic copy from: standards@asisonline.org

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

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK80925-202x, Test Method for Determining the Combustion Behavior of Layered Assemblies using a Cone Calorimeter (new standard)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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ASTM (ASTM International)

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Reaffirmation

BSR/ASTM E2837-2013 (R202x), Test Method for Determining the Fire Resistance of Continuity Head-of-Wall Joint Systems Installed between Rated Wall Assemblies and Nonrated Horizontal Assemblies (reaffirmation of ANSI/ASTM E2837-2013 (R2017))

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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ASTM (ASTM International)

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Reaffirmation

BSR/ASTM E2988-2017 (R202x), Practice for Specimen Preparation and Mounting of Flexible Fibrous Glass Insulation for Metal Buildings to Assess Surface Burning Characteristics (reaffirmation of ANSI/ASTM E2988-2017)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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ASTM (ASTM International)

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Reaffirmation

BSR/ASTM F905-2004 (R202x), Practice for Qualification of Polyethylene Saddle-Fused Joints (reaffirmation of ANSI/ASTM F905-2004 (R2018))

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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Reaffirmation

BSR/ASTM F1055-2016A (R202x), Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Crosslinked Polyethylene (PEX) Pipe and Tubing (reaffirmation of ANSI/ASTM F1055-2016A)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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Revision

BSR/ASTM D1494-202x, Test Method for Diffuse Light Transmission Factor of Reinforced Plastics Panels (revision of ANSI/ASTM D1494-2017)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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

Revision

BSR/ASTM D2239-202x, Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter (revision of ANSI/ASTM D2239-2021)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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Revision

BSR/ASTM D2737-202x, Specification for Polyethylene (PE) Plastic Tubing (revision of ANSI/ASTM D2737-2021)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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Revision

BSR/ASTM D3035-202x, Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter (revision of ANSI/ASTM D3035-2021)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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Revision

BSR/ASTM D5319-202x, Specification for Glass-Fiber Reinforced Polyester Wall and Ceiling Panels (revision of ANSI/ASTM D5319-2017)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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Revision

BSR/ASTM E84-202x, Test Method for Surface Burning Characteristics of Building Materials (revision of ANSI/ASTM E84-2022)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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Revision

BSR/ASTM E176-202x, Terminology of Fire Standards (revision of ANSI/ASTM E176-2021a)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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ASTM (ASTM International)

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Revision

BSR/ASTM E1354-202x, Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter (revision of ANSI/ASTM E1354-2022B)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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Revision

BSR/ASTM E1623-202x, Test Method for Determination of Fire and Thermal Parameters of Materials, Products, and Systems Using an Intermediate Scale Calorimeter (ICAL) (revision of ANSI/ASTM E1623-2022)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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ASTM (ASTM International)

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Revision

BSR/ASTM E2335-202x, Guide for Laboratory Monitors (revision of ANSI/ASTM E2335-2017)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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Revision

BSR/ASTM E2404-202x, Practice for Specimen Preparation and Mounting of Textile, Paper or Polymeric (Including Vinyl) and Wood Wall or Ceiling Coverings, Facings and Veneers, to Assess Surface Burning Characteristics (revision of ANSI/ASTM E2404-2017)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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Revision

BSR/ASTM E2579-202x, Practice for Specimen Preparation and Mounting of Wood Products to Assess Surface Burning Characteristics (revision of ANSI/ASTM E2579-2021)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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Revision

BSR/ASTM E2599-202x, Practice for Specimen Preparation and Mounting of Reflective Insulation, Radiant Barrier and Vinyl Stretch Ceiling Materials for Building Applications to Assess Surface Burning Characteristics (revision of ANSI/ASTM E2599-2018)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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ASTM (ASTM International)

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Revision

BSR/ASTM E2652-202x, Test Method for Assessing Combustibility of Materials Using a Tube Furnace with a Cone-Shaped Airflow Stabilizer, at 750C (revision of ANSI/ASTM E2652-2019)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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Revision

BSR/ASTM E2690-202x, Practice for Specimen Preparation and Mounting of Caulks and Sealants to Assess Surface Burning Characteristics (revision of ANSI/ASTM E2690-2017B)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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Revision

BSR/ASTM E2748-202x, Guide for Fire-Resistance Experiments (revision of ANSI/ASTM E2748-2012A (R2017))

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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Revision

BSR/ASTM E2965-202x, Test Method for Determination of Low Levels of Heat Release Rate for Materials and Products Using an Oxygen Consumption Calorimeter (revision of ANSI/ASTM E2965-2022)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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Revision

BSR/ASTM E3048-202x, Test Method for Determination of Time to Burn-Through Using the Intermediate Scale Calorimeter (ICAL) Radiant Panel (revision of ANSI/ASTM E3048-2022)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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Revision

BSR/ASTM F1412-202x, Specification for Polyolefin Pipe and Fittings for Corrosive Waste Drainage Systems (revision of ANSI/ASTM F1412-2016)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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Revision

BSR/ASTM F2159-202x, Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring, or Alternate Stainless Steel Clamps for SDR9 Crosslinked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F2159-2021)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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ASTM (ASTM International)

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

Withdrawal

ANSI/ASTM E1352-2016, Test Method for Cigarette Ignition Resistance of Mock-Up Upholstered Furniture Assemblies (withdrawal of ANSI/ASTM E1352-2016)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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Withdrawal

ANSI/ASTM E1353-2021, Test Methods for Cigarette Ignition Resistance of Components of Upholstered Furniture (withdrawal of ANSI/ASTM E1353-2021)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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AWWA (American Water Works Association)

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

Revision

BSR/AWWA B305-202x, Anhydrous Ammonia (revision of ANSI/AWWA B305-2015)

This standard describes the use of anhydrous ammonia in the treatment of potable water, wastewater, and reclaimed water. Anhydrous ammonia is expressed by the formula NH_3 . Anhydrous means free from water.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

Order from: AWWA, Attn: Vicki David; vdavid@awwa.org

Send comments (copy psa@ansi.org) to: AWWA, Attn: Paul Olson; polson@awwa.org

AWWA (American Water Works Association)

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

Revision

BSR/AWWA B306-202x, Aqua Ammonia (Liquid Ammonium Hydroxide) (revision of ANSI/AWWA B306-2015)

This standard describes aqua ammonia (liquid ammonium hydroxide) for use in the treatment of potable water, wastewater, or reclaimed water.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

Order from: AWWA, Attn: Vicki David; vdavid@awwa.org

Send comments (copy psa@ansi.org) to: AWWA, Attn: Paul Olson; polson@awwa.org

AWWA (American Water Works Association)

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

Revision

BSR/AWWA B404-202x, Liquid Sodium Silicate (revision of ANSI/AWWA B404-2014)

This standard describes liquid sodium silicate used in the preparation of activated silica, which is used as a coagulant aid for the treatment of potable water, wastewater, or reclaimed water and for (1) the control of corrosion and (2) stabilization of iron and manganese.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

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Comment Deadline: November 21, 2022

HL7 (Health Level Seven)

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

Reaffirmation

BSR/HL7 V2 XML, R2-2012 (R202x), HL7 Version 2: XML Encoding Rules, Release 2 (reaffirmation of ANSI/HL7 V2 XML, R2-2012)

This document supersedes Release 1 and contains additional specifications to accommodate new features introduced beginning with HL7 V2.3.1, for example, the use of choice within message structures. This document is valid for all V2.x version which have passed ballot up to and including V2.7.

Single copy price: Free to members and non-members

Obtain an electronic copy from: Karenvan@HL7.org

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

HL7 (Health Level Seven)

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

Reaffirmation

BSR/HL7V3IG SOA KM INFOBUTTON, R1-2013 (R202x), HL7 Version 3 Implementation Guide: Context-Aware Knowledge Retrieval (Infobutton) - Service-Oriented Architecture Implementation Guide, Release 1 (reaffirmation of ANSI/HL7V3IG SOA KM INFOBUTTON, R1-2013)

The scope of this project is to produce a normative version of the Infobutton SOA implementation guide, which has been available as a DSTU for a 2-year period. The DSTU expires in March 2013. This document specifies the following: (1) REST implementations for infobutton capabilities; (2) Knowledge response payload based on the Atom Standard.

Single copy price: Free to members and non-members

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck; Karenvan@HL7.org

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

IAPMO (WES) (International Association of Plumbing & Mechanical Officials)

4755 East Philadelphia Street, Ontario, CA 91761 | hugo.aguilar@iapmo.org, http://www.iapmo.org

Revision

BSR/IAPMO WESstand-2023, Water Efficiency and Sanitation Standard (revision of ANSI/IAPMO WESstand-2020)

The purpose of this standard is to provide minimum requirements to optimize water use practices attributed to the built environment while maintaining protection of the public health, safety, and welfare.

Single copy price: \$10.00

Obtain an electronic copy from: hugo.aguilar@iapmo.org

Order from: Hugo Aguilar, hugo.aguilar@iapmo.org

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

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IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | terry.burger@asse-plumbing.org; standards@iapmostandards.org,
<https://www.iapmostandards.org>

New Standard

BSR/IAPMO Z1324-202x, Alternate Water Source Systems for Multi-Family, Residential, and Commercial Use (new standard)

This Standard covers alternate water source systems for multi-family, residential, and commercial use intended to process water from alternate water sources such as greywater, rainwater, stormwater air conditioning condensate, cooling tower makeup, vehicle wash, and other nonpotable reuse applications not specifically listed, for use in subsurface and/or surface irrigation and toilet/urinal flushing applications, and specifies requirements for materials, physical characteristics, performance testing, and markings. This standard does not cover using blackwater as an alternate water source.

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<https://www.iapmostandards.org>

Revision

BSR/CSA B45.12/IAPMO Z402-202x, Aluminum and copper plumbing fixtures (revision of ANSI/CSA B45.12/IAPMO Z402-2013 (R2018))

This Standard covers aluminum and copper plumbing fixtures and specifies requirements for materials, construction, performance, testing, and markings of these fixtures.

Single copy price: Free

Obtain an electronic copy from: standards@iapmostandards.org

Order from: standards@iapmostandards.org

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<https://www.iapmostandards.org>

Revision

BSR/CSA B45.8/IAPMO Z403-202x, Terrazzo, Concrete, Composite Stone, and Natural Stone Plumbing Fixtures (revision of ANSI/CSA B45.8/IAPMO Z403-2018)

This Standard covers terrazzo; concrete; composite stone; and natural stone plumbing fixtures and specifies requirements for materials, construction, performance, testing, and markings of these fixtures.

Single copy price: Free

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Comment Deadline: November 21, 2022

NEMA (ASC C12) (National Electrical Manufacturers Association)

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

New Standard

BSR C12.30-202x, Test Requirements for Meters Equipped with Service Switches (new standard)

This standard identifies test requirements for meters containing a Service Switch. Most of the tests are tailored to fit Service Switch type meters and originate from the ANSI C12.1 standard. Sections within the ANSI C12.1 standard have been referenced within these tests where applicable. The intent is to use this standard in conjunction with ANSI C12.1. Other tests that are specific to the Service Switch have been added for completeness.

Single copy price: \$59.00

Obtain an electronic copy from: www.nema.org

Order from: www.nema.org

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

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

Reaffirmation

BSR NEMA WC 71/ICEA S-96-659-2014 (R202x), Standard for Non-Shielded Cables Rated 2001-5000 Volts for Use in the Distribution of Electric Energy (reaffirmation of ANSI/NEMA WC 71/ICEA S-96-659-2014)

This standard applies to materials, constructions and testing of 2001- through 5000-volt nonshielded power cables having insulations of crosslinked polyethylene (both XLPE and TR-XLPE) or crosslinked rubber (EPR) of the types shown in Section 4 of the standard. They are intended for use for the distribution of electrical energy in normal conditions of service in indoors, outdoors, aerial, underground, or subsea installations.

Single copy price: \$200.00

Obtain an electronic copy from: communication@nema.org

Order from: khaled.masri@nema.org

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

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

Reaffirmation

BSR/ICEA T-26-465/NEMA WC 54-2013 (R202x), Guide for Frequency of Sampling Extruded Dielectric Power, Control, Instrumentation, and Portable Cables for Test (reaffirmation of ANSI/ICEA T-26-465/NEMA WC 54-2013)

This guide provides a combination of plans for the frequencies at which cable samples may be obtained for tests to determine conformance to the appropriate requirements of ICEA Standards Publications. Valid statistical sampling frequencies other than those listed herein are acceptable if evidence of statistical control can be demonstrated. This guide applies only to extruded dielectric power, control, instrumentation, and portable cables.

Single copy price: \$100.00

Obtain an electronic copy from: communication@nema.org

Order from: <http://www.nema.org/Standards/About-Standards/Pages/How-to-Purchase-a-NEMA-Standard.aspx>

Send comments (copy psa@ansi.org) to: khaled.masri@nema.org

Comment Deadline: November 21, 2022

NFPA (National Fire Protection Association)

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

NFPA FIRE PROTECTION STANDARDS DOCUMENTATION

The National Fire Protection Association announces the availability of the NFPA Second Draft Report for concurrent review and comment by NFPA and ANSI. These Second Draft Reports contain the disposition of public comment(s) that were received for standards in the Fall 2022 Revision Cycle (available for review on the next edition tab for each standard). All Notices of Intent to Make A Motion on the Fall 2022 Revision Cycle Second Draft Report must be received by the following date: November 2, 2022. For more information on the rules and deadlines for NFPA standards in cycle, please check the NFPA website (www.nfpa.org) or contact Standards Administration at NFPA. Those who submit comments to NFPA's online submission system on the Fall 2022 Revision Cycle Standards are invited to copy ANSI's Board of Standards Review.

Revision

BSR/NFPA 2-202x, Hydrogen Technologies Code (revision of ANSI/NFPA 2-2019)

The purpose of this code shall be to provide fundamental safeguards for the generation, installation, storage, piping, use, and handling of hydrogen in compressed gas (GH2) form or cryogenic liquid (LH2) form.

1.3 Application. 1.3.1 This code shall apply to the production, storage, transfer, and use of hydrogen in all occupancies.

Obtain an electronic copy from: www.nfpa.org/2Next

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

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 14-202x, Standard for the Installation of Standpipe and Hose Systems (revision of ANSI/NFPA 14-2019)

This standard covers the minimum requirements for the installation of standpipes and hose systems. This standard does not cover requirements for periodic inspection, testing, and maintenance of these systems. See NFPA 25.

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NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 58-202x, Liquefied Petroleum Gas Code (revision of ANSI/NFPA 58-2020)

This code shall apply to the storage, handling, transportation, and use of liquefied petroleum gas (LP-Gas). General Properties of LP-Gas. Liquefied petroleum gases (LP-Gases), as defined in this code (see 3.3.43), are gases at normal room temperature and atmospheric pressure. They liquefy under moderate pressure and readily vaporize upon release of the pressure. It is this property that allows the transportation and storage of LP-Gases in concentrated liquid form, although they normally are used in vapor form. For additional information on other properties of LP-Gases, see Annex B. Federal Regulations. Regulations of the U.S. Department of Transportation (DOT) are referenced throughout this code. Prior to April 1, 1967, these regulations were promulgated by the Interstate Commerce Commission (ICC). The Federal Hazardous Substances Act (15 U.S.C. 1261) requires cautionary labeling of refillable cylinders of liquefied petroleum gases distributed for consumer use. They are typically 40 lb (13 kg) and less and are used with outdoor cooking appliances, portable lamps, camp stoves, and heaters. The Federal Hazardous Substances Act is administered by the U.S. Consumer Product Safety Commission under regulations codified at 16 CFR 1500, "Commercial Practices," Chapter 11, "Consumer Product Safety Commission."

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NFPA (National Fire Protection Association)

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NFPA FIRE PROTECTION STANDARDS DOCUMENTATION

The National Fire Protection Association announces the availability of the NFPA First Draft Reports for concurrent review and comment by NFPA and ANSI. These First Draft Reports contain the disposition of public inputs that were received for standards in the Fall 2023 Cycle. The First Draft Report is located on the document's information page under the next edition tab. The document's specific URL, www.nfpa.org/doc#next (for example www.nfpa.org/101next), can easily access the document's information page. All Comments on standards in the Fall 2023 Revision Cycle must be submitted by January 4, 2023. The disposition of all comments received from the review of the First Draft Report will be published in the Second Draft Report, and will also be available on the document's information page under the next edition tab. For more information on the rules and up-to-date information on deadlines for processing NFPA standards, check the NFPA website (<http://www.nfpa.org>) or contact Standards Administration at NFPA. Those who submit comments to NFPA are invited to copy ANSI's Board of Standards Review.

Revision

BSR/NFPA 11-202x, Standard for Low-, Medium-, and High-Expansion Foam (revision of ANSI/NFPA 11-2021)

Fire-fighting foam is an aggregate of air-filled bubbles formed from aqueous solutions and is lower in density than flammable liquids. It is used principally to form a cohesive floating blanket on flammable and combustible liquids and prevents or extinguishes fire by excluding air and cooling the fuel. It also prevents reignition by suppressing formation of flammable vapors. It has the property of adhering to surfaces, which provides a degree of exposure protection from adjacent fires. Foam can be used as a fire prevention, control, or extinguishing agent for flammable liquid hazards. Foam for these hazards can be supplied by fixed piped systems or portable foam-generating systems. Foam can be applied through foam discharge outlets, which allow it to fall gently on the surface of the burning fuel. Foam can also be applied by portable hose streams using foam nozzles or large-capacity monitor nozzles or subsurface injection systems. Foam can be supplied by overhead piped systems for protection of hazardous occupancies associated with potential flammable liquid spills in the proximity of high-value equipment or for protection of large areas. The foam used for flammable liquid spills is in the form of a spray or dense "snowstorm."...

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NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 69-202x, Standard on Explosion Prevention Systems (revision of ANSI/NFPA 69-2019)

This standard applies to the design, installation, operation, maintenance, and testing of systems for the prevention of explosions by means of the following methods: (1) Control of oxidant concentration; (2) Control of combustible concentration; (3) Predeflagration detection and control of ignition sources; (4) Explosion suppression; (5) Active isolation; (6) Passive isolation; (7) Deflagration pressure containment; and (8) Passive explosion suppression.

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Comment Deadline: November 21, 2022

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 76-202x, Standard for the Fire Protection of Telecommunications Facilities (revision of ANSI/NFPA 76-2020)

This standard provides requirements for fire protection of telecommunications facilities where telecommunications services such as telephone (landline, wireless) transmission, data transmission, internet transmission, voice-over internet protocol (VoIP) transmission, and video transmission are rendered to the public. It is not intended that this standard apply to private telecommunications facilities. Private telecommunications facilities include rooms specifically used for a business to deliver telecommunications to its employees, containing telecommunication for employees of a company. However, private telecommunications facilities do not include facilities that are owned by non-utility business that provide telecommunications services to the public, including, but not limited to, large medical facilities, universities, large corporate telecommunications networks, military bases, and private prisons. Telecommunications facilities are referred to as telephone exchanges in NFPA 101 and NFPA 5000. The 2012 edition of NFPA 101 classifies telephone exchanges as special-purpose industrial occupancies, and the 2012 edition of NFPA 5000 classifies telephone exchanges as industrial occupancies. Telecommunications facilities include signal processing equipment areas, cable entrance facility areas, power areas, main distribution frame areas, standby engine areas, technical support areas, administrative areas, and building services and support areas occupied by a telecommunications service provider. This standard shall specifically exclude small outdoor structures...

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NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 170-202x, Standard for Fire Safety and Emergency Symbols (revision of ANSI/NFPA 170-2021)

This standard presents symbols used for fire safety, emergency, and associated hazards.

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

NFPA (National Fire Protection Association)

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

Revision

BSR/NFPA 418-202x, Standard for Heliports (revision of ANSI/NFPA 418-2021)

This standard specifies the minimum requirements for fire protection for heliports and rooftop hangars. This standard does not apply to ground-level helicopter hangars. All hangars not covered by this standard are required to comply with NFPA 409, Standard on Aircraft Hangars. Temporary landing sites and emergency evacuation facilities are outside the scope of this standard.

Obtain an electronic copy from: www.nfpa.org/418Next

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

Comment Deadline: November 21, 2022

NSF (NSF International)

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

Revision

BSR/NSF 416-202x (i5r1.1), Sustainability Assessment for Water Treatment Chemical Products (revision of ANSI/NSF 416-2017)

This standard establishes a consistent approach to the evaluation and determination of environmentally preferable and sustainable chemical product manufacturing processes, water-treatment chemical products, distributors, repackagers, and relabelers of chemical products.

Single copy price: Free

Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/66342/416i5r1.1%20-%20Language%20Cleanup%20-%20JC%20Memo%20&%20Ballot.pdf

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

ULSE (UL Standards & Engagement)

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

New Standard

BSR/UL 51-202x, Standard for Safety for Power-Operated Pumps and Bypass Valves for Anhydrous Ammonia, LP-Gas, and Propylene (new standard)

The following is being proposed: (1) New edition of the Standard for Safety for Power-Operated Pumps and Bypass Valves for Anhydrous Ammonia, LP-Gas, and Propylene.

Single copy price: Free

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

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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 60079-29-4-2018 (R202x), Standard for Safety for Explosive Atmospheres - Part 29-4: Gas Detectors - Performance Requirements of Open Path Detectors for Flammable Gases (reaffirmation of ANSI/UL 60079-29-4-2018)

(1) Reaffirmation and continuance of the first edition of the Standard for Safety for Explosive Atmospheres - Part 29-4: Gas Detectors - Performance Requirements of Open Path Detectors for Flammable Gases, UL 60079-29-4, as an standard.

Single copy price: Free

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Comment Deadline: November 21, 2022

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

Reaffirmation

BSR/UL 62841-2-9-2017 (R202x), Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-9: Particular Requirements for Hand-Held Tappers and Threaders (reaffirmation and redesignation of ANSI/UL 62841-2-9-2017)

Reaffirmation and continuance of the 1st Edition of the Standard for Safety For Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-9: Particular Requirements for Hand-Held Tappers and Threaders, UL 62841-2-9, as an American National Standard.

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ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 514D-202x, Standard for Safety for Cover Plates for Flush-Mounted Wiring Devices (revision of ANSI/UL 514D-2016)

1.1 This standard applies to metallic and nonmetallic cover plates and associated gaskets for flush-mounted wiring devices intended for installation in accordance with the National Electrical Code, ANSI/NFPA 70, and the Canadian Electrical Code, Part I, CSA C22.1, General Requirements – Canadian Electrical Code, Part II, CSA C22.2 No. 0-10. 1.2 This standard also applies to outlet box hoods that are either integral or not integral with a cover plate for flush-mounted wiring devices. 1.3 This standard also applies to cover plates for flush-mounted wiring devices intended for use in marine applications in accordance with the applicable requirements of the United States Coast Guard and the Canadian Coast Guard; IEEE Recommended Practice for Electrical Installation on Shipboard, IEEE 45; the American Boat and Yacht Council; and the Standard for Pleasure and Commercial Motor Craft, NFPA 302. 1.4 This standard also applies to illuminating cover plates for flush-mounted wiring devices. 1.5 This standard does not apply to:(a) Telephone wall plates; or (b) cover plates and associated gaskets intended for use in hazardous (classified) locations as defined in the National Electrical Code, ANSI/NFPA 70, and the Canadian Electrical Code, Part I, CSA C22.1.

Single copy price: Free

Obtain an electronic copy from: celine.eid@ul.org

Send comments (copy psa@ansi.org) to: Celine Eid, celine.eid@ul.org

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 2039-202x, Standard for Safety for Flexible Connector Piping for Flammable and Combustible Liquids (revision of ANSI/UL 2039-2016)

The following is being recirculated: (1) Revisions to the new joint standard, UL/ULC 2039, Standard for Flexible Connector Piping for Flammable and Combustible Liquids.

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Comment Deadline: November 21, 2022

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333 Pfingsten Road, Northbrook, IL 60062-2096 | Megan.M.VanHeirseele@ul.org, <https://ul.org/>

Revision

BSR/UL 9540-202x, Standard for Safety for Energy Storage Systems and Equipment (revision of ANSI/UL 9540-2020) (1) Revisions to Marking Criteria and Inclusion of AC and DC ESS Concepts; (2) Residential-use ESS - Clarification and Code Alignment; (3) Explosion protection for electrochemical ESS; (4) Addressing noise levels of ESS; (5) Clarification of Impulse waveform in 29.2; (6) Updates to informative Appendix E; (7) Additional criteria for thermal ESS; (12) Clarification of material and Enclosure Tests for smaller ESS; (13) Use of Representative Subassemblies for Testing; (14) Addition of references to component standards; (15) Revisions for flywheel ESS throughout the Standard; (16) External Warning Communication System Criteria; (17) Revisions to address hazardous fluids and liquid coolant system hazards; (19) New Appendix G for Direct Injection Clean Agent Cooling Systems; (20) Revisions for remote software updates.

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Comment Deadline: December 6, 2022

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 | standards@aami.org, www.aami.org

Revision

BSR/AAMI HE75-202x, Human factors engineering - Design of medical devices (revision of ANSI/AAMI HE75-2009 (R2018))

This standard addresses a broad range of human factors engineering topics as they relate to the design and evaluation of medical devices. This document is expected to be useful to human factors and usability engineering specialists, software developers, industrial, biomedical, mechanical, and electrical engineers and other development personnel.

Single copy price: Free

Obtain an electronic copy from: hchoe@aami.org

Order from: Hae Choe; hchoe@aami.org

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

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME PTC 47.1-2017 (R202x), Performance Test Code for the Cryogenic Air Separation Unit of an IGCC Power Plant (reaffirmation of ANSI/ASME PTC 47.1-2017)

The object of this code is to provide uniform test methods and procedures for conducting performance tests of air separation units (ASUs) supplying products to a gasification block and/or power block within an integrated gasification combined cycle (IGCC) facility. This Code applies to ASUs of any size, in either a single-train or multitrain configuration. It can be used to measure the performance of an ASU in its normal operating condition, with all equipment in a new, clean, and fully functional condition.

Single copy price: \$135.00

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

Send comments (copy psa@ansi.org) to: Donnie Alonzo; dalonzo@asme.org

Comment Deadline: December 6, 2022

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

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

National Adoption

INCITS/ISO 19115-2:2019/AM1:2022 [202x], Geographic information - Metadata - Part 2: Extensions for acquisition and processing - Amendment 1 (identical national adoption of ISO 19115-2:2019/AM1:2022)

Amendment 1 to ISO 19115-2:2019.

Single copy price: \$20.00

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

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National Adoption

INCITS/ISO 19135-1:2015/AM1:2021 [202x], Geographic information - Procedures for item registration - Part 1: Fundamentals - Amendment 1 (identical national adoption of ISO 19135-1:2015/AM1:2021)

Amendment 1 to ISO 19135-1:2015.

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National Adoption

INCITS/ISO 19105:2022 [202x], Geographic information - Conformance and testing (identical national adoption of ISO 19105:2022 and revision of INCITS/ISO 19105:2000 [R2021])

Specifies the framework, concepts, and methodology for conformance testing and criteria to be achieved to claim conformance to the family of applicable standardization documents regarding geographic information and relevant application domains. This document provides a framework for specifying abstract test suites composed of abstract test cases grouped in conformance classes and for defining the procedures to be followed during conformance testing. Conformance can be claimed for data or software products or services or by specifications including any profile or functional standard.

Single copy price: \$175.00

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National Adoption

INCITS/ISO 19111:2019/AM1:2021 [202x], Geographic information - Referencing by coordinates - Amendment 1 (identical national adoption of ISO 19111:2019/AM1:2021)

Amendment 1 to ISO 19111:2019.

Single copy price: \$20.00

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National Adoption

INCITS/ISO 19116:2019/AM1:2021 [202x], Geographic information - Positioning services - Amendment 1 (identical national adoption of ISO 19116:2019/AM1:2021)

Amendment 1 to ISO 19116:2019.

Single copy price: \$20.00

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National Adoption

INCITS/ISO/IEC 2382-37:2022 [202x], Information technology - Vocabulary - Part 37: Biometrics (identical national adoption of ISO/IEC 2382-37:2022 and revision of INCITS/ISO/IEC 2382-37:2017 [2021])

Establishes a systematic description of the concepts in the field of biometrics pertaining to recognition of human beings. This document also reconciles variant terms in use in pre-existing International Standards on biometrics against the preferred terms, thereby clarifying the use of terms in this field.

Single copy price: \$48.00

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National Adoption

INCITS/ISO/IEC 18033-7:2022 [202x], Information security - Encryption algorithms - Part 7: Tweakable block ciphers (identical national adoption of ISO/IEC 18033-7:2022)

Specifies tweakable block ciphers. A tweakable block cipher is a family of n-bit permutations parametrized by a secret key value and a public tweak value. Such primitives are generic tools that can be used as building blocks to construct cryptographic schemes such as encryption, Message Authentication Codes, authenticated encryption, etc. A total of five different tweakable block ciphers are defined. They are categorized in Table 1.

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National Adoption

INCITS/ISO/IEC 18033-4:2011/AM1:2020 [202x], Information technology - Security techniques - Encryption algorithms - Part 4: Stream ciphers - Amendment 1: ZUC (identical national adoption of ISO/IEC 18033-4:2011/AM1:2020)

Amendment 1 to ISO/IEC 18033-4:2011.

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National Adoption

INCITS/ISO/IEC 19785-2:2021 [202x], Information technology - Common Biometric Exchange Formats Framework - Part 2: Biometric registration authority (identical national adoption of ISO/IEC 19785-2:2021 and revision of INCITS/ISO/IEC 19785-2:2006 [R2018])

Describes the identification scheme used by the Biometric Registration Authority (BRA) in preparing, maintaining, and publishing registers of identifiers for biometric organizations and biometric objects, and provides a description of BRA responsibilities and services. Procedural requirements and recommendations are not within the scope of this document and are maintained separately on the ISO/IEC JTC 1/SC 37 website.

Single copy price: \$48.00

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National Adoption

INCITS/ISO/IEC 20897-2:2022 [202x], Information security, cybersecurity and privacy protection - Physically unclonable functions - Part 2: Test and evaluation methods (identical national adoption of ISO/IEC 20897-2:2022)
Specifies the test and evaluation methods for physically unclonable functions (PUFs). The test and evaluation methods consist of inspection of the design rationale of the PUF and comparison between statistical analyses of the responses from a batch of PUFs or a unique PUF versus specified thresholds.

Single copy price: \$175.00

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National Adoption

INCITS/ISO/IEC 30137-4:2021 [202x], Information technology - Use of biometrics in video surveillance systems - Part 4: Ground truth and video annotation procedure (identical national adoption of ISO/IEC 30137-4:2021)
Establishes requirements for the annotation of humans, human faces and other body parts, and arbitrary objects appearing in imagery. It specifies the following: metadata to be inserted in a video stream; encoding of full and partial spatial and temporal ground truth information for: objects present in a video, and objects absent in a video; procedures for different annotation of known and unknown subjects.

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National Adoption

INCITS/ISO/IEC 39794-9:2021 [202x], Information technology - Extensible biometric data interchange formats - Part 9: Vascular image data (identical national adoption of ISO/IEC 39794-9:2021)
Specifies generic extensible data interchange formats for the representation of vascular image data: a tagged binary data format based on an extensible specification in ASN.1 and a textual data format based on an XML schema definition that are both capable of holding the same information, examples of data record contents, application-specific requirements, recommendations, and best practices in data acquisition, and conformance test assertions and conformance test procedures applicable to this document.

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National Adoption

INCITS/ISO/IEC 39794-16:2021 [202x], Information technology - Extensible biometric data interchange formats - Part 16: Full body image data (identical national adoption of ISO/IEC 39794-16:2021)

To provide a generic extensible full body image data format for biometric recognition applications requiring exchange of human full body image data. Typical applications are: (a) automated body biometric verification and identification of an unknown individual or cadaver (one-to-one as well as one-to-many comparison); (b) support for human verification of identity by comparison of individuals against full body images; and (c) support for human examination of full body images with sufficient resolution to allow a human examiner to verify identity or identify a living individual or a cadaver.

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National Adoption

INCITS/ISO/IEC 39794-17:2021 [202x], Information technology - Extensible biometric data interchange formats - Part 17: Gait image sequence data (identical national adoption of ISO/IEC 39794-17:2021)

Specifies examples of application-specific requirements, recommendations and best practices in data acquisition applicable to gait image sequence data. Its typical applications include: (a) support for human examination of high-resolution video and still images; (b) support for human biometric verification and identification based on video and still images; (c) automated gait image sequence verification and identification. This document ensures that image sequences are suitable for human identification and human verification generated by video surveillance and other similar systems.

Single copy price: \$225.00

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National Adoption

INCITS/ISO/IEC 21472:2021 [202x], Information technology - Scenario evaluation methodology for user interaction influence in biometric system performance (identical national adoption of ISO/IEC 21472:2021)

Addresses requirements for planning, executing and reporting the influence of user interaction on biometric system performance based on scenario test methodologies, considering three kinds of factors: (a) factors related to the design, position or condition of the capture device, (b) factors depending on users and user attributes, and (c) factors depending on the interaction of users with the biometric system.

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National Adoption

INCITS/ISO/IEC 27002:2022 [202x], Information security, cybersecurity and privacy protection - Information security controls (identical national adoption of ISO/IEC 27002:2022 and revision of INCITS/ISO/IEC 27002:2013 [R2019])

INCITS/ISO/IEC 27002:2013/COR 1:2014 [2018]

INCITS/ISO/IEC 27002:2013/COR 2:2015 [2018])

Provides a reference set of generic information security controls including implementation guidance. This document is designed to be used by organizations: (a) within the context of an information security management system (ISMS) based on ISO/IEC 27001; (b) for implementing information security controls based on internationally recognized best practices; (c) for developing organization-specific information security management guidelines.

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National Adoption

INCITS/ISO/IEC 27013:2021 [202x], Information security, cybersecurity and privacy protection - Guidance on the integrated implementation of ISO/IEC 27001 and ISO/IEC 20000-1 (identical national adoption of ISO/IEC 27013:2021 and revision of INCITS/ISO/IEC 27013:2015 [2018])

Gives guidance on the integrated implementation of ISO/IEC 27001 and ISO/IEC 20000-1 for organizations intending to: (a) implement ISO/IEC 27001 when ISO/IEC 20000-1 is already implemented, or vice-versa; (b) implement both ISO/IEC 27001 and ISO/IEC 20000-1 together; or (c) integrate existing management systems based on ISO/IEC 27001 and ISO/IEC 20000-1.

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National Adoption

INCITS/ISO/IEC 27070:2021 [202x], Information technology - Security techniques - Requirements for establishing virtualized roots of trust (identical national adoption of ISO/IEC 27070:2021)

Specifies requirements for establishing virtualized roots of trust.

Single copy price: \$111.00

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National Adoption

INCITS/ISO/IEC 27400:2022 [202x], Cybersecurity - IoT security and privacy - Guidelines (identical national adoption of ISO/IEC 27400:2022)

Provides guidelines on risks, principles and controls for security and privacy of Internet of Things (IoT) solutions.

Single copy price: \$200.00

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National Adoption

INCITS/ISO/IEC 27021:2017/AM1:2021 [202x], Information technology - Security techniques - Competence requirements for information security management systems professionals - Amendment 1: Addition of ISO/IEC 27001:2013 clauses or subclauses to competence requirements (identical national adoption of ISO/IEC 27021:2017/AM1:2021)

Amendment 1 to ISO/IEC 27021:2017.

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ULSE (UL Standards & Engagement)

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

New Standard

BSR/UL 3600-202x, Standard for Measuring and Reporting Circular Economy Aspects of Products, Sites and Organizations (new standard)

This standard covers the methods and metrics for measuring aspects of the Circular Economy. Aspects include, but are not limited to, materials flows and the impacts of those flows. The standard is split into two major parts: measuring the material flows (measurement methods) and measuring the impacts of those flows (analytics). The metrics and measures are focused on materials and the flow of those materials as a result of the activities of organizations and from any products manufactured by those organizations. In addition to the materials and flows, activities and impacts from those materials and flows in other parts of the supply chain should be included where they represent significant impact and will be used as a modifier on the material flows. By addressing both flows and impacts, this standard seeks to address the progress toward sustainability in a more holistic way.

Single copy price: Free

Order from: Caroline Treuthardt; caroline.treuthardt@ul.org

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

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:

ASTM (ASTM International)

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

BSR/ASTM WK69286-202x, New Specification for Standard Specification for Steel Skeleton Reinforced Polyethylene (PE) Composite Pipe and Fittings (new standard)

Inquiries may be directed to Corice Leonard; accreditation@astm.org

HL7 (Health Level Seven)

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

BSR/HL7 V26IG VRDR, R1-US Realm-202x, HL7 Version 2.6 Implementation Guide: Vital Records Death Reporting, Release 1 - US Realm (new standard)

Inquiries may be directed to Karen Van Hentenryck; Karenvan@HL7.org

HL7 (Health Level Seven)

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

BSR/HL7 V3 PASS AUDIT, R1-202x, HL7 Version 3 Standard: Privacy, Access and Security Services (PASS); Audit Services, Release 1 (new standard)

Inquiries may be directed to Karen Van Hentenryck; Karenvan@HL7.org

HL7 (Health Level Seven)

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

BSR/HL7 V3 SPDIR, R2-202x, HL7 Version 3 Standard: Healthcare, Community Services and Provider Directory, Release 2 (new standard)

Inquiries may be directed to Karen Van Hentenryck; Karenvan@HL7.org

HL7 (Health Level Seven)

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

BSR/HL7 V3 XMLITSSTR1.1, R1-202x, HL7 Version 3 Standard: XML Implementation Technology Specification - V3 Structures 1.1, Release 1 (new standard)

Inquiries may be directed to Karen Van Hentenryck; Karenvan@HL7.org

SCTE (Society of Cable Telecommunications Engineers)

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

BSR/SCTE 227-202x, Cable Operator Location Risk Assessment Operational Practice (new standard)

Inquiries may be directed to Kim Cooney; kcooney@scte.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.

AISC (American Institute of Steel Construction)

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

Revision

ANSI/AISC 341-2022, Seismic Provisions for Structural Steel Buildings (revision of ANSI/AISC 341-2016) Final Action Date: 9/26/2022

APTech (ASC CGATS) (Association for Print Technologies)

113 Seaboard Lane, Suite C250, Franklin, TN 37067 | dorf@aptech.org, www.printtechnologies.org

National Adoption

ANSI CGATS/ISO 12640-2-2022, Graphic Technology - Prepress Digital Data Exchange - Part 2: XYZ/SRGB Encoded Standard Colour Image Data (XYZ/SCID)) (national adoption of ISO 12640-2 with modifications and revision of ANSI CGATS/ISO 12640-2-2007 (R2013)) Final Action Date: 9/26/2022

ARESCA (American Renewable Energy Standards and Certification Association)

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

National Adoption

ANSI/ARESCA 61400-3-1-2022, Wind energy generation systems - Part 3-1: Design requirements for fixed offshore wind turbines (identical national adoption of IEC 61400-3-1:2019) Final Action Date: 9/26/2022

National Adoption

ANSI/ARESCA 61400-3-2-2022, Wind energy generation systems - Part 3-2: Design requirements for floating offshore wind turbines (identical national adoption of IEC TS 61400-3-2:2019) Final Action Date: 9/26/2022

ASABE (American Society of Agricultural and Biological Engineers)

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

National Adoption

ANSI/ASABE/ISO 6689-2022, Equipment for harvesting - Combine harvesters and functional components - Vocabulary (identical national adoption of ISO 6689:2021) Final Action Date: 9/26/2022

National Adoption

ANSI/ASABE/ISO 8210-2022, Equipment for harvesting - Combine harvesters - Test procedure and performance assessment (identical national adoption of ISO 8210:2021) Final Action Date: 9/26/2022

Withdrawal

ANSI/ASAE S343.4-2015 (R2019), Terminology for Combines and Grain Harvesting (withdrawal of ANSI/ASAE S343.4-2015 (R2019)) Final Action Date: 9/26/2022

Withdrawal

ANSI/ASAE S396.3 JUN2016 (R2020), Combine Capacity and Performance Test Procedure (withdrawal of ANSI/ASAE S396.3 JUN2016 (R2020)) Final Action Date: 9/26/2022

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

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

Addenda

ANSI/ASHRAE Addendum 62.1e-2022, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2019) Final Action Date: 9/30/2022

Addenda

ANSI/ASHRAE Addendum 62.1m-2022, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2019) Final Action Date: 9/30/2022

Addenda

ANSI/ASHRAE Addendum 62.1n-2022, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2019) Final Action Date: 9/30/2022

Addenda

ANSI/ASHRAE Addendum c to ANSI/ASHRAE Standard 147-2019, Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems (addenda to ANSI/ASHRAE Standard 147-2013) Final Action Date: 9/30/2022

Addenda

ANSI/ASHRAE Addendum d to ANSI/ASHRAE Standard 147-2019, Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems (addenda to ANSI/ASHRAE Standard 147-2013) Final Action Date: 9/30/2022

Addenda

ANSI/ASHRAE/ASHE Addendum 170e-2021, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 170-2021) Final Action Date: 9/30/2022

Addenda

ANSI/ASHRAE/ASHE Addendum 170g-2021, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 170-2021) Final Action Date: 9/30/2022

Addenda

ANSI/ASHRAE/ASHE Addendum 170h-2021, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 170-2021) Final Action Date: 9/30/2022

Addenda

ANSI/ASHRAE/ASHE Addendum d to ANSI/ASHRAE/ASHE Standard 189.3-2021, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3-2021) Final Action Date: 9/30/2022

AWS (American Welding Society)

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

Revision

ANSI/AWS D15.2/D15.2M-2022, Specification for Joining Railroad Rail and Related Rail Components (revision of ANSI/AWS D15.2/D15.2M-2012) Final Action Date: 9/29/2022

AWWA (American Water Works Association)

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

Revision

ANSI/AWWA B101-2022, Precoat Filter Media (revision of ANSI/AWWA B101-2016) Final Action Date: 9/29/2022

Revision

ANSI/AWWA C227-2022, Bolted, Split-Sleeve Couplings (revision of ANSI/AWWA C227-2017) Final Action Date: 9/29/2022

HL7 (Health Level Seven)

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

Reaffirmation

ANSI/HL7 V3 HQMF, R1-2017 (R2022), HL7 Version 3 Standard: Representation of the Health Quality Measures Format (eMeasure), Release 1 (reaffirmation of ANSI/HL7 V3 HQMF, R1-2017) Final Action Date: 9/29/2022

IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

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

Revision

ANSI/CSA B45.5/IAPMO Z124-2022, Plastic Plumbing Fixtures (revision of ANSI/CSA B45.5/IAPMO Z124-2016) Final Action Date: 9/29/2022

NSF (NSF International)

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

Revision

ANSI/NSF 49-2022 (i168r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2020) Final Action Date: 9/28/2022

Revision

ANSI/NSF 55-2022 (i61r1), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2021) Final Action Date: 9/25/2022

Revision

ANSI/NSF 358-1-2022 (i8r1), Polyethylene Pipe and Fittings for Water-Based Ground-Source Geothermal Heat Pump Systems (revision of ANSI/NSF 358-1-2021) Final Action Date: 9/27/2022

Revision

ANSI/NSF 455-2-2022 (i33r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2022) Final Action Date: 9/27/2022

SCTE (Society of Cable Telecommunications Engineers)

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

Reaffirmation

ANSI/SCTE 23-1-2017 (R2022), DOCSIS 1.1 Part 1: Radio Frequency Interface (reaffirmation of ANSI/SCTE 23-1-2017) Final Action Date: 9/29/2022

SCTE (Society of Cable Telecommunications Engineers)

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

Reaffirmation

ANSI/SCTE 23-2-2017 (R2022), DOCSIS 1.1 Part 2: Baseline Privacy Plus Interface (reaffirmation of ANSI/SCTE 23-2-2017) Final Action Date: 9/29/2022

Reaffirmation

ANSI/SCTE 23-3-2017 (R2022), DOCSIS 1.1 Part 3: Operations Support System Interface (reaffirmation of ANSI/SCTE 23-3-2017) Final Action Date: 9/29/2022

Reaffirmation

ANSI/SCTE 28-2017 (R2022), HOST-POD Interface Standard (reaffirmation of ANSI/SCTE 28-2017) Final Action Date: 9/29/2022

Reaffirmation

ANSI/SCTE 58-2017 (R2022), AM Cross Modulation Measurements (reaffirmation of ANSI/SCTE 58-2017) Final Action Date: 9/29/2022

Revision

ANSI/SCTE 45-2022, Test Method for Group Delay (revision of ANSI/SCTE 45-2017) Final Action Date: 9/29/2022

Revision

ANSI/SCTE 66-2022, Test Method for Coaxial Cable Impedance (revision of ANSI/SCTE 66-2016) Final Action Date: 9/29/2022

TIA (Telecommunications Industry Association)

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

Revision

ANSI/TIA 568.3-E-2022, Optical Fiber Cabling Component Standard (revision and redesignation of ANSI/TIA 568.3-D-2016) Final Action Date: 9/29/2022

ULSE (UL Standards & Engagement)

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

Revision

ANSI/UL 153-2022, Standard for Safety for Portable Electric Luminaires (revision of ANSI/UL 153-2021) Final Action Date: 9/26/2022

Revision

ANSI/UL 347-2022, Standard for Safety for Medium-Voltage AC Contactors, Controllers, and Control Centers (revision of ANSI/UL 347-2020) Final Action Date: 9/30/2022

Revision

ANSI/UL 498-2022a, Standard for Safety for Attachment Plugs and Receptacles (revision of ANSI/UL 498-2022) Final Action Date: 9/26/2022

Revision

ANSI/UL 2442-2022a, Standard for Wall- and Ceiling-Mounts and Accessories (August 26, 2022) (revision of ANSI/UL 2442-2022) Final Action Date: 10/3/2022

ULSE (UL Standards & Engagement)

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

Revision

ANSI/UL 122701-2022, Standard for Safety for Requirements for Process Sealing between Electrical Systems and Flammable or Combustible Process Fluids (revision of ANSI/UL 122701-2017 (R2021)) Final Action Date: 9/29/2022

VITA (VMEbus International Trade Association (VITA))

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

Revision

ANSI/VITA 48.4-2022x, Liquid Flow Thru VPX Plug In Module Standard (revision of ANSI/VITA 48.4-2018) Final Action Date: 9/29/2022

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.

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- Distributor
- Service Provider
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- 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. Please 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 \(NEC-P06\)](#).

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 | standards@aami.org, www.aami.org

BSR/AAMI HE75-202x, Human factors engineering - Design of medical devices (revision of ANSI/AAMI HE75-2009 (R2018))

ABYC (American Boat and Yacht Council)

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

BSR/ABYC A-1-202x, Marine Liquefied Petroleum Gas (LPG) Systems (revision of ANSI/ABYC A-1-2018)

ABYC (American Boat and Yacht Council)

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

BSR/ABYC A-4-202x, Fire Fighting Equipment (revision of ANSI/ABYC A-4-2018)

ABYC (American Boat and Yacht Council)

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

BSR/ABYC A-6-202x, Refrigeration and Air Conditioning Equipment (revision of ANSI/ABYC A-6-2018)

ABYC (American Boat and Yacht Council)

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

BSR/ABYC A-33-202x, Emergency Engine/Propulsion Cut-Off Devices (revision of ANSI/ABYC A-33-2020)

Call for Members (ANS Consensus Bodies)

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASAE S422.2 MONYEAR-202x, Mapping Symbols and Nomenclature for Erosion and Sediment Control Plans for Land Disturbing Activities (revision of ANSI/ASAE S422.1-2015 (R2019))

ASCE (American Society of Civil Engineers)

1801 Alexander Bell Drive, Reston, VA 20191 | jneckel@asce.org, www.asce.org

BSR/ASCE/CI 67-202x, Schedule Delay Analysis (revision of ANSI/ASCE/CI 67-2017)

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

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

BSR/ASHRAE Standard 182-202X, Method of Testing Absorption Water-Chilling and Water-Heating Packages (revision of ANSI/ASHRAE Standard 182-2020)

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

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

BSR/ASHRAE Standard 214-2017 (R202x), Standard for Determining and Expressing Building Energy Performance in a Rating Program (reaffirmation of ANSI/ASHRAE Standard 214-2017)

ASME (American Society of Mechanical Engineers)

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

BSR/ASME PTC 47.1-2017 (R202x), Performance Test Code for the Cryogenic Air Separation Unit of an IGCC Power Plant (reaffirmation of ANSI/ASME PTC 47.1-2017)

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

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

INCITS/ISO 19115-2:2019/AM1:2022 [202x], Geographic information - Metadata - Part 2: Extensions for acquisition and processing - Amendment 1 (identical national adoption of ISO 19115-2:2019/AM1:2022)

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

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

INCITS/ISO 19135-1:2015/AM1:2021 [202x], Geographic information - Procedures for item registration - Part 1: Fundamentals - Amendment 1 (identical national adoption of ISO 19135-1:2015/AM1:2021)

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

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

INCITS/ISO 19105:2022 [202x], Geographic information - Conformance and testing (identical national adoption of ISO 19105:2022 and revision of INCITS/ISO 19105:2000 [R2021])

Call for Members (ANS Consensus Bodies)

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

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

INCITS/ISO 19111:2019/AM1:2021 [202x], Geographic information - Referencing by coordinates - Amendment 1 (identical national adoption of ISO 19111:2019/AM1:2021)

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

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

INCITS/ISO 19116:2019/AM1:2021 [202x], Geographic information - Positioning services - Amendment 1 (identical national adoption of ISO 19116:2019/AM1:2021)

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

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

INCITS/ISO/IEC 2382-37:2022 [202x], Information technology - Vocabulary - Part 37: Biometrics (identical national adoption of ISO/IEC 2382-37:2022 and revision of INCITS/ISO/IEC 2382-37:2017 [2021])

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

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

INCITS/ISO/IEC 18033-7:2022 [202x], Information security - Encryption algorithms - Part 7: Tweakable block ciphers (identical national adoption of ISO/IEC 18033-7:2022)

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

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

INCITS/ISO/IEC 18033-4:2011/AM1:2020 [202x], Information technology - Security techniques - Encryption algorithms - Part 4: Stream ciphers - Amendment 1: ZUC (identical national adoption of ISO/IEC 18033-4:2011/AM1:2020)

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

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

INCITS/ISO/IEC 19785-2:2021 [202x], Information technology - Common Biometric Exchange Formats Framework - Part 2: Biometric registration authority (identical national adoption of ISO/IEC 19785-2:2021 and revision of INCITS/ISO/IEC 19785-2:2006 [R2018])

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

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

INCITS/ISO/IEC 20897-2:2022 [202x], Information security, cybersecurity and privacy protection - Physically unclonable functions - Part 2: Test and evaluation methods (identical national adoption of ISO/IEC 20897-2:2022)

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

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

INCITS/ISO/IEC 30137-4:2021 [202x], Information technology - Use of biometrics in video surveillance systems - Part 4: Ground truth and video annotation procedure (identical national adoption of ISO/IEC 30137-4:2021)

Call for Members (ANS Consensus Bodies)

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

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

INCITS/ISO/IEC 39794-9:2021 [202x], Information technology - Extensible biometric data interchange formats - Part 9: Vascular image data (identical national adoption of ISO/IEC 39794-9:2021)

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

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

INCITS/ISO/IEC 39794-16:2021 [202x], Information technology - Extensible biometric data interchange formats - Part 16: Full body image data (identical national adoption of ISO/IEC 39794-16:2021)

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

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

INCITS/ISO/IEC 39794-17:2021 [202x], Information technology - Extensible biometric data interchange formats - Part 17: Gait image sequence data (identical national adoption of ISO/IEC 39794-17:2021)

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

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

INCITS/ISO/IEC 21472:2021 [202x], Information technology - Scenario evaluation methodology for user interaction influence in biometric system performance (identical national adoption of ISO/IEC 21472:2021)

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

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

INCITS/ISO/IEC 27002:2022 [202x], Information security, cybersecurity and privacy protection - Information security controls (identical national adoption of ISO/IEC 27002:2022 and revision of INCITS/ISO/IEC 27002:2013 [R2019])

INCITS/ISO/IEC 27002:2013/COR 1:2014 [2018]

INCITS/ISO/IEC 27002:2013/COR 2:2015 [2018])

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

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

INCITS/ISO/IEC 27013:2021 [202x], Information security, cybersecurity and privacy protection - Guidance on the integrated implementation of ISO/IEC 27001 and ISO/IEC 20000-1 (identical national adoption of ISO/IEC 27013:2021 and revision of INCITS/ISO/IEC 27013:2015 [2018])

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

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

INCITS/ISO/IEC 27070:2021 [202x], Information technology - Security techniques - Requirements for establishing virtualized roots of trust (identical national adoption of ISO/IEC 27070:2021)

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

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

INCITS/ISO/IEC 27400:2022 [202x], Cybersecurity - IoT security and privacy - Guidelines (identical national adoption of ISO/IEC 27400:2022)

Call for Members (ANS Consensus Bodies)

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

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

INCITS/ISO/IEC 27021:2017/AM1:2021 [202x], Information technology - Security techniques - Competence requirements for information security management systems professionals - Amendment 1: Addition of ISO/IEC 27001:2013 clauses or subclauses to competence requirements (identical national adoption of ISO/IEC 27021:2017/AM1:2021)

NSF (NSF International)

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

BSR/NSF 42-202x (i123r1), 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 (i50r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2021)

NSF (NSF International)

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

BSR/NSF 53-202x (i147r1), 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 53-202x (i148r1), 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 (i64r1), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2021)

NSF (NSF International)

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

BSR/NSF 58-202x (i102r1), 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 (i45r1), 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 (i21r1), Supplemental Microbiological Water Treatment Systems -Filtration (revision of ANSI/NSF 244-2021)

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 401-202x (i29r1), 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 | jsnider@nsf.org, www.nsf.org

BSR/NSF 416-202x (i5r1.1), Sustainability Assessment for Water Treatment Chemical Products (revision of ANSI/NSF 416-2017)

NSF (NSF International)

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

BSR/NSF 455-2-202x (i34r1), 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 (i47r1), 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 (i48r1), 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 455-3-202x (i31r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2021)

NSF (NSF International)

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

BSR/NSF 455-3-202x (i36r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2021)

PEARL (Professional Electrical Apparatus Recyclers League)

17 Faulkner Drive, Niantic, CT 06357 | mtierny@kellencompany.com, www.pearl1.org

BSR/PEARL EERS-202x, Electrical Equipment Reconditioning Standard (EERS) (revision of ANSI/PEARL EERS-2018)

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.

Accreditation Announcements (Standards Developers)

Approval of Accreditation – ASD

NRMCA - National Ready Mixed Concrete Association

Effective September 30, 2022

ANSI's Executive Standards Council has approved **NRMCA - National Ready Mixed Concrete Association**, a new ANSI member in Year Member, as an ANSI Accredited Standards Developer (ASD) under Standards Developer's Own Procedures operating procedures for documenting consensus on NRMCA -sponsored American National Standards, effective **September 30, 2022**. For additional information, please contact: Scott Campbell, National Ready Mixed Concrete Association (NRMCA) | 66 Canal Center Plaza, Suite 250, Alexandria, VA 22314 | (703) 706-4800, scampbell@nrmca.org

Approval of Reccreditation – ASD

ISDI (ASC MH2) - Industrial Steel Drum Institute Metal Drums and Pails

Effective September 21, 2022

The reccreditation of the **Industrial Steel Drum Institute (ASC MH2), Metal Drums and Pails** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ISDI/ASC MH2-sponsored American National Standards, effective **September 21, 2022**. For additional information, please contact: Matt Mlynarczyk, Industrial Steel Drum Institute (ISDI/ASC MH2) | P.O. Box 8570, Alexandria, VA 22306-8570 | (703) 623-2929, mattm@industrialpackaging.org

Approval of Reccreditation – ASD

PMMI (Organization) - PMMI - The Association for Packaging and Processing Technologies

Effective September 13, 2022

The reccreditation of **PMMI - The Association for Packaging and Processing Technologies** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on PMMI-sponsored American National Standards, effective **September 13, 2022**. For additional information, please contact: Jean Walsh, PMMI - The Association for Packaging and Processing Technologies | 12930 Worldgate Dr, Suite 200, Herndon, VA 20170-6037 | (269) 932-7027, walsh@asabe.org

Accreditation Announcements (Standards Developers)

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 (jthomps@ANSI.org).

Public Review of Revised ASD Operating Procedures

ITI (INCITS) - InterNational 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 (jthomps@ANSI.org).

Accreditation Announcements (Standards Developers)

Withdrawal of Accreditation – ASD

ABMSP - American Board of Multiple Specialties in Podiatry

Effective September 27, 2022

The accreditation of **ABMSP - American Board of Multiple Specialties in Podiatry** as a developer of American National Standards (ANS), and of the following sponsored American National Standards and/or registered projects has been formally withdrawn.

Notice of Withdrawn ANS

ANSI/ABMSP SDO 001-2018, Inserts for Diabetic Footwear (new standard)

ANS WD Date: 9/27/2022

These actions were taken effect on **September 27, 2022**. For additional information, please contact: Stephen Permison, 555 Eighth Avenue, Suite 1902 | New York, NY 10018 p: (301) 537-7019 e: sbpermison@yahoo.com

Withdrawal of Accreditation – ASD

PCA - Portland Cement Association

Effective September 27, 2022

The accreditation of **PCA - Portland Cement Association** as a developer of American National Standards (ANS) has been formally withdrawn. PCA maintained no current American National Standards or registered projects.

This action was taken effect on **September 27, 2022**. For additional information, please contact: Jamie Farny, 5420 Old Orchard Road | Skokie, IL 60077-1083 p: (847) 972-9172 e: jfarny@cement.org

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

A3 (ASC T15) - Association for Advancing Automation Intelligent Assist Devices

Hybrid Meeting Dates: November 14, 2022 - November 17, 2022

ANSI-Accredited Standards Committee: R15.08, Industrial Mobile Robot Safety

Meeting Format & Location: Hybrid; In-person in greater Cincinnati, OH; Remote via Teams

Meeting Sponsor/Host: Procter & Gamble

Purpose: Complete Committee Internal Comment resolution for R15.08 Part 2 draft; arrive at consensus that the R15.08 Part 2 draft, as edited through comment resolution, is ready for balloting to the R15 SAC

Day/Date/Time: Monday, November 14, 2022 12:00 Noon (Eastern Time) – Thursday, November 17, 2022, 4:00 PM (ET)

For More Information: Contact Carole Franklin, cfranklin@automate.org.

ANSI Accredited Standards Developer

ASA - Acoustical Society of America Acoustics

Virtual Meetings: November 21 & 22

Acoustical Society of America (ASA Standards) will be holding the following virtual meetings:

Monday, November 21, 2022

ASA ASACOS Steering Meeting (11:00am CT – 12:30pm CT) (virtual)

Tuesday, November 22, 2022

ASA Meeting of ASACOS (11:00am CT – 12:30pm CT) (virtual)

For more information or to participate, please email us at: standards@acousticalsociety.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 link is www.ansi.org/asd and here are some direct links as well as highlights of information that is available:

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

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

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

Proposed Revisions to ANSI Essential Requirements: Due process requirements for American National Standards

(www.ansi.org/essentialrequirements)

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

AAMI

Association for the Advancement of
Medical Instrumentation
901 N. Glebe Road, Suite 300
Arlington, VA 22203
www.aami.org
Hae Choe
standards@aami.org

ABYC

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

AGA (ASC Z380)

American Gas Association
400 North Capitol Street, NW, Suite 450
Washington, DC 20001
www.aga.org
Luis Escobar
lescobar@aga.org

AISC

American Institute of Steel Construction
130 E Randolph Street, Suite 2000
Chicago, IL 60601
www.aisc.org
Cynthia Duncan
duncan@aisc.org

APTech (ASC CGATS)

Association for Print Technologies
113 Seaboard Lane, Suite C250
Franklin, TN 37067
www.printtechnologies.org
Debra Orf
dorf@apttech.org

ARESCA

American Renewable Energy Standards
and Certification Association
256 Farrell Farm Road
Norwich, VT 05055
www.aresca.us
George Kelly
secretary@aresca.us

ASABE

American Society of Agricultural and
Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
<https://www.asabe.org/>
Carla VanGilder
vangilder@asabe.org

Jean Walsh
walsh@asabe.org

ASCE

American Society of Civil Engineers
1801 Alexander Bell Drive
Reston, VA 20191
www.asce.org
James Neckel
jneckel@asce.org

ASHRAE

American Society of Heating, Refrigerating
and Air-Conditioning Engineers, Inc.
180 Technology Parkway
Peachtree Corners, GA 30092
www.ashrae.org
Carmen King
cking@ashrae.org
Mark Weber
mweber@ashrae.org
Ryan Shanley
rshanley@ashrae.org
Tanisha Meyers-Lisle
tmlisle@ashrae.org

ASIS

ASIS International
1625 Prince Street
Alexandria, VA 22314
www.asisonline.org
Aivelis Opicka
standards@asisonline.org

ASME

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

ASTM

ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428
www.astm.org
Laura Klineburger
accreditation@astm.org

AWS

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

AWWA

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

CSA

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

HL7

Health Level Seven
3300 Washtenaw Avenue, Suite 227
Ann Arbor, MI 48104
www.hl7.org
Karen Van Hentenryck
Karenvan@HL7.org

ANSI-Accredited Standards Developers Contact Information

IAPMO (WES)

International Association of Plumbing & Mechanical Officials
4755 East Philadelphia Street
Ontario, CA 91761
<http://www.iapmo.org>
Hugo Aguilar
hugo.aguilar@iapmo.org

IAPMO (Z)

International Association of Plumbing & Mechanical Officials
18927 Hickory Creek Drive, Suite 220
Mokena, IL 60448
<https://www.iapmostandards.org>
Terry Burger
terry.burger@asse-plumbing.org;
standards@iapmostandards.org

IEST

Institute of Environmental Sciences and Technology
1827 Walden Office Square, Suite 400
Schaumburg, IL 60173
www.iest.org
Jennifer Sklena
jsklena@iest.org

ITI (INCITS)

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

NEMA (ASC C12)

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

NEMA (ASC C8)

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

NFPA

National Fire Protection Association
One Batterymarch Park
Quincy, MA 02169
www.nfpa.org
Dawn Michele Bellis
dbellis@nfpa.org

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105
www.nsf.org
Allan Rose
arose@nsf.org
Jason Snider
jsnider@nsf.org
Monica Milla
mmilla@nsf.org
Rachel Brooker
rbrooker@nsf.org

PEARL

Professional Electrical Apparatus Recyclers League
17 Faulkner Drive
Niantic, CT 06357
www.pearl1.org
Michael Tierney
mtierney@kellencompany.com

SCTE

Society of Cable Telecommunications Engineers
140 Philips Rd
Exton, PA 19341
www.scte.org
Kim Cooney
kcooney@scte.org

TIA

Telecommunications Industry Association
1320 North Courthouse Road, Suite 200
Arlington, VA 22201
www.tiaonline.org
Teesha Jenkins
standards-process@tiaonline.org

ULSE

UL Standards & Engagement
12 Laboratory Drive
Research Triangle Park, NC 27709
<https://ul.org/>
Caroline Treuthardt
caroline.treuthardt@ul.org

Doreen Stocker
Doreen.Stocker@ul.org
Julio Morales
Julio.Morales@UL.org
Patricia Sena
patricia.a.sena@ul.org
Shannon Henesy
shannon.henesy@ul.org
Vickie Hinton
Vickie.T.Hinton@ul.org

ULSE

UL Standards & Engagement
333 Pflugsten Road
Northbrook, IL 60062
<https://ul.org/>
Jeff Prusko
jeffrey.prusko@ul.org
Megan Monsen
megan.monsen@ul.org
Megan Van Heirseese
Megan.M.VanHeirseese@ul.org

Mitchell Gold
mitchell.gold@ul.org

ULSE

UL Standards & Engagement
9 Burlington Crescent
Ottawa, ON K1T3L
<https://ul.org/>
Celine Eid
celine.eid@ul.org

VITA

VMEbus International Trade Association (VITA)
929 W. Portobello Avenue
Mesa, AZ 85210
www.vita.com
Jing Kwok
jing.kwok@vita.com

ISO & IEC Draft International Standards



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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

Acoustics (TC 43)

ISO/DIS 9613-2, Acoustics - Attenuation of sound during propagation - Part 2: Engineering method for the prediction of sound pressure levels outdoors - 12/17/2022, \$119.00

Air quality (TC 146)

ISO/DIS 19694-7, Stationary source emissions - Determination of greenhouse gas emissions in energy-intensive industries - Part 7: Semiconductor and display industries - 12/16/2022, \$112.00

ISO/DIS 21438-2, Workplace atmospheres - Determination of inorganic acids by ion chromatography - Part 2: Volatile acids, except hydrofluoric acid (hydrochloric acid, hydrobromic acid and nitric acid) - 12/17/2022, \$82.00

Aircraft and space vehicles (TC 20)

ISO/DIS 5286, Test methods for flight performance of civil light weight and small fixed-wing UAS - 12/15/2022, \$46.00

ISO/DIS 5312, Evaluation and test method of rotor blade sharp injury to human body for civil lightweight and small UA - 12/16/2022, \$46.00

Building environment design (TC 205)

ISO/DIS 11855-8, Building environment design - Design, dimensioning, installation and control of embedded radiant heating and cooling systems - Part 8: Electrical heating systems - 12/19/2022, \$53.00

Copper, lead and zinc ores and concentrates (TC 183)

ISO/DIS 3483, Copper and zinc sulfide concentrates - Determination of thallium - Acid digestion and inductively coupled plasma - Mass spectrometry - 12/15/2022, \$58.00

Corrosion of metals and alloys (TC 156)

ISO/DIS 19735, Corrosion of metals and alloys - Corrosivity of atmospheres - Mapping areas of increased risk of corrosion - 12/16/2022, \$53.00

Fire safety (TC 92)

ISO/DIS 13943, Fire safety - Vocabulary - 12/16/2022, \$134.00

Gas cylinders (TC 58)

ISO 11114-1:2020/DAMd 1, - Amendment 1: Gas cylinders - Compatibility of cylinder and valve materials with gas contents - Part 1: Metallic materials - Amendment 1 - 12/22/2022, \$46.00

ISO/DIS 4706.2, Gas cylinders - Refillable welded steel cylinders - Test pressure 60 bar and below - 10/13/2022, \$102.00

Machine tools (TC 39)

ISO/DIS 19085-13, Woodworking machines - Safety - Part 13: Multi-blade rip sawing machines with manual loading and/or unloading - 12/19/2022, \$112.00

ISO/DIS 19085-15, Woodworking machines - Safety - Part 15: Presses - 12/17/2022, \$107.00

Medical devices for injections (TC 84)

ISO/DIS 10555-1, Intravascular catheters - Sterile and single-use catheters - Part 1: General requirements - 12/16/2022, \$112.00

ISO/DIS 10555-4, Intravascular catheters - Sterile and single-use catheters - Part 4: Balloon dilatation catheters - 12/16/2022, \$71.00

Nuclear energy (TC 85)

ISO/DIS 20956, Radiological protection - Low dose rate calibration of instruments for environmental and area monitoring - 12/15/2022, \$62.00

ISO/DIS 24426, Radiological protection - Format of input data for the statistical description of dose records of individuals monitored for occupational exposure to ionizing radiation - 12/22/2022, \$77.00

Other

ISO/DIS 20137, Leather - Chemical tests - Guidelines for testing critical chemicals in leather - 12/19/2022, \$67.00

Prosthetics and orthotics (TC 168)

ISO/DIS 13404-1, Prosthetics and orthotics - External orthoses and orthotic components - Uses, functions, classification and description - Part 1: Lower limb orthosis - 12/17/2022, \$53.00

Ships and marine technology (TC 8)

ISO/DIS 22804, Marine technology - General technical requirement of marine Conductivity-Temperature-Depth (CTD) measuring instrument - 12/16/2022, \$71.00

Tyres, rims and valves (TC 31)

ISO/DIS 14960-1, Tubeless tyres - Valves and components - Part 1: Test methods - 12/15/2022, \$58.00

ISO/DIS 24163-2, Clamp-in tyre valves for tyre pressure monitoring systems - Part 2: Test methods and performance - 12/16/2022, \$62.00

Vacuum technology (TC 112)

ISO/DIS 21360-6, Vacuum technology - Standard methods for measuring vacuum-pump performance - Part 6: Cryo vacuum pumps - 12/22/2022, \$58.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 18092, Telecommunications and information exchange between systems - Near Field Communication - Interface and Protocol (NFCIP-1) - 12/15/2022, \$119.00

ISO/IEC DIS 14496-12, Information technology - Coding of audio-visual objects - Part 12: ISO base media file format - 12/18/2022, \$230.00

IEC Standards**All-or-nothing electrical relays (TC 94)**

94/755/CD, IEC 61810-7-45 ED1: All-or-nothing electrical relays - Tests and Measurements - Part 7-45: Maximum frequency of operation, 11/25/2022

94/756/CD, IEC 61810-7-48 ED1: All-or-nothing electrical relays - Tests and Measurements - Part 7-48: Contact reliability test, 11/25/2022

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

46A/1603/CD, IEC 61196-13-1 ED1: COAXIAL COMMUNICATION CABLES - Part 13-1: Blank detail specification for semi-rigid cables with silicon dioxide dielectric, 12/23/2022

Electric traction equipment (TC 9)

9/2885/CD, IEC 61375-1 ED4: Electronic railway equipment - Train communication network (TCN) - Part 1: General architecture, 12/23/2022

Electrical accessories (TC 23)

23K/78/FDIS, IEC 62991 ED1: Particular requirements for source switching equipment (SSE), 11/11/2022

23H/517/DPAS, IEC PAS 63472 ED1: Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 3-2: Dimensional compatibility description for configuration FF AC/DC contact-tube vehicle coupler, 11/25/2022

Electrical equipment in medical practice (TC 62)

62B/1297(F)/FDIS, IEC 60601-2-43 ED3: Medical electrical equipment - Part 2-43: Particular requirements for the basic safety and essential performance of X-ray equipment for interventional procedures, 10/21/2022

Electromagnetic compatibility (TC 77)

77A/1153A/DTR, IEC TR 61000-2-15 ED1: Electromagnetic compatibility - Part 2-15: Description of the characteristics of networks with high penetration of power electronics equipment, 11/18/2022

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

112/582(F)/FDIS, IEC 60216-5 ED4: Electrical insulating materials - Thermal endurance properties - Part 5: Determination of relative temperature index (RTI) of an insulating material, 10/14/2022

112/583(F)/FDIS, IEC 60216-6 ED3: Electrical insulating materials - Thermal endurance properties - Part 6: Determination of thermal endurance indices (TI and RTI) of an insulating material using the fixed time frame method, 10/14/2022

Fibre optics (TC 86)

86B/4656(F)/FDIS, IEC 61300-3-4 ED4: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-4: Examinations and measurements - Attenuation, 10/14/2022

86/605(F)/FDIS, IEC 62496-2-5 ED1: Optical circuit boards - Basic test and measurement procedures - Part 2-5: Flexibility test for flexible opto-electric circuits, 11/04/2022

Fuel Cell Technologies (TC 105)

105/947/FDIS, IEC 62282-4-102 ED2: Fuel cell technologies - Part 4-102: Fuel cell power systems for electrically powered industrial trucks - Performance test methods, 11/11/2022

Industrial-process measurement and control (TC 65)

65C/1181/CDV, IEC 61139-3 ED1: Industrial networks - Single-drop digital communication interface - Part 3: Wireless extensions, 12/23/2022

65A/1056/CD, IEC 61508-1 ED3: Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 1: General requirements (see Functional Safety and IEC 61508), 01/20/2023

65A/1057/CD, IEC 61508-2 ED3: Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems (see Functional Safety and IEC 61508), 01/20/2023

65A/1058/CD, IEC 61508-3 ED3: Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 3: Software requirements (see Functional Safety and IEC 61508), 01/20/2023

65A/1059/CD, IEC 61508-4 ED3: Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 4: Definitions and abbreviations (see Functional Safety and IEC 61508), 01/20/2023

65A/1060/CD, IEC 61508-5 ED3: Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 5: Examples of methods for the determination of safety integrity levels (see Functional Safety and IEC 61508), 01/20/2023

65A/1061/CD, IEC 61508-6 ED3: Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 6: Guidelines on the application of IEC 61508-2 and IEC 61508-3 (see Functional Safety and IEC 61508), 01/20/2023

65A/1062/CD, IEC 61508-7 ED3: Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 7: Overview of techniques and measures (see Functional Safety and IEC 61508), 01/20/2023

65C/1185/CD, IEC 61784-3/AMD1 ED4: Amendment 1 - Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions, 12/23/2022

Lamps and related equipment (TC 34)

34/947(F)/FDIS, IEC 62386-101 ED3: Digital addressable lighting interface - Part 101: General requirements - System components, 10/14/2022

Maritime navigation and radiocommunication equipment and systems (TC 80)

80/1047/CD, IEC 61162-1 ED6: Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 1: Single talker and multiple listeners, 11/25/2022

80/1048/CD, IEC 61162-2 ED2: Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 2: Single talker and multiple listeners, high-speed transmission, 11/25/2022

80/1049/CD, IEC 61162-450 ED3: Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 450: Multiple talkers and multiple listeners - Ethernet interconnection, 11/25/2022

80/1050/CD, IEC 61162-460 ED3: Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 460: Multiple talkers and multiple listeners - Ethernet interconnection - Safety and security, 11/25/2022

Nuclear instrumentation (TC 45)

45B/1011(F)/FDIS, IEC 62618 ED2: Radiation protection instrumentation - Spectroscopy-based alarming Personal Radiation Detectors (SPRD) for the detection of illicit trafficking of radioactive material, 10/21/2022

Quantities and units, and their letter symbols (TC 25)

25/742/FDIS, ISO 80000-1 ED2: Quantities and units - Part 1: General, 11/11/2022

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

116/626/CDV, IEC 62841-4-8 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-8: Particular requirements for shredders/chippers, 12/23/2022

Safety of measuring, control, and laboratory equipment (TC 66)

66/770/FDIS, IEC 61010-031 ED3: Safety requirements for electrical equipment for measurement, control and laboratory use - Part 031: Safety requirements for hand-held and hand-manipulated probe assemblies for electrical test and measurement, 11/11/2022

Small power transformers and reactors and special transformers and reactors (TC 96)

96/556(F)/FDIS, IEC 61558-2-20 ED3: Safety of transformers, reactors, power supply units and combinations thereof - Part 2 -20: Particular requirements and tests for small reactors, 11/04/2022

Standard voltages, current ratings and frequencies (TC 8)

8A/114/NP, PNW TS 8A-114 ED1: Joint commissioning for grid-connection of offshore wind farms via VSC-HVDC transmission, 12/23/2022

Surface mounting technology (TC 91)

91/1813/CD, IEC 63215-3 ED1: Endurance test methods for die attach materials - Part 3: Power cycling test method for die attach materials applied to discrete type power electronic devices, 12/23/2022

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

99/374(F)/FDIS, IEC 60071-11 ED1: Insulation co-ordination - Part 11 - Definitions, principles and rules for HVDC system, 10/21/2022

(TC)

CIS/H/461A/CD, CISPR 16-4-6 ED1: Specification for radio disturbance and immunity Measuring apparatus and methods - Part 4-6: Uncertainties, statistics and limit modelling - Statistics on radio frequency interference (RFI) and verification by measurements in the field, 12/09/2022

Wind turbine generator systems (TC 88)

88/910/DTS, IEC TS 61400-30 ED1: Wind energy generation systems - Part 30: Safety of wind turbine generators - General principles for design, 12/23/2022

88/911/NP, PNW TS 88-911 ED1: Wind energy generation systems - Part 21-6: Test procedures for grid adaptability of wind turbines, 12/23/2022



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

Acoustics (TC 43)

[ISO 362-3:2022](#), Acoustics - Measurement of noise emitted by accelerating road vehicles - Engineering method - Part 3: Indoor testing M and N categories, \$225.00

Agricultural food products (TC 34)

[ISO 16578:2022](#), Molecular biomarker analysis - Requirements for microarray detection of specific nucleic acid sequences, \$111.00

Air quality (TC 146)

[ISO 23861:2022](#), Workplace air - Chemical agent present as a mixture of airborne particles and vapour - Requirements for evaluation of measuring procedures using samplers, \$149.00

Fasteners (TC 2)

[ISO 898-2:2022](#), Fasteners - Mechanical properties of fasteners made of carbon steel and alloy steel - Part 2: Nuts with specified property classes, \$175.00

Fertilizers and soil conditioners (TC 134)

[ISO 8157:2022](#), Fertilizers, soil conditioners and beneficial substances - Vocabulary, \$48.00

Mechanical testing of metals (TC 164)

[ISO 11531:2022](#), Metallic materials - Sheet and strip - Earing test, \$48.00

Microbeam analysis (TC 202)

[ISO 22029:2022](#), Microbeam analysis - EMSA/MAS standard file format for spectral-data exchange, \$73.00

Non-destructive testing (TC 135)

[ISO 24543:2022](#), Non-destructive testing - Acoustic emission testing - Verification of the receiving sensitivity spectra of piezoelectric acoustic emission sensors, \$225.00

Paints and varnishes (TC 35)

[ISO 8130-16:2022](#), Coating powders - Part 16: Determination of density by liquid displacement in a measuring cylinder, \$48.00

Personal safety - Protective clothing and equipment (TC 94)

[ISO 16976-2:2022](#), Respiratory protective devices - Human factors - Part 2: Anthropometrics, \$149.00

Powder metallurgy (TC 119)

[ISO 5755:2022](#), Sintered metal material - Specifications, \$225.00

Ships and marine technology (TC 8)

[ISO 7496-2:2022](#), Ships and marine technology - Vocabulary on inland navigation vessels - Part 2: Ship's shaftings, \$48.00

Small craft (TC 188)

[ISO 25197:2020/Amd 1:2022](#), Small craft - Electrical/electronic control systems for steering, shift and throttle - Amendment 1, \$20.00

Surface chemical analysis (TC 201)

[ISO 24417:2022](#), Surface chemical analysis - Analysis of metallic nanolayers on iron based substrates by glow-discharge optical-emission spectrometry, \$175.00

Textiles (TC 38)

[ISO 14389:2022](#), Textiles - Determination of the phthalate content - Tetrahydrofuran method, \$149.00

Tractors and machinery for agriculture and forestry (TC 23)

[ISO 23316-1:2022](#), Tractors and machinery for agriculture and forestry - Electrical high-power interface 700 V DC / 480 V AC - Part 1: General, \$73.00

ISO Technical Specifications

Transport information and control systems (TC 204)

[ISO/TS 20684-4:2022](#), Intelligent transport systems - Roadside modules SNMP data interface - Part 4: Notifications, \$175.00

[ISO/TS 20684-5:2022](#), Intelligent transport systems - Roadside modules SNMP data interface - Part 5: Logs, \$149.00

[ISO/TS 20684-7:2022](#), Intelligent transport systems - Roadside modules SNMP data interface - Part 7: Support features, \$200.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 13818-1:2022](#), Information technology - Generic coding of moving pictures and associated audio information - Part 1: Systems, \$250.00

[ISO/IEC 18181-3:2022](#), Information technology - JPEG XL Image Coding System - Part 3: Conformance testing, \$73.00

[ISO/IEC 19075-9:2022](#), Information technology - Guidance for the use of database language SQL - Part 9: Online analytic processing (OLAP) capabilities (Guide/OLAP), \$200.00

[ISO/IEC 19823-11:2022](#), Information technology - Conformance test methods for security service crypto suites - Part 11: Crypto suite PRESENT-80, \$73.00

[ISO/IEC 23008-12:2022](#), Information technology - MPEG systems technologies - Part 12: Image File Format, \$250.00

IEC Standards

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

[S+ IEC/TR 60890 Ed. 3.0 en:2022 \(Redline version\)](#), A method of temperature-rise verification of low-voltage switchgear and controlgear assemblies by calculation, \$460.00

IEC Technical Reports

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

[IEC/TR 60890 Ed. 3.0 en:2022](#), A method of temperature-rise verification of low-voltage switchgear and controlgear assemblies by calculation, \$354.00

Accreditation Announcements (U.S. TAGs to ISO)

Approval of Accreditation – U.S. TAG to ISO

TC 269, Railway applications

Effective September 23, 2022

ANSI's Executive Standards Council (ExSC) has formally approved the accreditation of the **U.S. Technical Advisory Group to ISO TC 269, Railway applications (including SC 1, Infrastructure and SC 2, Rolling stock)** and the appointment of ANSI (with technical and financial support from the **U.S. Dept. of Transportation Volpe Center**) as TAG Administrator, effective **September 23, 2022**. The TAG will operate under the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities as contained in Annex A of the ANSI International Procedures. For additional information, please contact: Jason Knopes, Sr. Manager, ANSI, 25 W 43rd Street, 4th Floor, New York, NY 10036; phone: 212.642.4886; email: jknopes@ansi.org

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).

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

- o *fire hazards and fire risk to life and to property;*
- o *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:

- o *materials and equipments already covered by other technical committees;*
- o *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).

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).

International Organization for Standardization (ISO)

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**.

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.

International Organization for Standardization (ISO)

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.

Tracking number 42i123r1 et al

Revision to NSF/ANSI 42-2021

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Issue 123 Revision 1 (September 2022)

Multiple revisions to 42i123r1, 44i50r1, 53i147r1, 55i64r1, 58i102r1, 62i45r1, 244i21r1, and 401i29r1

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

NSF/ANSI 42 for Drinking Water Treatment Units

Drinking Water Treatment Units – Aesthetic Effects

⋮

2 Normative references

⋮

NSF/ANSI/CAN 60, *Drinking Water Treatment Chemicals – Health Effects*

NSF/ANSI/CAN 372, *Drinking Water System Components – Lead Content*

⋮

4 Materials

4.1 Materials in contact with drinking water

4.1.1 POE drinking water treatment units shall conform to the protocol in NSF/ANSI/CAN 61.

4.1.2 POU drinking water treatment units shall conform to the protocol in this section and be evaluated for weighted average lead content in accordance with NSF/ANSI/CAN 372, *Drinking Water System Components – Lead Content*. The weighted average lead content of the contact materials and coated substrates shall be ≤ 0.25%.

⋮

NSF/ANSI 44 for Drinking Water Treatment Units

Residential Cation Exchange Water Softeners

⋮

2 Normative references

⋮

NSF/ANSI/CAN 61, *Drinking Water System Components – Health Effects*

NSF/ANSI/CAN 372, *Drinking Water System Components – Lead Content*

⋮

4 Materials

4.1 Materials in contact with drinking water

4.1.1 Point-of-entry (POE) drinking water treatment units shall conform to the protocol in NSF/ANSI/CAN 61.

4.1.2 Point-of-use (POU) drinking water treatment units shall conform to the protocol in this section and be evaluated for weighted average lead content in accordance with NSF/ANSI/CAN 372, *Drinking Water System Components – Lead Content*. The weighted average lead content of the contact materials and coated substrates shall be ≤ 0.25%.

Tracking number 42i123r1 et al

Revision to NSF/ANSI 42-2021

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Issue 123 Revision 1 (September 2022)

Multiple revisions to 42i123r1, 44i50r1, 53i147r1, 55i64r1, 58i102r1, 62i45r1, 244i21r1, and 401i29r1

⋮

NSF/ANSI 53

for Drinking Water Treatment Units

Drinking Water Treatment Units — Health Effects

⋮

2 Normative references

⋮

NSF/ANSI/CAN 61, *Drinking Water System Components – Health Effects*

NSF/ANSI/CAN 372, *Drinking Water System Components – Lead Content*

⋮

4 Materials

4.1 Materials in contact with drinking water

4.1.1 POE drinking water treatment units shall conform to the protocol in NSF/ANSI/CAN 61.

4.1.2 POU drinking water treatment units shall conform to the protocol in this section and be evaluated for weighted average lead content in accordance with NSF/ANSI/CAN 372, *Drinking Water System Components – Lead Content*. The weighted average lead content of the contact materials and coated substrates shall be $\leq 0.25\%$.

⋮

NSF/ANSI 55

for Drinking Water Treatment Units

Ultraviolet Microbiological Water Treatment Systems

⋮

2 Normative references

⋮

NSF/ANSI/CAN 61, *Drinking Water System Components – Health Effects*

NSF/ANSI/CAN 372, *Drinking Water System Components – Lead Content*

⋮

NSF/ANSI/CAN 600, *Health Effects and Evaluation Criteria for Chemicals in Drinking Water*

⋮

4 Materials

4.1 Materials in contact with drinking water

4.1.1 POE drinking water treatment units shall conform to the protocol in NSF/ANSI/CAN 61.

4.1.2 POU drinking water treatment units shall conform to the protocol in this section and be evaluated for weighted average lead content in accordance with NSF/ANSI/CAN 372, *Drinking Water System Components – Lead Content*. The weighted average lead content of the contact materials and coated substrates shall be $\leq 0.25\%$.

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Revision to NSF/ANSI 42-2021

Issue 123 Revision 1 (September 2022)

NSF/ANSI 58 for Drinking Water Treatment Units

Reverse Osmosis Drinking Water Treatment Systems

:

2 Normative references

:

NSF/ANSI/CAN 372, *Drinking Water System Components – Lead Content*

NSF/ANSI/CAN 600, *Health Effects and Evaluation Criteria for Chemicals in Drinking Water*

:

4 Materials

4.1 Materials in contact with drinking water

4.1.1 Acceptance criteria

4.1.1.1 Materials in contact with drinking water shall not impart levels of target compounds or tentatively identified compounds (TICs) that exceed the total allowable concentration (TAC), maximum contaminant levels (MCL), or maximum acceptable concentration (MAC) criteria specified in NSF/ANSI/CAN 600, Table 4.1: *Drinking water criteria*. Any extractable contaminants not listed in the referenced tables shall be reviewed and shall not exceed criteria developed in accordance with NSF/ANSI/CAN 600, Section 3: *Toxicology review and evaluation procedures*.

4.1.1.2 TIC identification and quantitation shall be conducted in accordance with Section 4.5.1.2. Additional TIC identification and quantitation should be verified using a standard of the compound in question or an alternate approved analytical method. Additional TIC identification and quantitation is recommended when the contaminant is a health risk or when the “probability-based matching” process in Section 4.5.1.2 is inconclusive. When possible, the product manufacturer should assist and support the testing laboratory in the identification of a standard for the compound and an appropriate analytical method, if applicable, so that confirmatory identification and quantification can be performed. If a standard and an adequate alternative analytical method are not available to verify the identification and quantitation of the compound, the TIC shall be evaluated according to Section 4.5.1.2.

NOTE — Manufacturers may not be privy to formulation information, so they may not be able to assist a testing laboratory to identify a standard for the compound that extracted. Refer to Section 4.5.1.2 when the manufacturer does not have material formulation information.

4.1.1.3 Unknown contaminants detected by GC/MS analysis for which identification is unable to be made after performing the steps in Section 4.5.1 shall be reported in accordance to Section 4.1.2.2.

4.1.1.4 Whole-system or component assembly extraction testing may be waived if components, when separately tested, meet the requirements of this standard and are assembled in a manner that does not introduce any new components or materials, increase the surface area-to-volume ratio of previously evaluated components, or present potential concern based on cumulative factors. The reported extractable concentrations for components shall be arithmetically added to ensure that the whole-system or component assembly meets the allowable levels in accordance with Tables 4.1, 4.2, and 4.3, NSF/ANSI/CAN 61, and NSF/ANSI/CAN 600.

4.1.1.5 POU drinking water treatment units shall conform to the requirements of this section and be evaluated for weighted average lead content in accordance with NSF/ANSI/CAN 372, *Drinking Water System Components – Lead Content*. The weighted average lead content of the contact materials and coated substrates shall be $\leq 0.25\%$.

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NSF/ANSI 62 for Drinking Water Treatment Units

Drinking Water Distillation Systems

⋮

2 Normative references

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NSF/ANSI/CAN 372, *Drinking Water System Components – Lead Content*

NSF/ANSI/CAN 600, *Health Effects and Evaluation Criteria for Chemicals in Drinking Water*

⋮

4 Materials

4.1 Materials in contact with drinking water

4.1.1 POE drinking water treatment units shall conform to the protocol in NSF/ANSI/CAN 61.

4.1.2 POU drinking water treatment units shall conform to the protocol in this section and be evaluated for weighted average lead content in accordance with NSF/ANSI/CAN 372, *Drinking Water System Components – Lead Content*. The weighted average lead content of the contact materials and coated substrates shall be $\leq 0.25\%$.

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NSF/ANSI 244

for Drinking Water Treatment Units

Supplemental Microbiological Water Treatment Systems – Filtration

⋮

2 Normative references

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NSF/ANSI 62, *Drinking Water Distillation Systems*

NSF/ANSI/CAN 372, *Drinking Water System Components – Lead Content*

⋮

4 Materials

4.1 Materials in contact with drinking water

4.1.1 POE drinking water treatment units shall conform to the protocol in NSF/ANSI/CAN 61.

4.1.2 POU drinking water treatment units shall conform to the protocol in this section and be evaluated for weighted average lead content in accordance with NSF/ANSI/CAN 372, *Drinking Water System Components – Lead Content*. The weighted average lead content of the contact materials and coated substrates shall be $\leq 0.25\%$.

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NSF/ANSI 401 for Drinking Water Treatment Units –

Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants

⋮

2 Normative references

⋮

NSF/ANSI/CAN 61, *Drinking Water System Components – Health Effects*

NSF/ANSI 330, *Glossary of Drinking Water Treatment Unit Terminology*

NSF/ANSI/CAN 372, *Drinking Water System Components – Lead Content*

NSF/ANSI/CAN 600, *Health Effects and Evaluation Criteria for Chemicals in Drinking Water*

⋮

4 Materials

4.1 Materials in contact with drinking water

4.1.1 POE drinking water treatment units shall conform to the protocol in NSF/ANSI/CAN 61.

4.1.2 POU drinking water treatment units shall conform to the protocol in this section and be evaluated for weighted average lead content in accordance with NSF/ANSI/CAN 372, *Drinking Water System Components – Lead Content*. The weighted average lead content of the contact materials and coated substrates shall be $\leq 0.25\%$.

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Rationale:

- ***This ballot adds NSF/ANSI/CAN 372: Drinking Water System Components – Lead Content as a prerequisite to all DTWU standards to align with regulatory compliance and for consistency with other standards in the marketplace.***
- ***NSF/ANSI 177 is not included in this ballot as it already contains low lead compliance requirements.***

Tracking number 53i148r1
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Revision to NSF/ANSI 53-2021
Issue 148 Revision 1 (September 2022)

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NSF/ANSI Standard for Drinking Water Treatment Units

Drinking Water Treatment Units — Health Effects

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7.2 Chemical reduction claims

7.2.1 Organic chemical reduction testing

7.2.1.1 Organic chemical reduction claims

Claims for chemical reduction may be made for the group of organic chemicals shown in Table 7.1 when tested in accordance with Section 7.2.1.

Table 7.1
Chemical reduction requirements

Substance	Individual influent sample point limits ¹ (mg/L)	Average influent challenge ² (mg/L)	Maximum effluent concentration (mg/L)	US EPA Method(s) ^{3,4}
alachlor	0.04 ± 40%	0.04 ± 10%	0.002	505, 508, 525
atrazine	0.009 ± 40%	0.009 ± 10%	0.003	505, 508, 525
benzene	0.015 ± 30%	0.015 ± 10%	0.005	502.2, 524.2, 524.3
carbofuran	0.08 ± 45%	0.08 ± 10%	0.04	531.1
carbon tetrachloride	0.015 ± 30%	0.015 ± 10%	0.005	502.2, 524.2, 524.3
chlordane	0.04 ± 30%	0.04 ± 10%	0.002	505, 508, 525
chlorobenzene	2.0 ± 30%	2.0 ± 10%	0.1	502.2, 524.2, 524.3
2,4-D	0.210 ± 30%	0.210 ± 10%	0.07	515.3
dibromochloropropane	0.004 ± 50%	0.004 ± 10%	0.0002	504.1
o-dichlorobenzene	1.8 ± 30%	1.8 ± 10%	0.6	502.2, 524.2, 524.3
p-dichlorobenzene	0.225 ± 30%	0.225 ± 10%	0.075	502.2, 524.2, 524.3
1,2-dichloroethane	0.015 ± 30%	0.015 ± 10%	0.005	502.2, 524.2, 524.3

Table 7.1
Chemical reduction requirements

Substance	Individual influent sample point limits ¹ (mg/L)	Average influent challenge ² (mg/L)	Maximum effluent concentration (mg/L)	US EPA Method(s) ^{3,4}
1,1-dichloroethylene	0.021 ± 30%	0.021 ± 10%	0.007	502.2, 524.2, 524.3
cis-1,2-dichloroethylene	1.4 ± 30%	1.4 ± 10%	0.07	502.2, 524.2, 524.3
trans-1,2-dichloroethylene	2.0 ± 30%	2.0 ± 10%	0.1	502.2, 524.2, 524.3
1,2-dichloropropane	0.015 ± 30%	0.015 ± 10%	0.005	502.2, 524.2, 524.3
dinoseb	0.021 ± 30%	0.021 ± 10%	0.007	515.3
endrin	0.006 ± 40%	0.006 ± 10%	0.002	505, 508, 525
ethylbenzene	2.1 ± 30%	2.1 ± 10%	0.7	502.2, 524.2, 524.3
ethylene dibromide	0.001 ± 50%	0.001 ± 10%	0.00005	504.1
heptachlor (H-34, heptox)	0.08 ± 40%	0.08 ± 10%	0.0004	505, 508, 525
heptachlor epoxide	0.004 ± 40%	0.004 ± 10%	0.0002	505, 508, 525
hexachlorocyclopentadiene	0.15 ± 40%	0.15 ± 10%	0.05	505, 508, 525
lindane	0.002 ± 40%	0.002 ± 10%	0.0002	505, 508, 525
methoxychlor ⁵	0.12 ± 40%	0.12 ± 10%	0.04	505, 508, 525
methyl <i>tert</i> -butyl ether (MTBE) ⁶	0.015 ± 40%, 0.015 ± 50% ⁷	0.015 ± 20%	0.005	502.2, ⁸ 524.2, 524.3
pentachlorophenol	0.01 ± 30%	0.01 ± 10%	0.001	515.3
per- and polyfluoroalkyl substances (PFAS)				
total PFAS ⁹	0.00216 ± 30%	0.00216 ± 20%	0.00002 ¹⁰	537.1, 533, 8327
perfluoroheptanoic acid (PFHpA)	0.00004 ± 30%	0.00004 ± 20%	0.00002 ¹⁰	537.1, 533, 8327
perfluorohexane sulfonic acid (PFHxS)	0.0003 ± 30%	0.0003 ± 20%	0.00002 ¹⁰	537.1, 533, 8327
perfluorononanoic acid (PFNA)	0.00005 ± 30%	0.00005 ± 20%	0.000006	537.1, 533, 8327
perfluorooctanoic acid (PFOA), and perfluorooctane sulfonate (PFOS) ¹¹	0.0015 ± 30%	0.0015 ± 20% added as 1.0 µg/L PFOS and 0.5 µg/L PFOA	0.00002 ¹⁰	537.1, 533, 8327 or refer to Annex I-5 ¹²
polychlorinated biphenyls (PCBs, Aroclor 1260)	0.01 ± 40%	0.01 ± 10%	0.0005	505, 508, 525
simazine	0.012 ± 40%	0.012 ± 10%	0.004	505, 525.2, 508
styrene	2.0 ± 30%	2.0 ± 10%	0.1	502.2, 524.2, 524.3

Table 7.1
Chemical reduction requirements

Substance	Individual influent sample point limits ¹ (mg/L)	Average influent challenge ² (mg/L)	Maximum effluent concentration (mg/L)	US EPA Method(s) ^{3,4}
2,4,5-TP (silvex)	0.15 ± 30%	0.15 ± 10%	0.05	515.3
tetrachloroethylene	0.015 ± 30%	0.015 ± 10%	0.005	502.2, 524.2, 524.3
toluene	3.0 ± 30%	3.0 ± 10%	1	502.2, 524.2, 524.3
toxaphene	0.015 ± 40%	0.015 ± 10%	0.003	505, 508, 525
1,2,4-trichlorobenzene	0.21 ± 30%	0.21 ± 10%	0.07	502.2, 524.2, 524.3
1,1,1-trichloroethane	0.6 ± 30%	0.6 ± 10%	0.2	502.2, 524.2, 524.3
1,1,2-trichloroethane	0.015 ± 30%	0.015 ± 10%	0.005	502.2, 524.2, 524.3
trichloroethylene	0.300 ± 30%	0.300 ± 10%	0.005	502.2, 524.2, 524.3
1,2,3-trichloropropane	0.0003 ± 30%	0.0003 ± 10%	0.000005	504, ¹² 524 ¹²
TTHM ¹³ (as chloroform)	0.45 ± 30%	0.45 ± 20%	0.080	502.2, 524.2, 524.3
xylenes	30 ± 30%	30 ± 10%	10	502.2, 524.2, 524.3

¹ Equals average influent challenge concentration variability plus one of the following, in order of availability:

1. Acceptable continuing calibration verification (CCV) limits stated in the appropriate US EPA Method.
2. Acceptable spike recoveries as stated in the appropriate US EPA Method.
3. Opinion of laboratory professionals – no guidance available in US EPA Method.

² Reason for influent challenge levels: challenge concentrations should be selected to simulate what a system will be challenged with in the field and/or to provide an accurate and reproducible indicator of performance. The following sequence of criteria is used to select challenge concentrations:

- a) The upper percentile concentration of available occurrence data (the concentration for which there is high probability [$P < 0.05$] that 95% of the population will be exposed to waters of lower concentration). Occurrence data shall come from national monitoring programs administered by the US EPA or the USGS. Other occurrence data shall be accepted by the Joint Committee on Drinking Water Treatment Units.
- b) The concentration obtained by multiplying the US EPA's published MCL by three. This concentration will not be adequate when US EPA MCL is very low.

³ When more than one method is cited, either method may be used for analysis.

⁴ The RL for the analytical method shall not exceed the pass/fail limit.

⁵ It is recognized that the reported solubility of methoxychlor is 0.04 mg/L. Under simulated test conditions the highest influent concentration attainable shall be used.

⁶ The maximum effluent value is based on the taste and odor threshold. Due to lack of occurrence data, the influent challenge has been set to three times the maximum effluent concentration.

⁷ The first limits apply to analysis conducted according to the first US EPA Method, and the second limits apply to analysis conducted according to US EPA Methods 524.2 or 524.3.

Tracking number 53i148r1
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Revision to NSF/ANSI 53-2021
Issue 148 Revision 1 (September 2022)

Table 7.1
Chemical reduction requirements

Substance	Individual influent sample point limits ¹ (mg/L)	Average influent challenge ² (mg/L)	Maximum effluent concentration (mg/L)	US EPA Method(s) ^{3,4}
<p>⁸ MTBE may be quantified using US EPA Method 502.2 when all quality control procedures for US EPA Method 502.2 are followed.</p> <p>⁹ There are two test methods for PFAS contaminant reduction claims: total PFAS and individual contaminants (see Section 7.2.6.1 for details). The test mixture for total PFAS is made up of PFOA (500 ppt), PFOS (1000 ppt), PFHxS (300 ppt), PFNA (50 ppt), PFHpA (40 ppt), PFBS (260 ppt), and PFDA (10 ppt). However, PFBS and PFDA have not been included as individual contaminant reduction claims because current data indicate they do not occur at levels higher than their health advised levels established by states. Therefore, the average influent concentration for total PFAS is not equal to the sum of the average influent concentration values for the individual claims.</p> <p>¹⁰ This effluent value is based on the maximum contaminant levels or health advisories in force in several New England States for a total PFAS level of 0.00002 mg/L.</p> <p>¹¹ Influent challenge levels for PFOS were based on the upper percentile concentration per EPA's UCMR3 occurrence data (2013-2015) (the concentration for which there is high probability [P <0.01] that 99% of the population will be exposed to waters of lower concentration). Influent challenge levels for PFOA were based on the upper percentile concentration of private well and public water supply sampling in Hoosick Falls New York (the concentration for which there is high probability [P <0.10] that 90% of the population will be exposed to waters of lower concentration). This influent concentration is higher than the maximum concentration per US EPA's UCMR3 occurrence data (2013-2015). PFOS and PFOA will be added gravimetrically in a ratio of five parts PFOA to 10 parts PFOS by weight to achieve the total influent concentration.</p> <p>¹² Any needed modification / improvement on the method shall be performed as described and validated within the method. If alternate methods are used, they shall be validated as equivalent or better in precision and accuracy than the specified method.</p> <p>¹³ For test purposes, chloroform shall be added to the influent water and shall be analyzed in the influent and product waters.</p>				

Rationale: Adds US EPA Methods 505, 508, and 525 to several substances as an option for lab testing.

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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

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~~4.5.25~~ **4.3.2** Supplier qualification procedures shall ~~be established and~~ include initial qualification, periodic examination (requalification), ~~and procedures for disqualification and as necessary, expedited approval of suppliers on an emergency basis.~~ [21 CFR § 111.75(a2iiA), ~~(b), (c), (d), (e)~~]

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4.5 Operation

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~~4.5.30~~ A ~~planned deviation process~~ **Procedures** shall be established **that includes handling of both planned deviations and unanticipated occurrences.** ~~to expedite the approval of raw materials, packaging materials, and other component suppliers as necessary on an emergency basis.~~ [21 CFR 111.75(b2), 21CFR 111.113(a2) (a3), 21CFR140(b3i) (b3ii)] (b3iv)]

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Tracking number 455-2i47r1
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Revision for 455-2i47r1

Revision to NSF/ANSI 455-2-2021
Issue 47 Revision 1 (September 2022)

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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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4.2 Leadership

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4.2.3 QC responsibilities for laboratory operations shall be defined and include approval of laboratory controls, assurance all tests and examinations are conducted and approval of test results. [21CFR111.110] ~~test methods and examinations used to test each specification requirement shall be defined, shall be appropriate for their intended use and shall be followed. Test methods and examinations shall be used according to established criteria. [21CFR111.320]~~

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4.4 Support

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4.4.44 ~~QC operations shall maintain appropriate records as required.~~ Appropriate records shall be maintained for laboratory operations [21 CFR § 111.325]

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4.6 Performance evaluation

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4.6.12 QC laboratory operations and procedures shall be established.[~~21CFR111.110 &~~ 21CFR111.303]

4.6.13 Test methods and examinations shall be identified, ~~Scientifically valid and verified as appropriate for their intended use. Test methods and examinations shall be used and~~ include at least one of the following: [21CFR111.75(h) and 21CFR111.320]

- gross organoleptic analysis;
- macroscopic analysis;
- microscopic analysis;
- chemical analysis; or

Tracking number 455-2i47r1

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- another scientifically valid method.

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Tracking number 455-2i48r1
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Revision for 455-2i48r1

Revision to NSF/ANSI 455-2-2021
Issue 48 Revision 1 (September 2022)

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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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4.5.31 The water supply and delivery system shall be safe and sanitary. Water that may contact a product contact surface or is a component shall meet ~~US~~ federal, state, and local requirements for drinking water. [21 CFR § 111.15(e), ~~(f3)~~, & 21 CFR § 117.37(a)]

4.5.32 Water sources shall not act as a potential source of contamination of the dietary supplement, either due to water purity or due to the configuration and construction of the water delivery system. [21 CFR § 111.15(f3)]

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NSF/ANSI Standard
for GMP for Cosmetics –

Good Manufacturing Practices for Cosmetics

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5 Audit process

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5.7.1 Company provides a corrective action plan for all findings

The company ~~is responsible for generating~~ shall submit a corrective action plan ~~to address any~~ with implementation dates for each nonconformances within ten (10) business days of receipt the final audit report. If the Company requires additional time to ~~complete~~ submit the plan, the company shall request additional time of with the CB. ~~For each nonconformance, the applicant / auditee shall submit a corrective action plan together with timing for completion.~~ Company may be required to submit objective evidence of completion for approved corrective action plans per section 5.7.3.

5.7.2 CB reviews the corrective action plan to ensure planned corrective actions are sufficient.

The CB reviews the corrective action plan within ~~ten~~ (10) business days of receipt to ensure planned corrective actions are sufficient. The proposed plan is reviewed by the technical reviewer and auditor, as applicable, for appropriateness. Each ~~line-item~~ plan is independently reviewed and either approved, rejected, or additional information is requested. The submission of a corrective action plan does not change the grade assigned by the CB during this audit cycle. ~~Feedback on the corrective action plan shall be provided to the company.~~

5.7.3 CB determines next steps

CB determines next steps based on the grade as described below:

— a site with a grade of A and zero nonconformances is eligible for certification;

— a site with a grade of A with only minor nonconformances ~~shall submit a corrective action plan for all nonconformances. Once the plan is approved by the CB, the site is eligible for certification once all corrective action plans are approved. The site shall correct the minor nonconformances prior to the next certification audit.~~ The effectiveness of the corrective actions is reviewed at the next certification audit;

— a site with a grade of B with only minor nonconformances is eligible for certification once all corrective action plans are approved. ~~shall submit a corrective action plan for all nonconformances. Corrective action against major nonconformances shall be closed with objective evidence to demonstrate the~~

Tracking number 455-3i31r1
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Revision to NSF/ANSI 455-3-2021
Issue 31 Revision 1 (September 2022)

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~~corrective action is in place and effective, before consideration for certification. A site with only minor nonconformances shall be considered for certification upon acceptance of the corrective action plan by the CB~~ The effectiveness of the corrective actions is reviewed at the next certification audit;

— a site with a grade of B with major nonconformance is eligible for certification once corrective action plans for all nonconformances are approved and objective evidence demonstrating corrective actions for major nonconformances are implemented and have been approved. The effectiveness of the corrective actions is reviewed at the next certification audit;

~~— a site with a grade of C submit a corrective action plan for all nonconformances. A monitoring audit is required for grade of C. For a company who receives a grade of C in their initial certification audit for an initial certification audit is eligible for certification once corrective action plans for all nonconformances are approved and corrective action against major nonconformances shall be closed at the monitoring audit with objective evidence to demonstrate the corrective action is demonstrated to be in place and effective at the monitoring audit. , before consideration for certification. A company who has already received certification from a previous certification audit who receives a grade of C, does not lose their certification but shall have a monitoring audit prior to their next certification audit to verify that they have closed their major nonconformances. In both cases, the site is to close the minor conformances prior to the next certification audit. A site with a recurring certification audit is eligible for recertification once corrective action plans for all nonconformances from the certification audit are approved. The completion and effectiveness of corrective actions against major nonconformances is reviewed at the monitoring audit. In both cases, the effectiveness of the corrective actions against minor nonconformances is reviewed at the monitoring audit or the next certification audit.~~

~~The CB shall determine and communicate any additional fees associated with a monitoring audit and related activities; and~~

~~— a site with a grade of D is not eligible for certification. A new certification audit is required. but before that can take place, the site shall submit a corrective action plan and show completion of the corrective actions.~~

Corrective action for nonconformances identified from the previous audit that are not in place and effective at the next certification audit are deemed as repeat nonconformances. The classification of repeat nonconformances identified from the previous audit will be reviewed, evaluated, reported, and may be escalated based on the risk and severity. Technical reviewer shall review client's submitted objective evidence to ensure the classification recommended will remain as initially issued during the audit or elevate the nonconformance. The CB shall require a monitoring audit for a grade of a C and may require a monitoring audit for a grade of an A or B.

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Tracking number 455-3i31r1
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Revision to NSF/ANSI 455-3-2021
Issue 31 Revision 1 (September 2022)

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

NSF/ANSI Standard
for Health Sciences –

Good Manufacturing Practices for Cosmetics

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4 Audit Requirements

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4.4 Support

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~~4.4.25~~ Laboratory and production measuring instruments shall be accurate and precise, calibrated where necessary, and maintained. There is a calibration and preventive maintenance (PM) program. [ISO 22716:2007 5.4]

~~4.4.26~~ Measuring instruments with out-of-calibration results are removed from service; the condition is investigated to determine if there is any impact to product quality with appropriate corrective action. [ISO 22716:2007 5.4.2, 5.4.3]

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4.5 Operations

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~~4.5.8~~ Equipment, instruments, utensils, contact surfaces, etc., are ~~maintained and~~ inspected at routine intervals for signs of wear, damage, etc. [ISO 22716:2007 5.6]

~~4.5.9~~ Procedures and program are established for maintaining equipment, instruments, utensils, contact surfaces. [ISO 22716:2007 5.6]

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~~4.5.41~~ Procedures and program shall be are established for calibration of equipment, laboratory and production measuring instruments that are important for the quality of the product. ~~maintaining and calibrating equipment to include online controls.~~ [ISO 22716:2007 5.4, 7.3.5]

Tracking number 455-3i36r1
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Revision to NSF/ANSI 455-3-2021
Issue 36, Revision 1 (September 2022)

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4.5.42 Equipment, laboratory and production measuring instruments with out-of-calibration results are identified and removed from service. The condition is investigated to determine if there is any impact to product quality and appropriate corrective action is taken. [ISO 22716:2007 5.4.2, 5.4.3]

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BSR/UL 758, Standard for Safety for Appliance Wiring Material

1. Revised AWG Diameter in the Other Limits Column in Table 5.3
2. Addition of a New Requirement for Annealed Copper Alloy Conductor, Revised Table 5.3

PROPOSAL

1. Revised AWG Diameter in the Other Limits Column in Table 5.3

RATIONALE

Proposal submitted by: Susan Stene, UL LLC

In order to maintain consistency in specifying conductor's size in the 'Other Limits' column, the AWG size is proposed to be revised to indicate the diameter of the conductor subject to the limits.

Note from the Project Manager: For brevity, only the affected portion of Table 5.3 is shown.

PROPOSALS

**Table 5.3
Conductor – metal specifications**

Conductor metal	ASTM reference for the metal	Temperature limit for the metal, °C (°F)	Other limits
Copper, uncoated, diameter of each strand or thickness of rectangular or tubular conductor less than 0.015 inch (0.38 mm)	ANSI/ASTM B 3	150 (302)	Uncoated conductor smaller than 0.003 inch (0.079 mm) meet the elongation requirements as defined for conductors with a diameter of 0.003 inch (0.079 mm) as shown in ASTM B 3
Copper, uncoated, diameter of each strand or thickness of rectangular or tubular conductor at least 0.015 inch (0.38 mm)	ANSI/ASTM B 3	200 (392)	Uncoated conductor smaller than 0.003 inch (0.079 mm) meet the elongation requirements <u>as defined for conductors with a diameter of 0.003 inch (0.079 mm) as for</u> 40 AWG conductors shown in ASTM B 3.
Copper, tin-coated, diameter of each strand or thickness of rectangular or tubular conductor less than 0.015 inch (0.38 mm)	ANSI/ASTM B 33	150 (302)	Tin-coated conductor smaller than 0.003 inch (0.079 mm) meet the elongation requirements <u>as defined for conductors with a diameter of 0.003 inch (0.079 mm) as for</u> 40 AWG conductors shown in ASTM B 33.
Copper, tin-coated, diameter of each strand or thickness of rectangular or tubular conductor at least 0.015 inch (0.38 mm)	ANSI/ASTM B 33	200 (392)	Tin-coated conductor smaller than 0.003 inch (0.079 mm) meet the elongation requirements <u>as defined for conductors with a diameter of 0.003 inch (0.079 mm) as for</u> 40 AWG conductors shown in ASTM B 33.

Conductor metal	ASTM reference for the metal	Temperature limit for the metal, °C (°F)	Other limits
Copper, bus bars, tin coated	ANSI/ASTM B 187	105 (221)	
Copper alloy, hard-drawn, diameter of each strand or thickness of rectangular or tubular conductor less than 0.015 inch (0.38 mm)	ANSI/ASTM B 105	150 (302)	May be uncoated or provided with a tin, or lead-base-alloy coating. Uncoated or tin-coated conductors smaller than 0.015 inch (0.38 mm) meet the tensile strength and elongation requirements <u>as defined for conductors with a diameter of for 0.015 inch (0.38 mm) as 20 AWG conductors shown in ASTM B 105.</u>
NOTE 1 – "Copper, tin coated" mentioned in this table refers to copper strands of a conductor that are coated with tin before they are twisted. "Copper metallurgically bonded via the addition of tin, " mentioned in this table refers to copper strands that are twisted and then coated with tin.			
a IACS – International Annealed Copper Standard			

2. Addition of a New Requirement for Annealed Copper Alloy Conductor, Revised Table 5.3

RATIONALE

Proposal submitted by: Yuji Koike, OKI Electric Cable Co. LTD.

This proposal is prepared to add a new requirement about annealed copper alloy conductor, i.e. to add annealed copper alloy material having 70 to 85 percent conductivities not covered in Table 5.3 of UL 758. Cables requiring these properties are installed in Factory Automation and industrial equipment applications. The cables are used on moving parts in robots and conveyer equipment, so that a resistance to repeated bending and twisting is required in addition to general electric and mechanical properties. Soft annealed copper alloy wire should be used for improving conductor strength and achieving higher endurance in these repeated flexing applications.

Drawing 1: An example of a cable tested (See Supporting Documentation).

Note from the Project Manager: For brevity, only the affected portion of Table 5.3 is shown.

PROPOSALS

**Table 5.3
Conductor – metal specifications**

Conductor metal	ASTM reference for the metal	Temperature limit for the metal, °C (°F)	Other limits
High strength copper alloy, annealed, diameter of each strand or thickness of rectangular or tubular conductor less than 0.015 inch (0.38 mm)	ANSI/ASTM B 624	150 (302)	May be uncoated or provided with a tin or lead based alloy coating. <u>Copper alloy employing 0.05 - 0.127 mm (1.969 – 5.0 mils) may be minimum 70 percent IACS and meets the same requirements as conductors</u>

Conductor metal	ASTM reference for the metal	Temperature limit for the metal, °C (°F)	Other limits
High strength copper alloy, annealed, diameter of each strand or thickness of rectangular or tubular conductor at least 0.015 inch (0.38 mm)	ANSI/ASTM B 624	200 (392)	<p>meeting ASTM B624 except that the minimum tensile strength shall not be less than 294 MPa.</p> <p>May be uncoated or provided with a tin, or lead based alloy coating</p>
<p>NOTE 1 – "Copper, tin coated" mentioned in this table refers to copper strands of a conductor that are coated with tin before they are twisted. "Copper metallurgically bonded via the addition of tin, " mentioned in this table refers to copper strands that are twisted and then coated with tin.</p> <p>^a IACS – International Annealed Copper Standard</p>			

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BSR/UL 943, Standard for Safety for Ground-Fault Circuit-Interruption

1. Corresponding proposal for the formal interpretation decision dated May 26, 2020 - Indication of Supervisory Test Function

PROPOSAL

5.15 Supervisory circuit

5.15.4 The results of the test shall be made known by means of an audible or visual indication. ~~Where the GFCI visually indicates, an indication shall be made clearly visible for both PASS and FAIL results. The visual indication shall include either a physical movement or a light indication that is readily viewed without the use of tools when operating the supervisory test function. For visual indication that involves only physical movement, it is not permitted for there to be no physical movement in response to the operation of the supervisory test function. A ground fault circuit interrupter that is incapable of supplying power to the load terminals or repeatedly trips on reset is not required to supply an audible or visual indication.~~

8.2.9 The instructions mentioned in 8.2.7 shall include a description of the indication given during the normal operation of the supervisory circuit. ~~See 5.15.4.~~

Note from the project manager: 6.31.2 not revised but included to facilitate review

6.31.2 In order to determine compliance with the provisions of Clause [5.16](#), separate samples shall be modified to represent those single component failure modes that can cause the GFCI to become unable to respond to a ground fault per this standard. Welded power contacts need not be considered. Except as noted in [6.31.3](#), each sample shall be altered with a single modification that represents either an open or a shorted component (unless otherwise specified) as described in [6.31.2](#) (a) - (g) below.

- a) Open circuit or short circuit the ground fault sensing component (transformer);
- b) Alter the integrated circuit responsible for the ground fault detection by one of the following modifications selected by the manufacturer and agreeable to all parties concerned:
 - 1) Disconnect the power supply pin of the IC;
 - 2) Disable the "clock" circuit;
 - 3) Open the signal path at the subject IC pin;
 - 4) Short the signal path pin to one of the adjacent pins one at a time.
- c) Open circuit the current limiter (for example, dropping resistor) of the power supply of the ground fault detection circuit.
- d) Open-circuit the trip solenoid. See [6.31.8](#).
- e) Open the switching semiconductor supplying the trip solenoid. See [6.31.8](#).
- f) Short circuit the switching semiconductor supplying the trip solenoid.
- g) Open circuit or short circuit a single rectifier diode in the ground fault detection power supply circuit. Short circuit a single diode in the case of a bridge rectifier package.

6.31.8 As an alternative to meeting the requirements described in [6.31.5](#) - [6.31.6](#), failure modes in [6.31.2](#) that reference [6.31.8](#) may comply with the requirements listed below. A representative GFCI, having been subjected to a failure mode simulation, shall be correctly connected to rated line voltage and allowed to stabilize. The manually operated supervisory test function shall be performed, after which the reset button shall be operated. Each representative GFCI shall be considered as meeting the requirements of Clause [6.31.1](#) if one of the following conditions is met:

- a) The GFCI visually or audibly indicates if it does not interrupt the electric circuit to all loads. Where the GFCI visually indicates, the visual indication shall include either a physical movement or a light indication that is readily viewed without the use of tools when operating the supervisory

test function. For visual indication that involves only physical movement, it is not permitted for there to be no physical movement in response to the operation of the supervisory test function; or

- b) The GFCI interrupts the electric circuit to all loads or does not permit power to be applied to any loads, each time the reset is operated when reset is attempted.

8. Revision of Requirements to Allow Remote ON and OFF switching of GFCIs

3.19A REMOTE CONTROL – Denotes the use of a GFCI for switching purposes, to be actuated (on or off) from a location not at the GFCI. This does not anticipate for resetting when tripped in accordance with the provisions of 6.7.1.1 – 6.7.2.2 act of a ground-fault circuit interrupter to be remotely controlled such as by use of a mobile application.

5.14.8 A GFCI with ~~remote control circuitry~~ or an electronic mechanism to comply with 5.14.2 to allow for remote control shall be evaluated to the following as applicable:

- a) If a programmable circuit has a component such as a microprocessor, that portion of the device shall be investigated in accordance with the requirements of Annex A, Ref. No. 15.
- b) Failure-Mode and Effect Analysis (FMEA) simulation, where a single component failure of the electronic interlock circuit shall not result in loss of protective control to comply with 5.14.2.
- c) Same device subject to 6.14 with interrupting contacts responsible for both GFCI trip and remote ON and OFF function shall be subject to an additional 3000 cycles via remote ON and OFF function. For devices with separate GFCI trip, the interrupting contacts responsible for Remote ON and OFF function shall be subject to 6000 cycles to 6.14 via remote ON and OFF function. See 6.32.
- d) When agreed upon by all concerned parties, a GFCI with a mechanical interlock prohibiting remote-control function per 5.14.2 is exempt from 5.14.8 a) and 5.14.8 b) but shall meet the requirements in 5.14.8 c).

5.14.9 Restoration of the remote-control function is prohibited after the GFCI has interrupted in accordance with 5.14.2. In addition to 5.14.3 or 5.14.4, restoration of remote-control function requires local manual RESET of the tripped GFCI.

~~6.32 Remote control function~~

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~~6.32.1 A GFCI with remote control switching shall be evaluated to the applicable standard for intended load use:~~

- a) Annex A, Ref. No. 16;
- b) Annex A, Ref. No. 17;
- c) Annex A, Ref. No. 18;
- d) Annex A, Ref. No. 12; or
- e) Annex A, Ref. No. 19.

7.2.8 The A remote-control function of a GFCI shall be marked and identified on the smallest package and instructions sheet. The device shall be permanently marked with the word "CONTROLLED" on the device where visible after installation.

Annex A (Normative)

Reference Standards

A1 Reference Standards

A1.1 These Standards shall be considered to refer to the latest edition and all amendments published to that edition.

Ref. No.	Component Type	UL	CSA	ANCE
16	Attachment Plugs and Receptacles	UL 498B, Attachment Plugs and Receptacles		a
17	Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit-Breaker Enclosures	UL 489, Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit-Breaker Enclosures	C22.2 No. 5, Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit-Breaker Enclosures	a
18	Low-Voltage Switchgear and Controlgear	UL 60947-4-1, Low-Voltage Switchgear and Controlgear—Part 4-1: Contactors and Motor-Starters—Electromechanical Contactors and Motor-Starters	CAN/CSA C22.2 No. 60947-4-1, Low-Voltage Switchgear and Controlgear—Part 4-1: Contactors and Motor-Starters—Electromechanical Contactors and Motor-Starters	a
19	Energy Management Equipment	UL 916, Energy Management Equipment		a

^aTo address Mexico's certification needs, UL and CSA component requirements will be duplicated in an Annex that appears only in Mexico's version of this Standard.

12. Open Neutral Protection – Extra Low Resistance Ground Fault Test and Short Circuit Test

6.18 Extra-low-resistance ground faults test

6.18.2 In order to determine compliance with the provisions of [6.18.1](#), the supply circuit is to have an open-circuit voltage in the range of 100 - 105 percent of the rating of the ground-fault circuit-interrupter. The impedance of the supply is to be such as to provide a prospective current (the current that would result from short-circuiting the supply terminals) shown in [6.18.3](#), [6.18.4](#) or [6.18.5](#). The 1-A fuse shall not operate to open the circuit, and there shall be no flaming of the cotton.

6.18.9 For a portable ground-fault circuit interrupter including GFCIs that employ interrupting contacts that meet 6.7.2.1 (c) and/or (e), where the prospective current that is to be initiated by means of a switch in the supply circuit, a contactor with a rated voltage, 100A, and a short circuit current rating (SCCR) equal or greater than prospective current in clause 6.18.4 is to be placed in series in the middle of the fault wire. With the supply circuit ON, the GFCI interrupting contact closed by “reset” by means of control, the external shorting contactor is to be remotely closed to introduce the prospective fault current. ~~The 1-A fuse shall not operate to open the circuit, and there shall be no flaming of the cotton, both mentioned in [6.18.6](#).~~

6.19 Short circuit test

6.19.4 For a portable ground-fault circuit interrupter including GFCIs that employ interrupting contacts that meet 6.7.2.1 (c) and/or (e), where the prospective current that is to be initiated by means of a switch in the supply circuit, a contactor with a rated voltage, 100A, and a short circuit current rating (SCCR) equal or greater than prospective current in clause 6.18.4 is to be placed in series in the middle of the shorting wire. With the supply circuit ON, the GFCI interrupting contact closed by “reset” by means of control, the external shorting contactor is to be remotely closed to introduce the prospective fault current. ~~The 1-A~~

fuse shall not operate to open the circuit, and there shall be no flaming of the cotton, both mentioned in [6.18.6](#).

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BSR/UL 1660, Standard for Safety for Liquid-Tight Flexible Nonmetallic Conduit

1. Withdrawal of Proposal: Marking requirements for suitability for use in swimming pool corrosive environments

PROPOSAL

If the 2021-11-05 proposal is withdrawn, the current requirements in the standard would remain unchanged as shown below:

6.2 Package

6.2.1 The following information shall be legibly marked on a tag or adhesive label affixed to the reel or carton or printed or stenciled directly on the reel or carton.

- a) All of the information required in 6.1.3.
- b) The date of manufacture, or the dating period of manufacture. The dating period shall not exceed any three consecutive calendar months. The date or dating period may be abbreviated or coded.
- c) "Equipment grounding/bonding conductor required" or equivalent wording.
- d) For Type LFNC-A conduit, "Use fittings identified specifically for Type LFNC-A conduit" or equivalent wording.
- e) For Type LFNC-B conduit, "Use fittings identified for Type LFNC-B conduit" or equivalent wording.
- f) For Type LFNC-C conduit, "Use with _____ fittings only" where the fitting manufacturer's name or trademark is inserted in the blank space.
- g) For Type LFNC-B conduit spliced to make longer lengths, "Cut out the splices before use" or equivalent wording.

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BSR/UL 1998, Standard for Safety for Software in Programmable Components

1. Removal of limitation to non-networked software

PROPOSAL

1.1 These requirements apply to non-networked embedded software residing in programmable components performing safety-related functions whose failure is capable of resulting in a risk of fire, electric shock, ~~or~~ injury to persons ~~or damage to equipment~~.

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