

CONTENTS

American National Standards

Project Initiation Notification System (PINS)	2
Call for Comment on Standards Proposals	10
Final Actions - (Approved ANS)	24
Call for Members (ANS Consensus Bodies)	26
American National Standards (ANS) Process	29
Accreditation Announcements (Standards Developers)	30
ANS Under Continuous Maintenance	33
ANSI-Accredited Standards Developer Contacts	34

International Standards

ISO and IEC Draft Standards	36
ISO and IEC Newly Published Standards	40
International Organization for Standardization (ISO)	43

Information Concerning

Registration of Organization Names in the United States	45
Proposed Foreign Government Regulations	46

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.

ADA (Organization) (American Dental Association)

Paul Bralower <bralowerp@ada.org> | 211 East Chicago Avenue | Chicago, IL 60611-2678 www.ada.org

National Adoption

BSR/ADA Standard No. 105-202x, Dentistry - Elastomeric Auxiliaries for Use in Orthodontics (national adoption of ISO 21606:2022 with modifications and revision of ANSI/ADA Standard No. 105-2021)

Stakeholders: Dentists, manufacturers

Project Need: The prior edition was an adoption of ISO 21606:2007. A revision is needed to update the ANSI/AD standard to conform with the current standard, ISO 21606:2022.

Interest Categories: Consumer, General Interest, Producer

This document specifies the requirements and their test methods applicable to all elastomeric auxiliaries used for orthodontics both inside and outside the mouth, in conjunction with fixed and removable appliances.

ADA (Organization) (American Dental Association)

Paul Bralower <bralowerp@ada.org> | 211 East Chicago Avenue | Chicago, IL 60611-2678 www.ada.org

National Adoption

BSR/ADA Standard No. 214-202x, Dentistry - Designation System for Supernumerary Teeth (national adoption with modifications of ISO 10394:2023)

Stakeholders: Dentists, software manufacturers

Project Need: The United States' adoption of ISO 10394:2023 Dentistry — Designation system for supernumerary teeth will continue the US efforts towards compatibility in global information management exchange. Furthermore, the envisioned integration of the Universal Numbering System's method for numbering supernumerary teeth will not only elevate the Universal Numbering System to an ADA/ANSI standard but also synchronize the methodologies of both systems, and standardize a comprehensive cross-coding table.

Interest Categories: Consumer, General Interest, Producer

This document establishes comprehensive methodology for designating supernumerary teeth in humans, as well encompassing a cross-coding system that combines the ISO 10394 two alphanumeric characters system with the Universal Numbering System's two numerical characters system.

ADA (Organization) (American Dental Association)

Paul Bralower <bralowerp@ada.org> | 211 East Chicago Avenue | Chicago, IL 60611-2678 www.ada.org

National Adoption

BSR/ADA Standard No. 3950-202x, Dentistry - Designation System for Teeth and Areas of the Oral Cavity (national adoption of ISO 3950:2016 with modifications and revision of ANSI/ADA Standard No. 3950-2015)

Stakeholders: Dentists, software manufacturers

Project Need: The ADA has nationally adopted ISO 3950 and intend to adopt the revised international standard to maintain conformance with the current standard. Furthermore, the envisioned integration of the Universal Numbering System's method for numbering teeth will not only elevate the Universal Numbering System to an ADA/ANSI standard but also synchronize the methodologies of both systems and standardize a comprehensive cross-coding table.

Interest Categories: Consumer, General Interest, Producer

This standard provides a system for designating teeth or areas of the oral cavity using two digits.

ADA (Organization) (American Dental Association)

Paul Bralower <bralowerp@ada.org> | 211 East Chicago Avenue | Chicago, IL 60611-2678 www.ada.org

National Adoption

BSR/ADA Standard No. 47-2-202x, Stationary Dental Units and Patient Chairs - Part 2: Air, Water, Suction and Wastewater Systems (national adoption of ISO 7494-2:2022 with modifications and revision of ANSI/ADA Standard No. 47-2-2021)

Stakeholders: Dentists, manufacturers

Project Need: This revision is needed in order to harmonize ANSI/ADA Standard 47-2 with the latest edition of ISO 7494-2 to the extent possible.

Interest Categories: Consumer, General Interest, Producer

This standard specifies requirements for air, water, suction, and wastewater systems in stationary dental units.

ADA (Organization) (American Dental Association)

Paul Bralower <bralowerp@ada.org> | 211 East Chicago Avenue | Chicago, IL 60611-2678 www.ada.org

National Adoption

BSR/ADA Standard No. 88-202x, Dentistry - Brazing Materials (identical national adoption of ISO 9333:2022 and revision of ANSI/ADA Standard No. 88-2019)

Stakeholders: Dentists, manufacturers

Project Need: ANSI/ADA 88:2022, Dental Brazing Alloys, is an identical adoption of ISO 9333:2006. The U.S. TAG participated in the development of ISO 9333:2022, which is now being nationally adopted.

Interest Categories: Consumer, General Interest, Producer

This standard specifies requirements and test methods for dental brazing materials suitable for use in metallic restorations. Brazing materials with silver as the main component are excluded from this document.

ASC X9 (Accredited Standards Committee X9, Incorporated)

Ambria Calloway <Ambria.Calloway@X9.org> | 275 West Street, Suite 107 | Annapolis, MD 21401 www.x9.org

National Adoption

BSR X9.105/ISO 8583-202x, Financial Transaction Card Originated Messages — Interchange Message Specifications (identical national adoption of ISO 8583:2023 and revision of ANSI X9.105-1-2009 (R2019) and ANSI X9.105-3-2009 (R2019))

Stakeholders: Financial services industry

Project Need: This standard is need to specify a common interface by which financial transaction card-originated messages can be interchanged between acquirers and card issuers.

Interest Categories: Consumer, General Interest, Producer

This document specifies a common interface by which financial-transaction-card-originated messages can be interchanged between acquirers and card issuers. It specifies message structure and format, including normalized data types. Message, field, value definitions and supporting information are provided by the ISO 8583 maintenance agency (MA). The method by which messages are transported or settlement takes place is not within the scope of this document.

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK86477-202x, New Test Method for Womens Lacrosse Stick Pocket Performance (new standard)

Stakeholders: Lacrosse Equipment Industry

Project Need: The purpose of the standard is to eliminate current technical material and aesthetic requirements for stick pockets and replace it with a performance standard.

Interest Categories: Interest Categories: Producer, User, General Interest

This is a standard test method to test for ball retention and ball velocity.

IEEE (Institute of Electrical and Electronics Engineers)

Suzanne Merten <s.merten@ieee.org> | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

New Standard

BSR/IEEE 741-202x, Standard for Criteria for the Protection of Class 1E Power Systems and Equipment in Nuclear Power Generating Stations (new standard)

Stakeholders: Nuclear industry utilities, engineering design firms, regulators, and consultants.

Project Need: Provide guidance addressing impacts of power quality on Class 1E systems and loads. Also, address previous ballot comments deferred for future consideration and align terminology with other applicable standards.

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

This standard provides the principal design criteria, design features, and testing requirements for the protection of Class 1E power systems and equipment supplied from those systems. It identifies special protection features that are needed where the requirements of nuclear power generating stations (NPGS) necessitate supplementing accepted industry practices.

IEEE (Institute of Electrical and Electronics Engineers)

Suzanne Merten <s.merten@ieee.org> | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

New Standard

BSR/IEEE 1268-202x, Guide for Safety in Installation and Operation of Mobile Substation Equipment (new standard)
Stakeholders: Electric utilities, portable substation equipment manufacturers.

Project Need: This revision will revise based on recent industry trends in installation practices and expand on items relating to operation.

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

This guide contains information on general topics and items pertaining to safety when installing and operating mobile substation equipment. The guide recognizes that mobile substation equipment varies widely. It is beyond the scope of this guide to provide specific step-by-step instructions for individual units.

IEEE (Institute of Electrical and Electronics Engineers)

Suzanne Merten <s.merten@ieee.org> | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

Revision

BSR/IEEE 1792-202x, Recommended Practice for Nuclear Power Generating Station Preferred Power Supply Reliability (revision of ANSI/IEEE 1792-2017)

Stakeholders: Nuclear industry (utilities; Architect/Engineering design firms; transmission entities, regulators and consultants)

Project Need: To consider ballot comments received during initial balloting of the existing document, consider current industry operating experience, update references, and bring the document to current IEEE format.

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

This recommended practice addresses activities related to Preferred Power Supply (PPS) reliability, including design considerations, analytical studies, operational and maintenance considerations, and Interface Agreements (IAs) between a Nuclear Power Generating Station (NPGS) and its associated Transmission Entities.

IEEE (Institute of Electrical and Electronics Engineers)

Suzanne Merten <s.merten@ieee.org> | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

New Standard

BSR/IEEE 2030.14-202x, Guide for Virtual Power Plant Functional Specification for Alternate and Multi-Source Generation (new standard)

Stakeholders: Stakeholders include VPP planners, developers, owners and operators, vendors, consultants, microgrid developers, electric power system operators, and regulators.

Project Need: There is a need to address, in the deployment of VPPs producing both electric power and heat, the management of both energy sources, the integration of new generation systems such as microreactors, and the integration of renewable energy resources and the associated electric energy storage. The guide addresses the required VPP structure and control system for the aggregation and the optimization of the operation of the mix of power generation and storage assets, and for the provision of grid and ancillary services. VPP developers, owners, operators, and grid operators will benefit from an integrated approach and the expanding role of VPPs.

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

This guide relates to virtual power plants (VPPs). This guide defines the VPP as an electric power plant capable of supplying electrical power to the electric grid & local loads. This document provides guidance for the development of a functional specification for a VPP. The VPP specification covers local energy management and grid interaction functions. The VPP incorporates local controllable & dispatchable power generation, such as combined heat & power (CHP) units & the newer microreactors (based on small modular reactor (SMR) technology). It may integrate local renewable energy resources (solar photovoltaics & wind generation), and electric energy storage (battery energy storage) & thermal storage systems. The guide discusses the implementation of VPPs & VPP control systems, addresses their basic functional requirements, & proposes a set of core functions for the control systems. These functions include generation production estimation & scheduling from all sources; local load estimation & management; the provision of grid services (energy, capacity) & ancillary services (voltage & frequency control/support) to the electric power system (EPS). Generic requirements for grid interconnection and integration, and for interoperability with other EPS systems are addressed. Islanded operation of a VPP feeding local loads and operating as a microgrid for enhancing energy supply security and resilience is discussed, within the context of existing IEEE Microgrid standards.

IEEE (Institute of Electrical and Electronics Engineers)

Suzanne Merten <s.merten@ieee.org> | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

New Standard

BSR/IEEE C37.81-202x, Guide for Seismic Qualification of Class 1E Metal-Enclosed Power Switchgear Assemblies (new standard)

Stakeholders: Users and Manufacturers of Class 1E switchgear assemblies, Seismic Test Laboratories, consultants

Project Need: This project will be a general revision which will also incorporate the relevant requirements of IEC/IEEE 60980-344.

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

This guide provides requirements and guidance for the seismic qualification of metal-enclosed power switchgear assemblies including switching, interrupting, control, instrumentation, metering, protective, and regulating devices mounted there in. This guide helps equipment manufacturers to establish procedures that yield data to substantiate performance or by equipment users to evaluate and verify performance of representative devices and assemblies as part of an overall qualification effort. In this guide, the word switchgear means metal-enclosed power switchgear assemblies with the requirements as defined in IEEE Std C37.20.1™, IEEE Std C37.20.2™, IEEE Std C37.20.3™. By definition, metal-enclosed power switchgear assemblies include metal-clad switchgear, metal-enclosed interrupter switchgear, and low-voltage power circuit breaker switchgear. This guide does not cover metal-enclosed bus or control switchboards.

IEEE (Institute of Electrical and Electronics Engineers)

Suzanne Merten <s.merten@ieee.org> | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

New Standard

BSR/IEEE C37.82-202x, Standard for the Qualification of Switchgear Assemblies for Class 1E Applications in Nuclear Power Generating Stations (new standard)

Stakeholders: Users and Manufacturers of Class 1E Switchgear assemblies, Qualification Test Laboratories, Consultants.

Project Need: This project will be a general revision which will also incorporate the relevant requirements of IEC/IEEE 60780-323

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

This document describes the methods and requirements for qualifying switchgear assemblies for indoor areas outside of the containment in nuclear power generating stations. These assemblies include the following: (a) Metal-enclosed low-voltage power circuit breaker switchgear assemblies, as defined in IEEE Std C37.20.1™; (b) Metal-clad switchgear assemblies, as defined in IEEE Std C37.20.2™; (c) Metal-enclosed bus, as defined in IEEE Std C37.23™; (d) Metal-enclosed interrupter switchgear assemblies (1 kV to 38 kV), as defined in IEEE Std C37.20.3™.

IEEE (Institute of Electrical and Electronics Engineers)

Suzanne Merten <s.merten@ieee.org> | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

New Standard

BSR/IEEE C37.122.5-202x, Guide for Moisture Measurement and Control in SF6 Gas-Insulated Equipment Rated above 1000 V (new standard)

Stakeholders: The stakeholders are the users and manufacturers of GIE, the servicing and engineering firms which specify or provide support as well as the manufacturers of moisture measuring and removal equipment and moisture control products

Project Need: The existing guide needs to be updated in view of current user requirements, recent investigations and research in moisture evacuation and available moisture measurement technologies, and where feasible, in alignment with international norms, standards and units, recognizing international practices outside North America.

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

This document establishes guidelines for moisture level measurement, moisture data interpretation, and moisture control in Sulphur Hexafluoride (SF6) gas-insulated equipment rated above 1000 V.

IEEE (Institute of Electrical and Electronics Engineers)

Suzanne Merten <s.merten@ieee.org> | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

New Standard

BSR/IEEE C37.122.6-202x, Recommended Practice for the Interface of New Gas-Insulated Equipment in Existing Gas-Insulated Substations Rated above 52 kV (new standard)

Stakeholders: Users and manufacturers of Gas-Insulated Substations (GIS) and Gas-Insulated Lines (GIL) rated above 52kV.

Project Need: The revision of the existing Recommended Practices will address the necessary practices to design and install an interface between the different GIS or GIL, taking into account the experiences and practices of users and manufacturers over the last years. Interfaces are sometimes considered as a barrier for the selection and development of GIS/GIL technology. This document shall address this issue and provides some practices for the benefit of users.

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

This document gives the recommended practices for designing and installing the interfaces between existing gas-insulated substation (GIS) equipment and new GIS equipment that is added at a later date and may be of different design and of different manufacturer. The recommended practices apply for GIS rated above 52 kV. They also include the interfaces between gas-insulated line (GIL) equipment and GIS equipment rated above 52 kV.

IEEE (Institute of Electrical and Electronics Engineers)

Suzanne Merten <s.merten@ieee.org> | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

Revision

BSR/IEEE C57.12.36-202x, Standard Requirements for Liquid-Immersed Distribution Substation Transformers (revision of ANSI/IEEE C57.12.36-2017)

Stakeholders: Stakeholders include the following end users: Utilities, Industrial, and Institutional organizations. OEM (original equipment manufacturers) are also stakeholders as this equipment is packaged with switchgear which is addressed in this standard.

Project Need: This document clarifies specific requirements for a class of transformers that has traditionally been handled within the Power Transformer Standard C57.12.10. The power transformer requirements dominated the standard and these requirements were not necessarily what either the users or manufacturers agreed to produce. The requirements defined in this standard combine some of the distribution requirements from C57.12.34 and some of the product standards from C57.12.10 giving the users and manufactures a consolidated location for all requirements. This revision addresses issues that were tabled during the original production of this standard as they were deemed additional information that could be added in a future update.

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

This standard covers certain electrical, dimensional, and mechanical characteristics of 50 Hz and 60 Hz, two winding, liquid-immersed distribution substation transformers. Such transformers may be remotely or integrally associated with either primary and secondary switchgear or substations, or both, for step-down or step-up purposes rated as follows: (a) 112.5 kVA through 10,000 kVA three-phase; (b) 250 kVA through 6667 kVA single-phase; (c) High-voltage 69,000 V and below, and low-voltage 34,500 V and below. It is not intended that this standard apply to dry-type, regulating, pad-mounted, secondary-network, furnace, rectifier, mobile, railway, or mine transformers.

SPRI (Single Ply Roofing Industry)

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

New Standard

BSR/SPRI/FM ADT-1-202x, Test Standard for Evaluation of Roofing Adhesive and Board Stock in Tensile Loading for Low Slope Roofing Systems (new standard)

Stakeholders: Roof system manufacturers, roofing component manufacturers (adhesives, board stock materials), Testing labs, accreditation bodies, certification services

Project Need: This standard provides a small-scale test method for comparing adhesive/substrate combinations and determining criticality. Knowledge of critical combinations can be used to reduce the scope of full-scale wind uplift testing.

Interest Categories: Producer Other Producer User General Interest

This standard provides requirements and procedures to determine failure loads for adhesive and board stock when tested for tensile resistance perpendicular to surface.

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: October 1, 2023

NSF (NSF International)

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

Revision

BSR/NSF 14-202x (i127r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2022)

The physical, performance, and health effects requirements in this standard apply to thermoplastic and thermoset plastic piping system components including, but not limited to, pipes, fittings, valves, joining materials, gaskets, and appurtenances.

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

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

NSF (NSF International)

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

Revision

BSR/NSF 14-202x (i135r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2022)

The physical, performance, and health effects requirements in this standard apply to thermoplastic and thermoset plastic piping system components including, but not limited to, pipes, fittings, valves, joining materials, gaskets, and appurtenances.

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

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

Comment Deadline: October 1, 2023

NSF (NSF International)

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

Revision

BSR/NSF 244-202x (i16r2), Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2022)

The point-of-use (POU) and point-of-entry (POE) systems addressed by this standard are designed to be used for the supplemental microbial control of specific organisms that may occasionally be present in drinking water (public or private) because of intermittent incursions.

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

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

NSF (NSF International)

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

Revision

BSR/NSF 245-202x (i37r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2022)

This standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities of 1,514 LPD (400 GPD) to 5,678 LPD (1,500 GPD) that are designed to provide reduction of nitrogen in residential wastewater.

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

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

ULSE (UL Standards & Engagement)

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

National Adoption

BSR/UL 61010-2-011-202x, Standard for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-011: Particular Requirements for Refrigerating Equipment (national adoption of IEC 61010-2-011 with modifications and revision of ANSI/UL 61010-2-011-2021)

(1) Revisions to add requirements for refrigeration systems over 150 g of flammable refrigerant and transcritical systems.

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

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

ULSE (UL Standards & Engagement)

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

National Adoption

BSR/UL 61010-2-012-202x, Standard for Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 2-012: Particular Requirements for Climatic and Environmental Testing and Other Temperature Conditioning Equipment (national adoption of IEC 61010-2-012 with modifications and revision of ANSI/UL 61010-2-012-2022)

(1) Revisions to add requirements for refrigeration systems over 150 g of flammable refrigerant.

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

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

Comment Deadline: October 1, 2023

ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | sabrina.khreibtov@ul.org, <https://ulse.org/>

Revision

BSR/UL 514A-202X, Standard for Safety for Metallic Outlet Boxes (revision of ANSI/UL 514A-2022)

(1) Installation instruction and torque values. (2) Addition of requirements for the use of electronic transmission of installation instructions. (3) Revision to Scope and Definition - Poke Through Floor Fitting.

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

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

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 746B-202x, Standard for Safety for Polymeric Materials - Long Term Property Evaluations (revision of ANSI/UL 746B-2022)

This proposal involves a revision of Table 13.2 to include End-pointless Materials.

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

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

ULSE (UL Standards & Engagement)

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

Revision

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

Conductor material clarification; Revised Table 5.3.

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

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

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 2225-202x, Standard for Safety for Cables and Cable-Fittings for Use in Hazardous (Classified) Locations (revision of ANSI/UL 2225-2022)

(1) Revisions to the proposal document dated June 30, 2023, per responses to comments received.

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

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

Comment Deadline: October 1, 2023

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709 | anna.roessing-zewe@ul.org, <https://ulse.org/>

Revision

BSR/UL 2368-202x, Standard for Fire Exposure Testing of Rigid Nonmetallic and Composite Nonmetallic Intermediate Bulk Containers for Combustible Liquids (revision of ANSI/UL 2368-2014 (R2018))

1.1 This standard includes fire test methods and associated requirements to investigate the ability of rigid nonmetallic or composite rigid nonmetallic intermediate bulk containers (IBCs) to contain combustible liquids when exposed to fire while protected with an automatic wet-pipe sprinkler system installed in accordance with the Flammable and Combustible Liquids Code, NFPA 30.

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

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

Comment Deadline: October 16, 2023

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB BPR 183-202x, Best Practice Recommendation for Limited Friction Ridge Examinations (new standard)

This document provides best practice recommendations for policies and procedures regarding how to conduct limited examinations of friction ridge impression evidence, and proper documentation for these examinations.

Limited exams are partial analyses, comparisons, and/or processing that do not fully utilize the capabilities of a Forensic Service Provider (FSP).

Single copy price: Free

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

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

Comment Deadline: October 16, 2023

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 013-202x, Standard for Friction Ridge Examination Conclusions (new standard)

This standard defines terms and establishes qualitative expressions for the range of conclusions that may be reached following friction ridge comparisons. For the purpose of this document, conclusions are defined as expert opinions based on the friction ridge detail and information under observation and interpreted using acquired knowledge, skill, and experience of a friction ridge examiner. This standard does not cover the following topics:

- Conclusions derived directly from and entirely dependent upon validated probability models or quantitative processes;
- The manner by which examiners arrive at their assessments of the strength or weight of the findings with respect to the source of the questioned impression;
- Suitability determinations rendered on a friction ridge impression;
- Documentation of conclusions; and
- How an agency or other Forensic Service Provider (FSP) will define or validate the criteria used for selecting source conclusions.

Single copy price: Free

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

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

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

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

New Standard

BSR/AHRI Standard 1210 (SI/I-P)-202x, Performance Rating of Variable Frequency Drives (new standard)

The purpose of this standard is to establish for variable frequency drives (VFDs): definitions; classifications; general test requirements; rating requirements; minimum data requirements for published ratings; marking and nameplate data; and conformance conditions. This standard applies to encased direct expansion vapor compression type Mechanical Transport Refrigeration Units with the following components: Compressor, Air-cooled condenser, Refrigerant flow control(s), Forced-Circulation Air-Cooler, Base or frame, Prime Mover as described in the unit manufacturer's literature, Power Train (coupling, power take-off, transmission, V-belt drive, etc.) connecting the unit to the Prime Mover.

Single copy price: Free

Obtain an electronic copy from: <https://connect.ahrinet.org/standards-public-review/stdsunderpublicreview>

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

Comment Deadline: October 16, 2023

AMCI (AMC Institute)

107 South West Street, Suite 481, Alexandria, VA 22314 | tpigg@amcinstitute.org, www.amcinstitute.org

New Standard

BSR/AMCI A100.1-202x, Standard of Good Practices for the Association Management Company Industry (new standard)

The AMC Institute Standard establishes requirements that provide a measurement for practices that can be utilized by all sizes and types of Association Management Companies (AMCs) to enhance the performance of the AMC and their staff. The purpose of this Standard is two-fold: (1) to collectively enhance management practices across Association Management Companies (AMCs) and (2) to assist AMCs in the establishment of internal quality service systems.

Single copy price: Free

Obtain an electronic copy from: tpigg@amcinstitute.org

Send comments (copy psa@ansi.org) to: AMCI Accreditation and Standards Committee, emailed at accreditation@amcinstitute.org

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

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

Revision

BSR/ASHRAE Standard 41.10-202x, Standard Methods for Refrigerant Volumetric or Mass Flow Measurement Using Flowmeters (revision of ANSI/ASHRAE Standard 41.10-2020)

This revision of ANSI/ASHRAE Standard 41.10-2020 prescribes methods for refrigerant volumetric or mass flow rate measurement using flowmeters in laboratory and field applications. Each refrigerant mass flow rate is determined by subtracting the measured lubricant mass flow rate from the measured refrigerant/lubricant mixture mass flow rate.

Single copy price: \$35.00

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

Send comments (copy psa@ansi.org) to: <http://www.ashrae.org/standards-research-technology/public-review-drafts>

ASNT (American Society for Nondestructive Testing)

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

Revision

BSR/ASNT CP-105-202x, Topical Outlines for Qualification of Nondestructive Testing Personnel (revision of ANSI/ASNT CP-105-2020)

This standard applies to personnel whose specific tasks or jobs require appropriate knowledge of the technical principles underlying nondestructive testing (NDT) methods for which they have responsibilities within the scope of their employment. These specific tasks or jobs include, but are not limited to, performing, specifying, reviewing, monitoring, supervising, and evaluating NDT work.

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

Obtain an electronic copy from: standards@asnt.org

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

Comment Deadline: October 16, 2023

ASNT (American Society for Nondestructive Testing)

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

Revision

BSR/ASNT CP-189-202x, ASNT Standard for Qualification and Certification of Nondestructive Testing Personnel (revision of ANSI/ASNT CP 189-2020)

This standard applies to personnel whose specific tasks or jobs require appropriate knowledge of the technical principles underlying nondestructive testing (NDT) methods for which they have responsibilities within the scope of their employment. These specific tasks or jobs include, but are not limited to, performing, specifying, reviewing, monitoring, supervising, and evaluating NDT work.

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

Obtain an electronic copy from: standards@asnt.org

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

AWWA (American Water Works Association)

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

Revision

BSR/AWWA C200-202x, Steel Water Pipe, 6 In. (150 mm) and Larger (revision of ANSI/AWWA C200-2017)

This standard describes electrically butt-joint-welded straight-seam or spiral-seam pipe and seamless pipe, 6 in. (150 mm) in nominal diameter and larger, for the transmission and distribution of potable, raw, and reclaimed water, or wastewater or for use in other water system facilities.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

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

AWWA (American Water Works Association)

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

Revision

BSR/AWWA C507-202x, Ball Valves, 4 In. Through 60 In. (100 mm Through 1,500 mm) (revision of ANSI/AWWA C507-2018)

This standard covers gray-iron, ductile-iron, and cast-steel flanged-end, low-leakage, shaft- or trunnion-mounted, full-port, and double- and single-seated ball valves.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

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

AWWA (American Water Works Association)

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

Revision

BSR/AWWA C600-202x, Installation of Ductile-Iron Mains and Their Appurtenances (revision of ANSI/AWWA C600-2017)

This standard describes installation procedures for ductile-iron mains and their appurtenances for potable water, wastewater, reclaimed water, and raw water.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

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

Comment Deadline: October 16, 2023

CPLSO

The Marchioness Building, Commercial Road, Bristol BS16TG, UK BS1 6TG | pratt.hugh@cplso.org

New Standard

BSR/CPLSO 20-202x, Effects of Charge on Human Beings and Livestock (new standard)

This standard describes the effects on the human body when a charge passes through it. This standard describes the effects of charge passing through the human body in the form of single and multiple successive discharges. A means of examining random complex irregular charges is given. The charge durations considered are from 1 μ s up to and including 100 ms such as may be found in disconnecting auto charging cables. This standard does not consider a charge induced within the body caused by its exposure to an external electromagnetic field. This basic safety publication is primarily intended for use by technical committees in the preparation of standards. It is not intended for use by manufacturers or certification bodies. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications. The requirements, test methods, or test conditions of this basic safety publication will not apply unless specifically referred to or included in the relevant publications.

Single copy price: \$350.00

Obtain an electronic copy from: pratt.hugh@cplso.org

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

CTA (Consumer Technology Association)

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

Revision

BSR/CTA 2089-A-202x, Definitions and Characteristics of Artificial Intelligence (revision of ANSI/CTA 2089-2020)

This standard defines terms related to artificial intelligence and associated technologies.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

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

Comment Deadline: October 16, 2023

HSI (Healthcare Standards Institute)

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

National Adoption

BSR/HSI/ISO 7101-202x, Healthcare organization management - Management systems for quality in healthcare organizations - Requirements (identical national adoption of ISO/FDIS 7101)

Healthcare organizations across the country have been facing significant threats for several years such as decreasing financial resources, workforce shortages, an increase in number of people needing care as a result of aging populations, increasing rates of chronic disease, lack of data for decision making, scarcity of, or inadequate, medical equipment and medications, and an absence of clear healthcare system governance. Many states and municipalities have embarked on a more universal approach for providing health coverage, while others struggle with rising healthcare costs. To compound this, a global pandemic has highlighted the importance of virtual healthcare, new technologies, and the need to create and adapt approaches to healthcare management and delivery. These health and organizational challenges require that we take bold steps to improve healthcare quality around throughout the country. This standard has been written with a focus on providing requirements for healthcare quality management systems. In as such, its targeted audience is broad, including any healthcare system, organization, or entity that aims to increase the quality of its healthcare delivery and care outcomes. This includes state and municipal health agencies, public and private health systems, hospitals, clinics, non-governmental organizations and agencies that provide healthcare services, and more.

Single copy price: \$250.00

Obtain an electronic copy from: lwebster@ingenesis.com

Send comments (copy psa@ansi.org) to: Lee Webster <lwebster@ingenesis.com>

HSI (Healthcare Standards Institute)

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

National Adoption

BSR/HSI/ISO 23447-202x, Healthcare organization management - Hand hygiene performance (identical national adoption of ISO/FDIS 23447)

Improving hand hygiene remains the most important measure to prevent the spread of infections in healthcare facilities, yet compliance with hand hygiene is nationally low. The goal of this document is to provide scientific knowledge, evidence-based implementation guidance for best practices to achieve targeted hand hygiene outcomes that can enhance patient safety. An essential practice in the prevention or control of the spread of infections in the healthcare environment is the effective and continuous act of hand hygiene. In healthcare facilities, hand hygiene is mainly performed via hand washing or hand rubbing at the points of care, with the purpose of protecting patients and healthcare workers alike from acquiring healthcare-associated infections (HAIs).

Single copy price: \$200.00

Obtain an electronic copy from: lwebster@ingenesis.com

Send comments (copy psa@ansi.org) to: Lee Webster <lwebster@ingenesis.com>

Comment Deadline: October 16, 2023

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

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

Revision

BSR/ASSE 1019-202x, Performance Requirements for Wall Hydrant with Backflow Protection and Freeze Resistance (revision of ANSI/ASSE 1019-2011 (R2016))

The purpose of Wall Hydrant with Backflow Protection and Freeze Resistance (herein referred to as the “device”) is to provide protection of the potable water supply from contamination due to backsiphonage or backpressure and to protect the hydrant from damage due to freezing.

Single copy price: Free

Obtain an electronic copy from: standards@iapmostandards.org

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

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

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

Revision

BSR/ASSE 1057-202x, Performance Requirements for Freeze Resistant Sanitary Yard Hydrants with Backflow Protection (revision of ANSI/ASSE 1057-2012)

This standard covers design and performance requirements for freeze resistant sanitary yard hydrants to prevent backflow due to backsiphonage and backpressure.

Single copy price: Free

Obtain an electronic copy from: standards@iapmostandards.org

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

IENT (Institute of Environmental Sciences and Technology)

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

National Adoption

BSR/IENT/ISO 14644-18-202x, Cleanrooms and associated controlled environments - Part 18: Assessment of suitability of consumables (identical national adoption of ISO 14644-18)

Consumables are widely used during preparation and operations in cleanrooms, clean zones or controlled zones to maintain the air or surface cleanliness level in the cleanroom by shielding a contamination source or a vulnerable object or by removing contamination from a surface. For monitoring and testing purposes, consumables can be used for sampling contamination. Consumables need to be carefully selected and appropriately used in order to maintain cleanliness levels and mitigate risk for processes and products. Consumables are used for a limited time only. They do not constitute a part of the final product. This document addresses the suitability assessment of consumables for use in cleanrooms, clean zones, or controlled zones in respect to contamination in air and on surfaces.

Single copy price: \$52.00 members/\$65.00 non-members

Obtain an electronic copy from: <https://www.iest.org/Standards-RPs/ISO-Standards/ISO-14644-Series/ISO-14644-18>

Send comments (copy psa@ansi.org) to: Jennifer Sklena, jsklena@iest.org

Comment Deadline: October 16, 2023

NEMA (National Electrical Manufacturers Association)

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

New Standard

BSR/NEMA IM 60003-202x, Electrical Insulating Varnish (new standard)

This Standards Publication, is intended to present in concise and convenient form all standards for electrical insulating varnishes. IM 60003 includes definitions, instructions, and methods for determining the mechanical, thermal, and electrical performance characteristics of electrical insulating varnishes and specifications.

Single copy price: \$120.00

Obtain an electronic copy from: communication@nema.org

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

NSF (NSF International)

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

Revision

BSR/NSF 42-202x (i124r3), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2022)

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.

Single copy price: Free

Obtain an electronic copy from: [https://standards.nsf.org/higherlogic/ws/public/document?](https://standards.nsf.org/higherlogic/ws/public/document?document_id=70275&wg_id=ffff1da9-fe57-4bf4-b211-018976f8ab5a)

[document_id=70275&wg_id=ffff1da9-fe57-4bf4-b211-018976f8ab5a](https://standards.nsf.org/higherlogic/ws/public/document?document_id=70275&wg_id=ffff1da9-fe57-4bf4-b211-018976f8ab5a)

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 (i149r3), Drinking Water Treatment Units - Health Affects (revision of ANSI/NSF 53-2022)

It is the purpose of this standard to establish minimum requirements for materials, design and construction, and performance of point-of-use and point-of-entry drinking water treatment systems that are designed to reduce specific health-related contaminants in public or private water supplies. Such systems include point-of-entry drinking water treatment systems used to treat all or part of the water at the inlet to a residential facility or a bottled water production facility, and includes the material and components used in these systems. This standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners, as well as the minimum service-related obligations that the manufacturer shall extend to system owners.

Single copy price: Free

Obtain an electronic copy from: [https://standards.nsf.org/higherlogic/ws/public/document?](https://standards.nsf.org/higherlogic/ws/public/document?document_id=70275&wg_id=ffff1da9-fe57-4bf4-b211-018976f8ab5a)

[document_id=70275&wg_id=ffff1da9-fe57-4bf4-b211-018976f8ab5a](https://standards.nsf.org/higherlogic/ws/public/document?document_id=70275&wg_id=ffff1da9-fe57-4bf4-b211-018976f8ab5a)

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

Comment Deadline: October 16, 2023

NSF (NSF International)

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

Revision

BSR/NSF 401-202x (i30r3), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2022)

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 reduce substances that are at very low, yet measurable concentrations, but not at definitive concentrations of known health concern.

Single copy price: Free

Obtain an electronic copy from: https://standards.nsf.org/higherlogic/ws/public/document?document_id=70275&wg_id=ffff1da9-fe57-4bf4-b211-018976f8ab5a

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

PLASTICS (Plastics Industry Association)

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

New Standard

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

The proposed requirements of this document apply to all machines equipped with one or more metal rolls upon which a plastic melt is cast for the purpose of heat transfer and can include flat film or embossed film applications. The primary objective of this document is to minimize hazards to personnel associated with machine activity by establishing requirements for the manufacture, care and use of flat cast film and cast-embossed film extrusion machines.

Single copy price: Free

Obtain an electronic copy from: jlinder@plasticsindustry.org

Send comments (copy psa@ansi.org) to: Jeff Linder <jlinder@plasticsindustry.org>

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 331A-202x, Standard for Safety for Strainers for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (revision of ANSI/UL 331A-2020)

The following is being proposed: New joint standard, UL/ULC 331A, Strainers for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85).

Single copy price: Free

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

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

Comment Deadline: October 16, 2023

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 331B-202x, Standard for Safety for Strainers for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 331B-2020)

The following is being proposed: New joint standard, UL/ULC 331B, Standard for Strainers for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil.

Single copy price: Free

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

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

Comment Deadline: October 31, 2023

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 2577-202x, Standard for Safety for Suspended Ceiling Power Grid Systems and Equipment (revision of ANSI/UL 2577-2017 (R2018))

These requirements cover suspended ceiling grid low voltage/extra-low voltage systems and equipment.

Single copy price: Free

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

Order from: <https://www.shopulstandards.com/>

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

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 8752-202x, Standard for Safety for Organic Light Emitting Diode (OLED) Panels (revision of ANSI/UL 8752-2012 (R2018))

These requirements apply to organic light emitting diode (OLED) panels intended for task, ambient, or aesthetic illumination, and for portable or permanent installation in accordance with the following standards, and for connection to isolated (non-utility connected) power sources such as generators, batteries, fuel cells, solar cells, and the like.

Single copy price: Free

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

Order from: <https://www.shopulstandards.com/>

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

Comment Deadline: October 31, 2023

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 8753-202x, Standard for Safety for Field-Replaceable Light Emitting Diode (LED) Light Engines (revision of ANSI/UL 8753-2013 (R2018))

These requirements are applicable to field replaceable light-emitting diode (LED) light engines rated up to 347 volts (nominal) and provided with integral lamp bases of other than the screw, bayonet, or pin type configurations typically found on incandescent or fluorescent light sources.

Single copy price: Free

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

Order from: <https://www.shopulstandards.com/>

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

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 8754-202x, Standard for Safety for Holders, Bases, and Connectors for Solid-State (LED) Light Engines and Arrays (revision of ANSI/UL 8754-2014 (R2018))

These requirements are applicable to holders, bases, and connectors intended for solid-state (LED) light engines and arrays for installation in lighting equipment, provided that they employ a configuration not typically found on incandescent or fluorescent light sources.

Single copy price: Free

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

Order from: <https://www.shopulstandards.com/>

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

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.

AAMI (Association for the Advancement of Medical Instrumentation)

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

ANSI/AAMI/ISO 11138-8-2023, Sterilization of health care products - Biological indicators - Part 8: Method for validation of a reduced incubation time for a biological indicator (identical national adoption of ISO 11138-8:2021)
Final Action Date: 8/24/2023 | *National Adoption*

ASME (American Society of Mechanical Engineers)

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

ANSI/ASME B31.12-2023, Hydrogen Piping and Pipelines (revision of ANSI/ASME B31.12-2019) Final Action Date: 8/24/2023 | *Revision*

AWWA (American Water Works Association)

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

ANSI/AWWA B511-2023, Potassium Hydroxide (revision of ANSI/AWWA B511-2017) Final Action Date: 8/24/2023 | *Revision*

ANSI/AWWA B550-2023, Calcium Chloride (revision of ANSI/AWWA B550-2017) Final Action Date: 8/24/2023 | *Revision*

CTA (Consumer Technology Association)

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

ANSI/CTA 2109-2023, Evidence Based Performance Criteria for Digital Therapeutics (new standard) Final Action Date: 8/24/2023 | *New Standard*

ANSI/CTA 2009-C-2023, Performance Specification for Public Alert Receivers (revision of ANSI/CTA 2009-B-2010 (R2021)) Final Action Date: 8/24/2023 | *Revision*

FM (FM Approvals)

1151 Boston-Providence Turnpike, Norwood, MA 02062 | josephine.mahnken@fmaprovals.com, www.fmglobal.com

ANSI/FM 3260-2023, Energy-Sensing Fire Detectors for Automatic Fire Alarm Signaling (revision of ANSI/FMRC FM 3260-2004 (R2014)) Final Action Date: 8/24/2023 | *Revision*

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 383-2008 [R2023], Information Technology - Biometric Profile - Interoperability and Data Interchange - Biometrics Based Verification and Identification of Transportation Workers (reaffirmation of INCITS 383-2008 [R2018])
Final Action Date: 8/24/2023 | *Reaffirmation*

INCITS 522-2014/AM 1-2018 [R2023], Information technology - ATA/ATAPI Command Set - 3 (ACS-3) - Amendment 1 (reaffirmation of INCITS 522-2014/AM 1-2018) Final Action Date: 8/24/2023 | *Reaffirmation*

NEMA (ASC C50) (National Electrical Manufacturers Association)

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

ANSI NEMA 61800-2-2023, Adjustable speed electrical power drive systems - Part 2: General requirements - Rating specifications for adjustable speed AC power drive systems (identical national adoption of IEC 61800-2:2021) Final Action Date: 8/23/2023 | *National Adoption*

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | Michael.Erbesfeld@nema.org, www.nema.org

ANSI C78.53-2019 (R2023), Electric Lamps, Performance Specifications for Direct Replacement LED (Light Emitting Diode) Lamps (reaffirmation of ANSI C78.53-2019) Final Action Date: 8/24/2023 | *Reaffirmation*

ANSI C78.54-2019 (R2023), Standard for Electric Lamps - Specification Sheet for Tubular Fluorescent Replacement and Retrofit LED Lamps (reaffirmation of ANSI C78.54-2019) Final Action Date: 8/24/2023 | *Reaffirmation*

ULSE (UL Standards & Engagement)

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

ANSI/UL 12402-6-2023, Standard for Personal Flotation Devices - Part 6: Special Purpose Lifejackets and Buoyancy Aids - Safety Requirements and Additional Test Methods (national adoption with modifications of ISO 12402-6) Final Action Date: 8/24/2023 | *National Adoption*

ANSI/UL 61215-1-2-2023, Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-2: Special Requirements for Testing of Thin-Film Cadmium Telluride (CdTe) Based Photovoltaic (PV) Modules (identical national adoption of IEC 61215-1-2 and revision of ANSI/UL 61215-1-2-2021) Final Action Date: 8/24/2023 | *National Adoption*

ANSI/UL 61215-1-4-2023, Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-4: Special Requirements for Testing of Thin-Film Cu(In,Ga)(S,Se)₂ Based Photovoltaic (PV) Modules (identical national adoption of IEC 61215-1-4 and revision of ANSI/UL 61215-1-4-2021) Final Action Date: 8/24/2023 | *National Adoption*

ANSI/UL 67-2023a, Standard for Safety for Panelboards (revision of ANSI/UL 67-2023) Final Action Date: 8/22/2023 | *Revision*

ANSI/UL 768-2023, Standard for Safety for Combination Locks (revision of ANSI/UL 768-2013 (R2018)) Final Action Date: 8/22/2023 | *Revision*

ANSI/UL 810-2023, Standard for Capacitors (revision of ANSI/UL 810-2019) Final Action Date: 8/22/2023 | *Revision*

ANSI/UL 1037-2023, Standard for Antitheft Alarms and Devices (revision of ANSI/UL 1037-2017) Final Action Date: 8/24/2023 | *Revision*

ANSI/UL 2034-2023, Standard for Single and Multiple Station Carbon Monoxide Alarms (revision of ANSI/UL 2034-2022) Final Action Date: 8/23/2023 | *Revision*

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

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

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

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

Membership in the INCITS Executive Board is open to all directly and materially interested parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at jgarner@itic.org or visit <http://www.incits.org/participation/membership-info> for more information.

Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following underrepresented categories:

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

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

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

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

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

ANSI Accredited Standards Developer

APCO - Association of Public-Safety Communications Officials-International

Call for Participation is open September 1, 2023 – October 1, 2023

The [Association of Public-Safety Communications Officials \(APCO\) International](#) has issued a call for participation for working group members to participate in the revision of APCO ANS Multi-Functional Multi-Discipline Computer Aided Dispatch (CAD) Minimum Functional Requirements. The revision and redesignation of this standard provides public safety agencies with tools to assist them in planning and preparing the Request for Proposal (RFP) accurately meeting the needs of their emergency communications center (ECC). APCO is seeking participants in the User, Producer and General Interest categories.

Call for Participation is open September 1, 2023 – October 1, 2023. Contact person is Mindy Adams at adamsm@apcointl.org or 469-424-7599.

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

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

BSR/AHRI Standard 1210 (SI/I-P)-202x, Performance Rating of Variable Frequency Drives (new standard)

AMCi (AMC Institute)

107 South West Street, Suite 481, Alexandria, VA 22314 | tpigg@amcinstitute.org, www.amcinstitute.org

BSR/AMCI A100.1-202x, Standard of Good Practices for the Association Management Company Industry (new standard)

ASNT (American Society for Nondestructive Testing)

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

BSR/ASNT CP-105-202x, Topical Outlines for Qualification of Nondestructive Testing Personnel (revision of ANSI/ASNT CP-105-2020)

ASNT (American Society for Nondestructive Testing)

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

BSR/ASNT CP-189-202x, ASNT Standard for Qualification and Certification of Nondestructive Testing Personnel (revision of ANSI/ASNT CP 189-2020)

CPLSO

The Marchioness Building, Commercial Road, Bristol BS16TG, UK BS1 6TG | pratt.hugh@cplso.org

BSR/CPLSO 20-202x, Effects of Charge on Human Beings and Livestock (new standard)

CTA (Consumer Technology Association)

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

BSR/CTA 2089-A-202x, Definitions and Characteristics of Artificial Intelligence (revision of ANSI/CTA 2089-2020)

NSF (NSF International)

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

BSR/NSF 14-202x (i127r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2022)

NSF (NSF International)

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

BSR/NSF 14-202x (i135r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2022)

NSF (NSF International)

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

BSR/NSF 42-202x (i124r3), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2022)

NSF (NSF International)

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

BSR/NSF 53-202x (i149r3), Drinking Water Treatment Units - Health Affects (revision of ANSI/NSF 53-2022)

NSF (NSF International)

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

BSR/NSF 244-202x (i16r2), Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2022)

NSF (NSF International)

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

BSR/NSF 245-202x (i37r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2022)

NSF (NSF International)

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

BSR/NSF 401-202x (i30r3), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2022)

TIA (Telecommunications Industry Association)

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

BSR/TIA 222-I-202x, Structural Standard for Antenna Supporting Structures, Antennas and Small Wind Turbine Support Structures (revision and redesignation of ANSI/TIA 222-H-2017)

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709 | anna.roessing-zewe@ul.org, <https://ulse.org/>

BSR/UL 2368-202x, Standard for Fire Exposure Testing of Rigid Nonmetallic and Composite Nonmetallic Intermediate Bulk Containers for Combustible Liquids (revision of ANSI/UL 2368-2014 (R2018))

American National Standards (ANS) Process

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

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

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

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

Accreditation Announcements (Standards Developers)

Public Review of Revised ASD Operating Procedures

IEEE - Institute of Electrical and Electronics Engineers

Comment Deadline: October 2, 2023

IEEE - Institute of Electrical and Electronics Engineers, an ANSI Accredited Standards Developer, has submitted revisions to its currently accredited IEEE-SA Standards Board Operations Manual and IEEE-SA Standards Board Bylaws for documenting consensus on IEEE-sponsored American National Standards, under which it was last reaccredited in 2022. The current compilation of revisions includes those previously announced for public review in the January 13, 2023 edition of Standards Action. 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: David Ringle, Institute of Electrical and Electronics Engineers (IEEE) | 445 Hoes Lane, Piscataway, NJ 08854-4141 | (732) 562-3806, d.ringle@ieee.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 IEEE by **October 2, 2023**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompo@ANSI.org)

Accreditation Announcements (Standards Developers)

Withdrawal of Accreditation – ASD

IS&T - The Society for Imaging Science & Technology

Effective August 14, 2023

The accreditation of **IS&T - The Society for Imaging Science & Technology** 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/IS&T IT10.7000-2015, Photography - Digital still cameras - Guidelines for reporting pixel-related specifications, (new standard)

ANSI/IS&T IT10.2000-2015, Photography - Digital still cameras - JPEG 2000 DSC profile, (stabilized maintenance of ANSI/IS&T IT10.2000-2015)

Discontinuance of standards proposals

BSR PH1.21-199x, Photography (Film)--Roll Film Sizes, 120 and 220--Dimensions, (revision of ANSI PH1.21-1991)

BSR/NAPM IT1.71-199x, Photography--Graphic Arts--Sheet Film for Use in Scanners and Imagesetters, (revision and redesignation of ANSI PH1.44-1990)

BSR/NAPM IT1.70-199x, Photography (Films & Papers) – Film and Paper Rolls for Imagesetting Devices – Dimensions and Specifications , (new standard)

BSR/NAPM IT1.81-199x, Photography (Photofinishing) --Communication Transport Layers, Protocol, and Formats for Data Exchange, (new standard)

BSR/NAPM IT3.302-199x, Same as P-ISO 2720/NAPM IT3.302 (Revision of ANSI PH3.49-1971), (revision of ANSI PH3.49-1971)

BSR/NAPM IT3.303-199x, Same as P-ISO 10157/NAPM IT3.303, (new standard)

BSR/PH4.104-1980, Specification for Photographic Grade Hydrochloric Acid, (reaffirmation of)

BSR/PH4.125-1982, Specification for Photographic Grade P-Methylaminophenol Sulfate, (reaffirmation of)

BSR/PH4.136-1981, Specification for Photographic Grade 1-phenyl-3-pyrazolidinone, (reaffirmation of)

BSR/PH4.152-1980, Photography (Chemicals) -- Formaldehyde, 37% Solution with Stabilizer, (reaffirmation of)

BSR/PH4.154-1981, Photographic (Chemicals) Aluminum Chloride Solution, (reaffirmation of)

BSR/PH4.156-1986, Photography (Chemicals) -- Sodium Formaldehyde Bisulfite, Anhydrous, (reaffirmation of)

BSR/PH4.175-1980, Photographic (Chemicals) -- Sodium Sulfate, Anhydrous, (reaffirmation of)

BSR/PH4.181-1980, Specification for Photographic Grade Benzyl Alcohol, (reaffirmation of)

BSR/PH4.183-1983, Photography (Chemicals) -- Ammonium Chloride, (reaffirmation of)

BSR/PH4.185-1987, Photography (Chemicals) -- Ethylenediaminetetraacetic Acid (EDTA) and its Salts, (reaffirmation of)

BSR/PH4.186-1986, Photography (Chemicals) -- Hydroxylamine Sulfate, (reaffirmation of)

BSR/PH4.200-1982, Specification for Photographic Grade Potassium Bromide, (reaffirmation of)

BSR/PH4.201-1981, Specification for Photographic Grade Potassium Iodide, (reaffirmation of)

BSR/PH4.207-1982, Specification for Photographic Grade Sodium Bromide, (reaffirmation of)

BSR/PH4.302-1986, Photography (Chemicals) -- Potassium Ferricyanide, (reaffirmation of)

BSR/PH4.303-1984, Photography (Chemicals) -- Potassium Persulfate, (reaffirmation of)

BSR PH2.46-199x, Photography – Industrial Radiographic Film – Determination of ISO Speed and Average Gradient When Exposed to X and Y Radiation, (identical national adoption of ISO 7004)

BSR/NAPM IT3.612-199x, Optics and Optical Instruments--Optical Transfer Function--Principles and Procedure Of Measurement, (revision and redesignation of ANSI PH3.57-1978(R1989))

BSR/ISO 12231-1997, BSR/PIMA IT10.1-1997, Photography - Electronic Still-Picture Cameras - Terminology, (identical national adoption of ISO/DIS 12231:1996)

BSR/IEC 1293:1994, BSR/NAPM IT7.109-1997, Audiovisual Systems - Marking of Electrical Equipment with Ratings Related to Electrical Supply - Safety Requirements, (identical national adoption of IEC 1293:1994)

BSR/PIMA IT1.75-1997, Photography - Sheets of Sensitized Material for the Prepress Industry - Dimensions and Related Requirements, (new standard)

Accreditation Announcements (Standards Developers)

BSR/PIMA IT1.74-1997, Photography - Rolls of Sensitized Material for the Prepress Industry - Dimensions and Related Requirements, (new standard)

American National Standards Under Continuous Maintenance

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

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

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

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

ANSI-Accredited Standards Developers (ASD) Contacts

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

AAFS

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

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AAMI

Association for the Advancement of
Medical Instrumentation
901 N. Glebe Road, Suite 300
Arlington, VA 22203
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ADA (Organization)

American Dental Association
211 East Chicago Avenue
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AHRI

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AMCI

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Thomas Pigg
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ASC X9

Accredited Standards Committee X9,
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ASHRAE

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and Air-Conditioning Engineers, Inc.
180 Technology Parkway
Peachtree Corners, GA 30092
www.ashrae.org

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ASME

American Society of Mechanical Engineers
Two Park Avenue, M/S 6-2B
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ASNT

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ASTM

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Laura Klineburger
accreditation@astm.org

AWWA

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

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CPLSO

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CTA

Consumer Technology Association
1919 South Eads Street
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Catrina Akers
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FM

FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062
www.fmglobal.com

Josephine Mahnken
josephine.mahnken@fmapprovals.com

HSI

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

Lee Webster
lwebster@ingenesis.com

IAPMO (ASSE Chapter)

ASSE International Chapter of IAPMO
18927 Hickory Creek Drive, Suite 220
Mokena, IL 60448
www.asse-plumbing.org

Terry Burger
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IEEE

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

Suzanne Merten
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IEST

Institute of Environmental Sciences and
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1827 Walden Office Square, Suite 400
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www.iest.org

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ITI (INCITS)

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NEMA

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NEMA (ASC C50)

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NSF

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PLASTICS

Plastics Industry Association
1425 K Street, NW, Suite 500
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SPRI

Single Ply Roofing Industry
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Linda King
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ULSE

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ISO & IEC Draft International Standards



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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

Air quality (TC 146)

ISO/DIS 5409, Stationary source emissions - Sampling and determination of mercury in flue gas using chemical absorption method - 11/11/2023, \$107.00

Aircraft and space vehicles (TC 20)

ISO/DIS 7661, Aerospace Fluid systems - Clamp blocks for tube lines having axial alignment - Design standard and qualification testing (Metric series) - 11/13/2023, \$58.00

ISO/DIS 18676, Space systems - Guidelines for the management of systems engineering - 11/11/2023, \$71.00

Biotechnology (TC 276)

ISO/DIS 24480, Biotechnology - Validation of database used for nucleotide sequence evaluation - 11/9/2023, \$82.00

ISO/DIS 8472-1, Biotechnology - Data interoperability for stem cell data - Part 1: Framework - 11/12/2023, \$71.00

Energy management and energy savings (TC 301)

ISO/DIS 50002-1, Energy audits - Requirements with guidance for use - Part 1: General requirements - 11/11/2023, \$98.00

ISO/DIS 50002-2, Energy audits - Requirements with guidance for use - Part 2: Buildings - 11/12/2023, \$67.00

ISO/DIS 50002-3, Energy audits - Requirements with guidance for use - Part 3: Processes - 11/12/2023, \$71.00

Environmental management (TC 207)

ISO/DIS 59014, Environmental management and circular economy - Sustainability and traceability of secondary materials recovery - Principles and requirements - 11/9/2023, \$93.00

Ergonomics (TC 159)

ISO/DIS 24505-2, Ergonomics - Accessible design - Method for creating colour combinations - Part 2: For people with colour deficiency and low vision - 11/11/2023, \$67.00

ISO/DIS 9241-112, Ergonomics of human-system interaction - Part 112: Principles for the presentation of information - 11/16/2023, \$82.00

Gears (TC 60)

IEC/DIS 61400-4,, \$155.00

Graphical symbols (TC 145)

ISO 7001:2023/DAMd 101, - Amendment 1: Graphical symbols - Registered public information symbols - Amendment 101: PI AC 023 Universal changing place - 11/9/2023, \$33.00

Industrial fans (TC 117)

ISO/DIS 13351, Fans - Dimensions - 11/9/2023, \$62.00

Metallic and other inorganic coatings (TC 107)

ISO/DIS 28721-2, Vitreous and porcelain enamels - Glass-lined apparatus for process plants - Part 2: Designation and specification of resistance to chemical attack and thermal shock - 11/10/2023, \$33.00

Mining (TC 82)

ISO/DIS 23725, Autonomous System and Fleet Management System Interoperability. - 11/12/2023, \$155.00

Nanotechnologies (TC 229)

ISO/DIS 4962, Nanotechnologies - In vitro acute nanoparticle phototoxicity assay - 11/13/2023, \$82.00

Petroleum products and lubricants (TC 28)

ISO/DIS 3987, Petroleum products - Determination of sulfated ash in lubricating oils and additives and fatty acid methyl esters - 11/9/2023, \$40.00

ISO/DIS 9200, Petroleum measurement systems - Metering of viscous and high temperature liquids - 11/13/2023, \$82.00

Plain bearings (TC 123)

ISO/DIS 8838, Plain bearings - Water-lubricated plain bearing materials - 11/13/2023, \$58.00

Ships and marine technology (TC 8)

ISO/DIS 13205, Marine technology - Seawater desalination - Terminology - 11/12/2023, \$71.00

Steel (TC 17)

ISO/DIS 4941, Steel and iron - Determination of molybdenum content - Thiocyanate spectrophotometric method - 11/9/2023, \$58.00

Sustainable development in communities (TC 268)

ISO/DIS 37153, Smart community infrastructures - Maturity model for assessment and improvement - 11/12/2023, \$102.00

ISO/DIS 37176, Smart community infrastructure - Responsiveness assessment and maturity model - 11/12/2023, \$71.00

(TC 321)

ISO/DIS 32120, Transaction assurance in E-commerce - Guidelines on sharing of goods quality assurance related traceability information in E-commerce supply chains - 11/13/2023, \$88.00

Textiles (TC 38)

ISO/DIS 12834, Textiles -Synthetic filament yarns-Determination of dynamic thermal draw-force of partially oriented yarns (POY) - 11/12/2023, \$53.00

Tobacco and tobacco products (TC 126)

ISO/DIS 8454, Cigarettes - Determination of carbon monoxide in the vapour phase of cigarette smoke - NDIR method - 11/13/2023, \$40.00

Traditional Chinese medicine (TC 249)

ISO/DIS 5076, Traditional Chinese Medicine - Angelica dahurica root - 11/9/2023, \$58.00

Transfusion, infusion and injection equipment for medical use (TC 76)

ISO/DIS 8417, Risk management of particulate contamination for devices with intravascular access - 11/12/2023, \$53.00

Transport information and control systems (TC 204)

ISO/DIS 21219-13, Intelligent transport systems - Traffic and travel information via transport protocol experts group, generation 2 (TPEG2) - Part 13: Public transport information service (TPEG2-PTS) - 11/9/2023, \$146.00

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

94/938/CDV, IEC 61810-7-36 ED1: Electrical relays - Tests and Measurements - Part 7-36: Fire hazard, 11/17/2023

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

100/3969/CDV, IEC 63455 ED1: Multimedia systems and equipment - Multimedia signal transmission - Dependable line code with error correction, 11/17/2023

100/4033/DTR, IEC TR 63447-1 ED1: Form factor of smart mobile device - Part 1: Impact on multimedia services, 10/20/2023

100/4030/DTR, IEC TR 63475 ED1: Universal Archival Disk Format (UADF), 10/20/2023

100/4032/DTR, IEC TR 63479-1 ED1: Infotainment Services for Public Vehicles (PVIS) - Part 1: General, 10/20/2023

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

46/945/FDIS, IEC 60966-3 ED4: Radio frequency and coaxial cable assemblies - Part 3: Sectional specification for semi-flexible coaxial cable assemblies, 10/06/2023

46C/1267/CD, IEC 61156-12 ED2: Multicore and symmetrical pair/quad cables for digital communications - Part 12: Symmetrical single pair cables with transmission characteristics up to 1,25 GHz - Work area wiring - Sectional specification, 11/17/2023

46C/1268/NP, PNW 46C-1268 ED1: Twinax cables for digital communications - Part 1-2: Time-domain impedance test method for twinax cables for digital communications, 11/17/2023

Capacitors and resistors for electronic equipment (TC 40)

40/3068/CDV, IEC 60384-8 ED5: Fixed capacitors for use in electronic equipment - Part 8: Sectional specification: Fixed capacitors of ceramic dielectric, Class 1, 11/17/2023

40/3069/CDV, IEC 60384-9 ED5: Fixed capacitors for use in electronic equipment - Part 9: Sectional specification: Fixed capacitors of ceramic dielectric, Class 2, 11/17/2023

Dependability (TC 56)

56/2000(F)/FDIS, IEC 62506 ED2: Methods for product accelerated testing, 09/15/2023

Electric cables (TC 20)

20/2126/FDIS, IEC 60811-201/AMD2 ED1: Amendment 2 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 201: General tests - Measurement of insulation thickness, 10/06/2023

20/2127/FDIS, IEC 60811-202/AMD2 ED1: Amendment 2 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 202: General tests - Measurement of thickness of non-metallic sheath, 10/06/2023

20/2128/FDIS, IEC 60811-501/AMD2 ED1: Amendment 2 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 501: Mechanical tests - Tests for determining the mechanical properties of insulating and sheathing compounds, 10/06/2023

20/2129/FDIS, IEC 60811-503/AMD1 ED1: Amendment 1 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 503: Mechanical tests - Shrinkage test for sheaths, 10/06/2023

20/2130/FDIS, IEC 60811-508/AMD2 ED1: Amendment 2 - Electric and optical fibre cables - Test methods for non-metallic materials - Part 508: Mechanical tests - Pressure test at high temperature for insulation and sheaths, 10/06/2023

Electrical equipment in medical practice (TC 62)

62D/2077/FDIS, IEC 60601-2-21/AMD1 ED3: Amendment 1 - Medical electrical equipment - Part 2-21: Particular requirements for the basic safety and essential performance of infant radiant warmers, 10/06/2023

Electrical installations of buildings (TC 64)

64/2632/CDV, IEC 60364-7-711 ED3: Low-voltage electrical installations - Part 7-711: Requirements for special installations or locations - Temporary electrical installations for exhibitions and entertainment related purposes, 11/17/2023

Electrical installations of ships and of mobile and fixed offshore units (TC 18)

18/1854/CD, IEC 60092-401 ED4: Electrical installations in ships - Part 401: Installation and test of completed installation, 11/17/2023

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

104/1020/CD, IEC 60068-2-1 ED7: Environmental testing - Part 2-1: Tests - Test A: Cold, 11/17/2023

104/1021/CD, IEC 60068-2-2 ED6: Environmental testing - Part 2-2: Tests - Test B: Dry heat, 11/17/2023

Fibre optics (TC 86)

86B/4775/CDV, IEC 61300-2-34 ED3: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-34: Tests - Resistance to solvents and contaminating fluids, 10/20/2023

86B/4780/CDV, IEC 61753-071-02/AMD1 ED2: Fibre optic interconnecting devices and passive components - Performance standard - Part 071-02: Non-connectorized single-mode fibre optic 1 - 2 and 2 - 2 spatial switches for category C - Controlled environments, 11/17/2023

Insulators (TC 36)

36/585(F)/FDIS, IEC 60437 ED3: Radio interference test on high-voltage insulators, 09/15/2023

Lamps and related equipment (TC 34)

34/1076/NP, PNW 34-1076 ED1: Germicidal UV luminaires - Radiation safety, 11/17/2023

Lightning protection (TC 81)

81/734(F)/FDIS, IEC 62561-4 ED3: Lightning protection system components (LPSC) - Part 4: Requirements for conductor fasteners, 09/15/2023

Measuring equipment for electromagnetic quantities (TC 85)

85/893/DTS, IEC TS 63191 ED1: Demand side power quality management, 10/20/2023

Methods for the Assessment of Electric, Magnetic and Electromagnetic Fields Associated with Human Exposure (TC 106)

106/612/CDV, IEC/IEEE 63184 ED1: Assessment Methods of the Human Exposure to Electric and Magnetic Fields from Wireless Power Transfer Systems - Models, Instrumentation, Measurement and Computational Methods and Procedures (Frequency Range of 3 kHz to 30 MHz), 11/17/2023

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

113/787/CD, IEC TS 62607-6-35 ED1: Nanomanufacturing - Key control characteristics - Part 6-35: Graphene - Density: free-pouring, tapping, compressing method, 11/17/2023

Performance of household electrical appliances (TC 59)

59K/376(F)/FDIS, IEC 60704-2-13 ED4: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-13: Particular requirements for cooking fume extractors, 09/15/2023

Power electronics (TC 22)

22H/311/NP, PNW 22H-311 ED1: Uninterruptible power systems (UPS) - Part 5-1: DC output UPS - Safety requirements, 11/17/2023

Semiconductor devices (TC 47)

47F/435/CDV, IEC 62047-48 ED1: Semiconductor devices - Micro-electromechanical devices - Part 48: Test method of determining solution concentration by optical absorption using MEMS fluidic device, 11/17/2023

Standard voltages, current ratings and frequencies (TC 8)

8A/130/DTR, IEC TR 63401-3 ED1: Dynamic characteristics of inverter-based resources in bulk power systems - Part 3: Fast frequency response and frequency ride-through from inverter-based resources during severe frequency disturbances, 10/20/2023

Surface mounting technology (TC 91)

91/1878/CDV, IEC 61188-6-3 ED1: Circuit boards and circuit board assemblies - Design and use - Part 6-3: Land pattern design - Description of land pattern for through hole components (THT), 11/17/2023

91/1898/FDIS, IEC 63251 ED1: Test method for mechanical property of flexible opto-electric circuit boards under thermal stress, 10/06/2023

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

121A/570/CD, IEC 60947-7-1/FRAG1 ED4: Fragment 1 - Low-voltage switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors, 10/20/2023

Wind turbine generator systems (TC 88)

88/980/NP, PNW PAS 88-980 ED1: Wind energy generation systems - Part 60: Validation of computational models, 11/17/2023

Winding wires (TC 55)

55/2003/CDV, IEC 60317-0-3 ED4: Specifications for particular types of winding wires - Part 0-3: General requirements - Enamelled round aluminium wire, 11/17/2023

55/1994A/CDV, IEC 60317-47/AMD1 ED2: Amendment 1 - Specifications for particular types of winding wires - Part 47: Aromatic polyimide enamelled rectangular copper wire, class 240, 11/03/2023



Newly Published ISO & IEC Standards

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

ISO Standards

Additive manufacturing (TC 261)

[ISO/ASTM 52902:2023](#), Additive manufacturing - Test artefacts - Geometric capability assessment of additive manufacturing systems, \$210.00

Agricultural food products (TC 34)

[ISO 937:2023](#), Meat and meat products - Determination of nitrogen content - Reference method, \$77.00

[ISO 1442:2023](#), Meat and meat products - Determination of moisture content - Reference method, \$77.00

Clean cookstoves and clean cooking solutions (TC 285)

[ISO 5714:2023](#), Clean cookstoves and clean cooking solutions - Test protocols for institutional cookstoves, \$116.00

Ergonomics (TC 159)

[ISO 9241-221:2023](#), Ergonomics of human-system interaction - Part 221: Human-centred design process assessment model, \$263.00

Fasteners (TC 2)

[ISO 4032:2023](#), Fasteners - Hexagon regular nuts (style 1), \$77.00

Gears (TC 60)

[ISO 10300-1:2023](#), Calculation of load capacity of bevel gears - Part 1: Introduction and general influence factors, \$237.00

[ISO 10300-2:2023](#), Calculation of load capacity of bevel gears - Part 2: Calculation of surface durability (macropitting), \$183.00

[ISO 10300-3:2023](#), Calculation of load capacity of bevel gears - Part 3: Calculation of tooth root strength, \$210.00

Geographic information/Geomatics (TC 211)

[ISO 19115-3:2023](#), Geographic information - Metadata - Part 3: XML schema implementation for fundamental concepts, \$263.00

Natural gas (TC 193)

[ISO 7055:2023](#), Natural gas - Upstream area - Determination of drag reduction in laboratory for slick water, \$51.00

Nuclear energy (TC 85)

[ISO 19238:2023](#), Radiological protection - Performance criteria for service laboratories performing biological dosimetry by cytogenetics - Dicentric assay, \$210.00

[ISO 22188:2023](#), Monitoring for inadvertent movement and illicit trafficking of radioactive material, \$157.00

Plastics (TC 61)

[ISO 5425:2023](#), Specifications for use of poly(lactic acid) based filament in additive manufacturing applications, \$77.00

[ISO 20200:2023](#), Plastics - Determination of the degree of disintegration of plastic materials under composting conditions in a laboratory-scale test, \$77.00

Road vehicles (TC 22)

[ISO 22574:2023](#), Road vehicles - Brake linings friction materials - Visual inspection, \$183.00

[ISO 19642-1:2023](#), Road vehicles - Automotive cables - Part 1: Vocabulary and design guidelines, \$183.00

[ISO 20766-5:2023](#), Road vehicles - Liquefied petroleum gas (LPG) fuel system components - Part 5: Fuel selection system and electrical installations, \$51.00

[ISO 12614-20:2023](#), Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 20: Flexible fuel or vent lines, \$77.00

Textiles (TC 38)

[ISO 17751-2:2023](#), Textiles - Quantitative analysis of cashmere, wool, other specialty animal fibres and their blends - Part 2: Scanning electron microscopy method, \$237.00

Tractors and machinery for agriculture and forestry (TC 23)

[ISO 23316-3:2023](#), Tractors and machinery for agriculture and forestry - Electrical high-power interface 700 V DC / 480 V AC - Part 3: Safety requirements, \$77.00

[ISO 23316-4:2023](#), Tractors and machinery for agriculture and forestry - Electrical high-power interface 700 V DC / 480 V AC - Part 4: AC operation mode, \$157.00

[ISO 23316-7:2023](#), Tractors and machinery for agriculture and forestry - Electrical high-power interface 700 V DC / 480 V AC - Part 7: Mechanical integration, \$51.00

ISO Technical Reports

Road vehicles (TC 22)

[ISO/TR 9839:2023](#), Road vehicles - Application of predictive maintenance to hardware with ISO 26262-5, \$116.00

ISO Technical Specifications

Light and Lighting (TC 274)

[ISO/TS 7127:2023](#), Light and lighting - Building information modelling properties for lighting - Lighting systems, \$237.00

Sports and recreational equipment (TC 83)

[ISO/TS 24665:2023](#), Playground and recreational areas - Framework for the competence of playground inspectors and playground maintenance technicians, \$157.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 9797-1:2011/Amd 1:2023](#), - Amendment 1: Information technology - Security techniques - Message Authentication Codes (MACs) - Part 1: Mechanisms using a block cipher - Amendment 1, \$22.00

IEC Standards

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

[IEC 60728-11 Ed. 5.0 b:2023](#), Cable networks for television signals, sound signals and interactive services - Part 11: Safety, \$417.00

Capacitors and resistors for electronic equipment (TC 40)

[IEC 60115-8 Ed. 3.0 b:2023](#), Fixed resistors for use in electronic equipment - Part 8: Sectional specification: Fixed surface mount resistors, \$455.00

Electrical apparatus for explosive atmospheres (TC 31)

[IEC 60079-11 Ed. 7.0 b:2023](#), Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i", \$512.00

Measuring equipment for electromagnetic quantities (TC 85)

[IEC 61557-7 Amd.1 Ed. 3.0 b:2023](#), Amendment 1 - Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 7: Phase sequence, \$25.00

[IEC 61557-7 Ed. 3.1 b:2023](#), Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 7: Phase sequence, \$158.00

[IEC 61557-13 Ed. 2.0 b:2023](#), Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 13: Hand-held and hand-manipulated current clamps and sensors for measurement of leakage currents in electrical distribution systems, \$190.00

[IEC 61557-14 Ed. 2.0 b:2023](#), Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 14: Equipment for testing the safety of electrical equipment of machinery, \$145.00

[IEC 61557-16 Ed. 2.0 b:2023](#), Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 16: Equipment for testing the effectiveness of the protective measures of electrical equipment and/or medical electrical equipment, \$190.00

Other

[IEC SRD 63273-1 Ed. 1.0 en:2023](#), Smart city use case collection and analysis - City information modelling - Part 1: High-level analysis, \$417.00

Power electronics (TC 22)

[IEC 62751-2 Amd.2 Ed. 1.0 b:2023](#), Amendment 2 - Power losses in voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) systems - Part 2: Modular multilevel converters, \$51.00

[IEC 62751-2 Ed. 1.2 b:2023](#), Power losses in voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) systems - Part 2: Modular multilevel converters, \$582.00

Power system control and associated communications (TC 57)

[IEC 60870-5-104 Amd.1 Ed. 2.0 b Cor.1:2023](#), Corrigendum 1 - Amendment 1 - Telecontrol equipment and systems - Part 5 -104: Transmission protocols - Network access for IEC 60870-5 -101 using standard transport profiles, \$0.00

Solar photovoltaic energy systems (TC 82)

[IEC 62788-2-1 Ed. 1.0 b:2023](#), Measurement procedures for materials used in photovoltaic modules - Part 2-1: Polymeric materials - Frontsheet and backsheet - Safety requirements, \$278.00

Surface mounting technology (TC 91)

[IEC 61189-2-804 Ed. 1.0 b:2023](#), Test methods for electrical materials, printed board and other interconnection structures and assemblies - Part 2-804: Test methods for time to delamination - T260, T288, T300, \$25.00

Switchgear and controlgear (TC 17)

[IEC 62271-202 Ed. 3.0 b Cor.1:2023](#), Corrigendum 1 - High-voltage switchgear and controlgear - Part 202: AC prefabricated substations for rated voltages above 1 kV and up to and including 52 kV, \$0.00

IEC Technical Specifications**Safety of machinery - Electrotechnical aspects (TC 44)**

[IEC/TS 61496-5 Ed. 1.0 en:2023](#), Safety of machinery - Electro-sensitive protective equipment - Part 5: Particular requirements for radar-based protective devices, \$329.00

[IEC/TS 62998-3 Ed. 1.0 en:2023](#), Safety of machinery - Safety-related sensors used for the protection of persons - Part 3: Sensor technologies and algorithms, \$367.00

Standard voltages, current ratings and frequencies (TC 8)

[IEC/TS 62898-3-4 Ed. 1.0 en:2023](#), Microgrids - Part 3-4: Technical requirements - Microgrid monitoring and control systems, \$278.00

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Urban Logistics

Comment Deadline: September 22, 2023

KATS, the ISO member body for South Korea, has submitted to ISO a proposal for a new field of ISO technical activity on Urban Logistics, with the following scope statement:

Standardization in the field of urban logistics technology and services, including but not limited to terms, functions, assessments and evaluations, and requirements for economical, efficient and eco-friendly urban logistics.

The goal of the technical committee is to help build urban logistics technologies and services that are sustainable, socially and economically responsible.

Standardization activities are technologies and services for efficient and sustainable urban logistics required for cities that are constantly evolving and expanding due to rapid population growth and digital transformation.

Excluded: Standardization covered by

- *ISO/TC 22 - Road vehicles*
- *ISO/TC 34 - Food products*
- *ISO/TC 92 - Fire safety*
- *ISO/TC 101 - Continuous mechanical handling equipment*
- *ISO/TC 122 - Packaging*
- *ISO/TC 176 - Quality management and quality assurance*
- *ISO/TC 204 - Intelligent transport systems*
- *ISO/TC 262 - Risk management*
- *ISO/TC 268 - Sustainable cities and communities*
- *ISO/TC 283 - Occupational health and safety management*
- *ISO/IEC JTC 1 - Information technology*
- *ISO/TC 308 - Chain of custody*
- *ISO/TC 315 - Cold chain logistics*
- *ISO/TC 321 - Transaction assurance in E-commerce*
- *ISO/TC 344 – Innovative logistics.*

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, September 22, 2023.

International Organization for Standardization (ISO)

ISO Proposal for the Reactivation of ISO Technical Activity

Boilers and pressure vessels

Comment Deadline: September 22, 2023

SAC, the ISO member body for China, has submitted to ISO a proposal for the reactivation of ISO/TC 11 (Boilers and pressure vessels) which has been in ISO ‘standby’ mode for a number of years due to inactivity. The scope of ISO/TC 11 is as follows:

Standardization of construction of boilers and pressure vessels.

Excluded:

- *railway and marine boilers covered by ISO/TC 8;*
- *gas cylinders covered by ISO/TC 58;*
- *aircraft and vehicle components covered by ISO/TC 20;*
- *equipment used for fire-fighting covered by ISO/TC 21;*
- *personal safety equipment covered by ISO/TC 94;*
- *components of rotating or reciprocating devices;*
- *nuclear pressure equipment covered by ISO/TC 85;*
- *pipng systems;*
- *cryogenic vessels covered by ISO/TC 220.*

Note:

Construction is an all-inclusive term that includes design, materials, fabrication, examination, inspection, testing and conformity assessment.

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, September 22, 2023.

Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.

When organization names are submitted to ANSI for registration, they will be listed here alphanumerically.

Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

Online Resources:

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

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

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

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

WTO Committee on Technical Barriers to Trade (TBT): https://www.wto.org/english/tratop_e/tbt_e/tbt_e.htm

USA TBT Enquiry Point: <https://www.nist.gov/standardsgov/usa-wto-tbt-enquiry-point>

Comment guidance:

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

NIST: <https://www.nist.gov/>

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

Examples of TBTs: https://tcc.export.gov/report_a_barrier/trade_barrier_examples/index.asp.

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

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

FAS contribution to free trade agreements: <https://www.fas.usda.gov/topics/trade-policy/trade-agreements>

Tracking regulatory changes: <https://www.fas.usda.gov/tracking-regulatory-changes-wto-members>

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

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

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NSF/ANSI Standard
for Plastics —

Plastics Piping System Components and Related Materials

-
-
-

2 Normative references

The following documents contain requirements that, by reference in this text, constitute requirements of this standard. At the time of publication, the indicated editions were valid. All of the documents are subject to revision and parties are encouraged to investigate the possibility of applying the most recent editions of the documents indicated below. It is the responsibility of the user of this standard to determine the acceptance of the referenced standards to the application and requirements of the local jurisdictions. The most recent published edition of the document shall be used for undated references.

-
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ASTM F1924-19 *Standard Specification for Plastic Mechanical Fittings for Use on Outside Diameter Controlled Polyethylene Gas Distribution Pipe and Tubing*⁵

-
-
-

Table 9.11B
PE-gas pipe and fitting test frequency

Test	PE pipe	PE fitting
dimensions ^a	—	—
burst pressure ^a	—	—
chemical resistance ^b	annually	annually
sustained pressure test	—	annually
elevated temperature service	annually	annually
apparent tensile at yield or quick burst	annually	—
melt index ^b	annually	annually
squeeze off ^b	annually	—
thermal stability ^b	annually	—
inside surface ductility ^b	annually	—
density ^b	annually	—

Tracking number 14i127r1
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Revision to NSF/ANSI 14-2022
Issue 127, Revision 1 (August 2023)

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Table 9.11B
PE-gas pipe and fitting test frequency

Test	PE pipe	PE fitting
Tensile ^d	—	annually
Temperature Cycling ^d	—	annually
Constant tensile load test ^d	—	annually
product standard(s)	ASTM D2513 ASTM F2619 CSA B137.4 ^c	ASTM D2513 CSA B137.4 ^c ASTM F1924
^a Pipe and fitting compliant to ASTM D2513 shall meet the QC requirements of ASTM D2513 Annex A.1. ^b Applies only to products listed under ASTM D2513 and CSA B137.4. ^c Pipe and fitting compliant to CSA B137.4 shall meet the QC requirements of CSA B137.4 Table 4. ^d Applies only to product listed under ASTM F1924		

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NSF/ANSI Standard
for Plastics —

Plastics Piping System Components and Related Materials

-
-
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7 Requirements for potable water plastic piping system components and related materials

7.1 General

Materials, compounds, products, and formulations shall comply with the applicable requirements of NSF/ANSI/CAN 61 as referenced in Section 2 of this standard.

7.2 Requirements for generic ingredients

Generic ingredients for use in PVC potable water pipe and fitting compounds shall meet the requirements of this Section.

7.2.1 Calcium carbonates

Calcium carbonates shall comply with the requirements contained in Section 7.2.1.1, 7.2.1.2, or 7.2.1.3.

7.2.1.1 Calcium carbonates and titanium dioxides that comply with the following exposure conditions and toxicology review are acceptable:

— analytes of interest shall be identified in accordance with NSF/ANSI/CAN 61, Annex I-1: *Toxicology review and evaluation procedures*;

— exposure water conditions (pH and temperature) shall be selected in accordance with the procedures in NSF/ANSI/CAN 61, Annex N-1: *Product / material evaluation*;

— a minimum of 1 g of the ingredient shall be placed in 1 L of the appropriate exposure water. After 24 h, the solution shall be decanted and the extractant water discarded. The ingredient sample shall be exposed for an additional 24 h in a second 1-L sample of the appropriate exposure water. After 24 h of exposure, this solution shall be decanted and the extractant water discarded. The ingredient sample shall then be placed in a third 1-L sample of the appropriate exposure water. After 72 h of exposure, the extractant water shall be decanted, filtered through a 4.5×10^{-7} m (0.45- μ m) membrane filter, and then chemically analyzed for those analytes of interest. Table 9.1 summarizes this exposure schedule;

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- the resulting extractant water shall be analyzed in accordance with the procedures described in NSF/ANSI/CAN 61, Annex N-1; and
- the health effects evaluation of analyte concentrations in the extractant water shall be conducted in accordance with NSF/ANSI/CAN 61, Annex I-1.

7.2.1.2 Calcium carbonates and titanium dioxides that comply with the applicable requirements of NSF/ANSI/CAN 61 are acceptable. PVC pipe, fittings, injection molded plaques, and compression molded plaques that are formulated to contain the ingredient at the maximum use level shall be subjected to the extraction testing methods described in NSF/ANSI/CAN 61, Section 4.5: *Extraction procedures*. Analytes of interest measured in the extractant water shall conform to the health effects evaluation requirements in NSF/ANSI/CAN 61, Annex I-1.

7.2.1.3 Calcium carbonates that comply with the applicable requirements of NSF/ANSI/CAN 60 are acceptable.

7.2.2 Calcium stearates

Calcium stearates shall be tested in accordance with NSF/ANSI/CAN 61. PVC pipe, fittings, injection molded plaques, and compression molded plaques that are formulated to contain the ingredient at the maximum use level shall be subjected to the extraction testing methods described in NSF/ANSI/CAN 61, Section 4.5. Analytes of interest measured in the extractant water shall conform to the health effects evaluation requirements in NSF/ANSI/CAN 61, Annex I-1.

7.2.3 Hydrocarbon waxes

Hydrocarbon waxes shall comply with 21 C.F.R. § 178.37^{Error! Bookmark not defined.} and shall be tested in accordance with NSF/ANSI/CAN 61. PVC pipe, fittings, injection molded plaques, and compression molded plaques that are formulated to contain the ingredient at the maximum use level shall be subjected to the extraction testing methods described in NSF/ANSI/CAN 61, Section 4.5. Analytes of interest measured in the extractant water shall conform to the health effects evaluation requirements in NSF/ANSI/CAN 61, Annex I-1.

7.2.4 Oxidized polyethylene waxes

Oxidized polyethylene waxes shall comply with 21 C.F.R. § 172.260^{Error! Bookmark not defined.} or shall be tested in accordance with NSF/ANSI/CAN 61 and comply with 21 C.F.R. § 177.1620^{Error! Bookmark not defined.} PVC pipe, fittings, injection molded plaques, and compression molded plaques that are formulated to contain the ingredient at the maximum use level shall be subjected to the extraction testing methods described in NSF/ANSI/CAN 61, Section 4.5. Analytes of interest measured in the extractant water shall conform to the health effects evaluation requirements in NSF/ANSI/CAN 61, Annex I-1.

7.2.5 Titanium dioxides

Titanium dioxides shall comply with 21 C.F.R. § 73.575^{Error! Bookmark not defined.} or the requirements contained in Section 7.2.1.1 or 7.2.1.2.

7.2.6 Other PVC ingredients

Ingredients, other than generic ingredients (titanium dioxides, calcium stearates, calcium carbonates, paraffinic hydrocarbon waxes, and polyethylene waxes), intended for use in PVC pipe or fittings shall be

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tested in accordance with NSF/ANSI/CAN 61. PVC pipe, fittings, injection molded plaques, and compression molded plaques formulated to contain the ingredient at the maximum use level shall be subjected to the extraction testing methods described in NSF/ANSI/CAN 61, Section 4.5. Analytes of interest measured in the extractant water shall conform to the health effects evaluation requirements of NSF/ANSI/CAN 61, Annex I-1.

7.3 Requirements for lead

There shall be no lead added as an intentional ingredient in any product, material, ingredient or system component submitted for evaluation to this standard, with the exception of brass or bronze meeting the definition of “lead free” under the specific provisions of the Safe Drinking Water Act of the United States..¹

7.4 Phthalates and phthalate plasticizers

There shall be no phthalates or phthalate plasticizers as ingredients to rigid PVC or CPVC pipe, tubing, fittings, and appurtenances formulations.

7.5 Monitoring

In addition to the physical and performance monitoring requirements specified in Section 5.6, plastic piping system components and related materials intended for potable water shall be tested annually to ensure compliance with NSF/ANSI/CAN 61, except as permitted in Section 9.8 for solvent cements and primers. PVC and CPVC pipe, tubing, fittings, and appurtenances intended for potable water shall also be tested a minimum of three times annually for RVCM. Appurtenances produced using a material or compound that is also being used to produce fittings subject to these requirements shall not require separate testing for RVCM. RVCM in PVC and CPVC potable water piping products shall not exceed 3.2 mg/kg.

¹ Safe Drinking Water Act, Section 1417(a)(1). <www.epa.gov/sdwa>

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NSF/ANSI Standard 244 for Drinking Water Treatment Units:

Supplemental Microbiological Water Treatment Systems – Filtration

⋮

8 Instruction and information

⋮

8.1 Installation, operation, and maintenance instruction

8.1.1 Information setting forth complete, detailed instructions for installation, operation, and maintenance shall be provided with each system or be **publicly** accessible online. Upon request, manufacturers shall submit physical copies of installation, operation, and maintenance instructions. Specific instructions information shall include:

⋮

8.4 Performance data sheet

8.4.1 A performance data sheet shall be available to potential buyers for each system in print or **be publicly accessible** online (upon request manufacturers shall provide a physical copy). ~~and—~~The performance data sheet shall include the following information:

⋮

Rationale:

These updates make it clear that installation, operation, and maintenance instruction manuals, as well as performance data sheets, are allowed to be accessible online as long as hard copies are provided upon request.

NOTE: The DWTU Joint and Technical Committees approved revision 1 (r1) for 244 as part of the [42i117r1 et al ballot](#). However, by the time the revision 2 (r2) ballot was issued, the balloting deadline for NSF/ANSI 244-2022 had closed. This r2 ballot now adds these changes to 244 for consistency.

Revision 1 updated the “Installation, operation, and maintenance instruction” sections of all DWTU standards (including 244) to allow online installation, operation, and maintenance instructions, and:

- Updated the “Performance data sheet” section to allow online performance data sheets
- Corrected “instructions” to “information” in Section 8.1.1

Revision 2 now:

- Updates the “Installation, operation, and maintenance instruction” and “Performance data sheet” sections for 244 to clarify this information must be **publicly accessible online.**

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NSF/ANSI Standard
For Wastewater Technology –

Residential Wastewater Treatment Systems – Nitrogen Reduction

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. .

8 Performance testing and evaluation

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. .

8.5 Final report

A final report shall be prepared that presents the following:

- all data collected in accordance with the testing and evaluations within this standard, **including data from stress testing and percent actual nitrogen reduction**;
- a table indicating the actual percent reduction over the course of the test (included in the executive summary, as well as in the body of the report);
- observations made during the testing;
- an estimation of the pounds of nitrogen loaded during the test and the pounds removed;
- any adjustments made to the alkalinity of the influent wastewater;
- a copy of the current edition of the Owner's Manual; and
- process description and detailed dimensioned drawings of the system evaluated.

A supplemental report shall be prepared for any system(s) approved under Section 1.4 of this standard, including process description(s) and dimensioned drawings.

BSR/UL 61010-2-011, Standard for Safety for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-011: Particular Requirements for Refrigerating Equipment

1. Revisions to add requirements for refrigeration systems over 150g of flammable refrigerant and transcritical systems.

PROPOSAL

1.1.1 Equipment included in scope

Replacement:

Replace the second paragraph by the following:

This Part 2 of IEC 61010 specifies particular safety requirements for the following types a) to c) of electrical equipment and their accessories, wherever they are intended to be used, whenever that equipment incorporates REFRIGERATING SYSTEMS as an integral part of, or separate from, the equipment and the equipment is in direct control of the REFRIGERATING SYSTEM.

This document details all the requirements when up to 150 g of FLAMMABLE REFRIGERANT are used per stage of a REFRIGERATING SYSTEM. Additional requirements beyond the current scope of this document apply if a REFRIGERANT charge of FLAMMABLE REFRIGERANT exceeds this amount.

1.1.1DV.1 D2 Modification of Clause 1.1.1 to add the following after the second paragraph:

For REFRIGERATION SYSTEM with more than 150 g per stage, the requirement of UL 60335-2-89 shall be used. Transcritical REFRIGERATION SYSTEMS and systems that use ammonia (NH3) as the REFRIGERANT shall be evaluated to the requirements of UL 60335-2-89.

Addition:

Add the following text after the last paragraph:

NOTE 101 Examples for REFRIGERATING EQUIPMENT include, but are not limited to, laboratory equipment such as laboratory refrigerators, freezers, refrigerated display cabinets.

It is possible that all or part of the equipment falls within the scope of one or more other Part 2 standards of IEC 61010 as well as within the scope of this standard. In that case, the requirements of those other Part 2 standards will also apply. In particular, if equipment is intended to be used as a centrifuge, the requirements of IEC 61010-2-020 apply. However, when the equipment incorporates a refrigerating system and a heating function where the combination of the two introduces additional or more severe HAZARDS than if treated separately, then it is possible that IEC 61010-2-012 is applicable instead of this Part 2-011.

See further information in the flow chart ([Figure 102](#)) for the selection process and guidance in the Introduction.

1.1.2 Equipment excluded from scope

Addition:

Add the following new item after item j):

or equipment incorporating:

1.1.2DV D2 Delete Clause 1.1.2, item aa). It does not apply.

aa) a transcritical REFRIGERANT SYSTEM (system that uses CO₂) or a system that uses ammonia (NH₃) as the REFRIGERANT.

2 Normative references

This clause of Part 1 is applicable, except as follows:

Addition:

Add the following references to the list:

IEC 60079-15:2010, *Explosive atmospheres – Part 15: Equipment protection by type of protection "n"*

IEC 60335-2-34:2012, *Household and similar electrical appliances – Safety – Part 2-34: Particular requirements for motor-compressors*

IEC 60335-2-34:2012/AMD1:2015

IEC 60335-2-34:2012/AMD2:2017

ISO 7010, *Graphical symbols – Safety colours and safety signs – Registered safety signs*

2DV DR Modification of Clause 2 of the Part 2 to add the following normative references:

For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

UL 60335-2-24, Household and similar electrical appliances – Safety – Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice-makers

UL 60335-2-34, Household and Similar Electrical Appliances – Safety – Part 2-34: Particular requirements for motor compressors

UL 60335-2-89, Household and Similar Electrical Appliances – Safety – Part 2-89: Particular requirements for commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor

BSR/UL 61010-2-012, Standard for Safety for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-012: Particular Requirements for Climatic and Environmental Testing and Other Temperature Conditioning Equipment

1. Revisions to add requirements for refrigeration systems over 150 g of flammable refrigerant and transcritical systems.

PROPOSAL

2 Normative references

This clause of Part 1 is applicable, except as follows:

Addition:

IEC 60079-15:2010, *Explosive atmospheres – Part 15: Equipment protection by type of protection "n"*

IEC 60079-20-1, *Explosive atmospheres – Part 20-1: Material characteristics for gas and vapour classification – Test methods and data*

IEC 60335-2-34:2012, *Household and similar electrical appliances – Safety – Part 2-34: Particular requirements for motor-compressors*

IEC 60335-2-34:2012/AMD1:2015

IEC 60335-2-34:2012/AMD2:2016

IEC 60950-1:2005, *Information technology equipment – Safety – Part 1: General requirements*

ISO 7010, *Graphical symbols – Safety colours and safety signs – Registered safety signs* (available at <https://www.iso.org/obp>)

2DV DR Modification of Clause 2 of the Part 2 to add the following normative references:

For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

UL 60335-2-89, Household and Similar Electrical Appliances – Safety – Part 2-89: Particular requirements for commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor

11.7.101.1 General

This document addresses the requirements for REFRIGERATING SYSTEMS which use FLAMMABLE REFRIGERANT when the amount of REFRIGERANT is limited to a maximum of 150 g in each separate REFRIGERANT circuit. For equipment that uses a REFRIGERANT charge of FLAMMABLE REFRIGERANT that exceeds this amount, additional requirements shall apply.

11.7.101.1DV D2 Modification of Clause 11.7.101.1 to add the following after the first paragraph:

For REFRIGERATION SYSTEM with more than 150 g per stage, the requirements of UL 60335-2-89 shall be used.

NOTE ISO 5149-1 or EN 378 (all parts) are standards that address the requirements for REFRIGERATING SYSTEMS that utilize more than 150 g of FLAMMABLE REFRIGERANT and can be used to identify what the additional requirements can be.

BSR/UL 514A, Standard for Safety for Metallic Outlet Boxes

1. Topic – Installation Instruction and Torque Values

PROPOSAL

12.5 Ceiling-suspended fan support

12.5.4 A 1320 ±25 mm (52 ±1 in) diameter test fan having four blades shall be used for the tests. A 40-g (1.4-oz) imbalance shall be placed 387.4 mm (15-1/4 in) from the center of the motor shaft. The fan shall be provided with a downrod of rigid metal pipe of a length to position the lower edge of the fan blades 305 ±25 mm (12 ±1 in) below the surface of the ceiling after mounting. The downrod shall be welded at the upper end to a 7.9-mm (5/16-in) thick fan-mounting bracket. The fan-mounting bracket shall be secured to the OUTLET BOX in accordance with the OUTLET BOX installation instructions. [When not specified in the installation instructions](#), No. 8-32 screws or nuts shall be tightened to 2.26 N•m (20 lbf-in), and No. 10-32 screws or nuts shall be tightened to 3.96 N•m (35 lbf-in). A universal type joint mounting construction shall not be used for the test. The fan motor shall be an adjustable speed type.

2. Topic – Addition of requirements for the use of electronic transmission of installation instructions.

PROPOSAL

6 Instructions

[6.6 Instructions specified in 6.1 through 6.5 may alternatively be provided via a manufacturer's website. The web address shall be marked on the unit, packaging, and/or information sheet. The web address may be in the form of a Uniform Resource Locator \(URL - \[http://www.____.com/ /\]\(http://www.____.com/\)\), or a machine-readable code \[e.g., quick response code \(such as QR Code®\)\]. The web address link shall take the user to an internet page containing the required information or a direct link to the required information. The file shall be a file format that is commonly used and may be downloadable.](#)

3. Topic – Revision to Scope and Definition - Poke Through Floor Fitting

PROPOSAL

[1.3A This standard also applies to poke-through floor fittings intended for use with flush, pedestal or recessed access floor box covers or floor mounted surface metallic raceways or multioutlet assemblies.](#)

3.23 POKE-THROUGH FLOOR FITTING: An assembly intended to provide passage of wiring from one building story to another through a penetration drilled through a concrete floor. It is used in conjunction with FLUSH, PEDESTAL, or RECESSED ACCESS FLOOR BOX COVERS [or floor mounted surface metal raceways or multioutlet assemblies.](#)

BSR/UL 746B, Standard for Safety for Polymeric Materials – Long Term Property Evaluations

1. Revision of Table 13.2 to Include End-pointless Materials

PROPOSAL

Table 13.2
Options for data analysis

Option	Analysis method
3 – 4 endpoints	a) Use less than 50-percent loss of property as criteria. b) t1 to t3/t4 to be determined at the highest 30 to 50-percent loss of property, that is in compliance with the t1-criteria in Table 13.1. c) Same method shall be applied to the control to determine the correlation time. d) Candidate RTI to be assigned at the control's correlation time.
2 – 3 endpoints	a) Use t1 to t2/t3 and maximum aging time at t3/t4 respectively. b) This method should not be used for the control. c) Candidate RTI to be assigned at the control's correlation time.
<u>Maximum of 1 end point:</u> (applicable for an exceptionally durable material that shows a <u>maximum of 1 end point</u> at 10,000 hours of aging)	a) Identify the maximum temperature (t °C) that does not show F50 point at the end of 10,000 hours aging. b) Use the above time/temperature value to draw an Arrhenius line with slope E/R = 4200. c) If the % retention at 10000 hours is > 80%, then the RTI rating shall be based on 20000 hours correlation time. d) If the % retention at 10000 hours is between 60% – 80%, then the RTI rating shall be based on 40000 hours correlation time.

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BSR/UL 758, Standard for Safety for Appliance Wiring Material**1. Conductor Material Clarification, Revised Table 5.3****PROPOSAL**

For brevity, only the applicable portions of Table 5.3 are shown.

**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 at least 0.015 inch (0.38 mm)	ANSI/ASTM B 624	200 (392)	May be uncoated or provided with a tin, or lead based alloy coating
Copper or copper alloy, hard drawn, or high strength silver-coated	ANSI/ASTM B 961	200 (392)	
Copper alloy, hard-drawn or high strength nickel-coated	–	250 (482)	
<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 2225, Standard for Safety for Cables and Cable Fittings for Use in Hazardous (Classified) Locations

1. Revisions to the proposal document dated June 30, 2023 per responses to comments received.

PROPOSAL

1.5 These requirements cover flameproof, increased safety, explosionproof and dust-ignitionproof cable sealing fittings for Type P cable ~~intended for use on mobile offshore oil rigs and drilling platforms, and other marine vessels, and for use on land-based gas and oil mobile drilling rigs~~ in accordance with the National Electrical Code, NFPA 70-2020. For offshore installations, investigations of these fittings include an evaluation for conformity to the installation and use provisions of Title 46 Code of Federal Regulations Subpart 111.105 and Subpart 111.60 of the United States Coast Guard Electrical Engineering Regulations, Subchapter J (Parts 110 to 113 inclusive) as applied by the authority having jurisdiction.

4.5 FLAMEPROOF CABLE SEALING FITTING – A cable or cord sealing fitting ~~capable of~~ meeting the requirements for flameproof construction and performance as given in this standard for use in Zone 1 or Zone 2 locations.

4.6 INCREASED SAFETY CABLE FITTING – A cable or cord fitting ~~capable of~~ meeting the requirements for increased safety construction and performance as given in this standard for use in Zone 1 or Zone 2 locations.

Table 36.1

Level of protection, equipment group and ingress protection (IP) relationship

Intended Zone of Application	Level of protection	Group IIIC	Group IIIB	Group IIIA
Zone 20	"ta" or "tD"	IP6X	IP6X	IP6X
Zone 21	"tb" or "tD"	IP6X	IP6X	IP5X
Zone 22	"tc" or "tD"	IP6X	IP5X	IP5X

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BSR/UL 2368, Standard for Fire Exposure Testing of Rigid Nonmetallic and Composite Nonmetallic Intermediate Bulk Containers for Combustible Liquids

1. Fire Performance Testing

PROPOSAL

7 Fire Performance Tests

7.1 An IBC shall show no evidence of leakage or loss of structural integrity as described in Section 3, Glossary, when subjected to ~~the large-scale or the reduced-scale~~ fire performance tests described in Sections ~~8 and 9~~, respectively.

~~8 Large Scale Fire Performance Tests~~

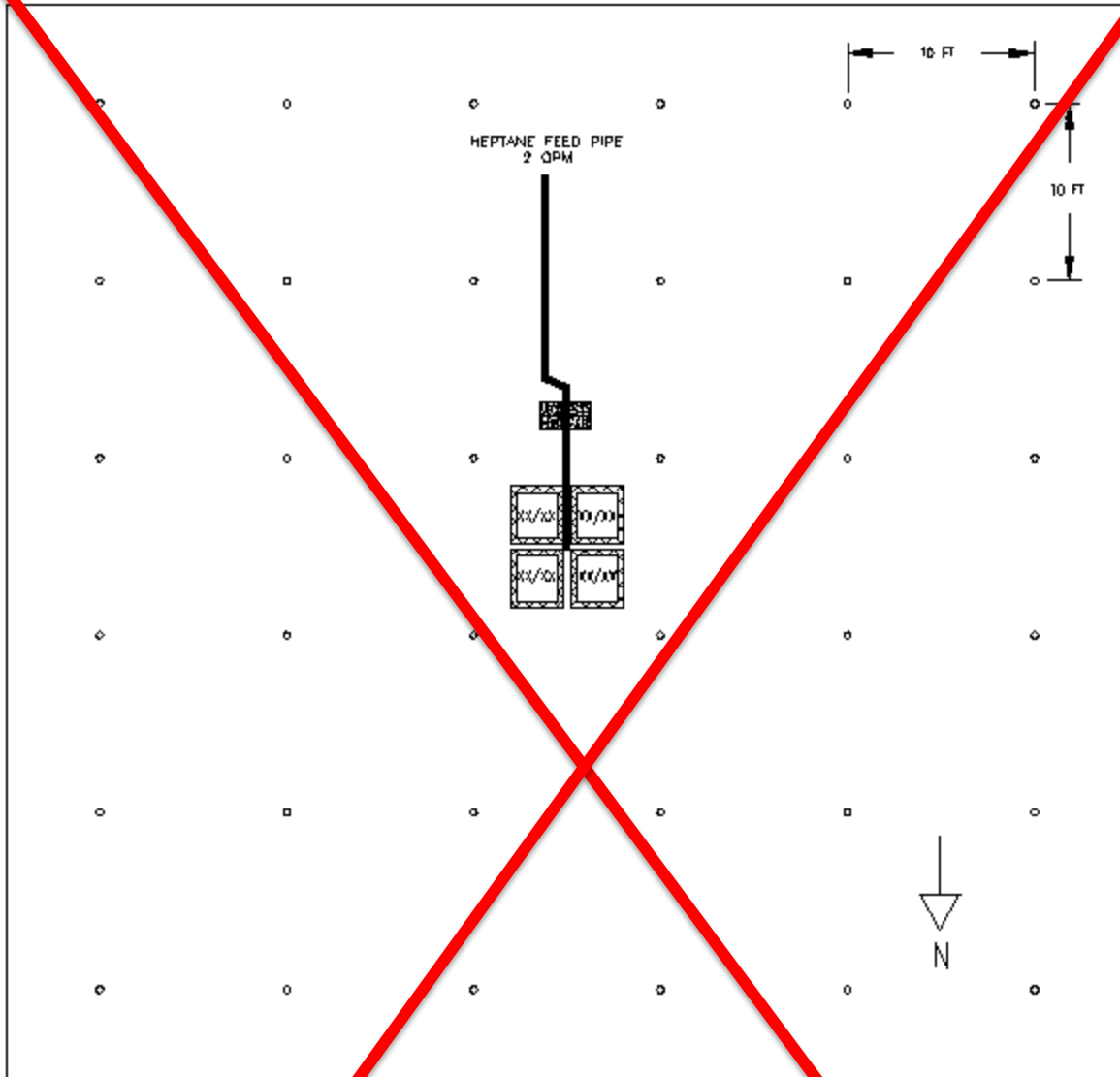
~~8.1 The large-scale fire performance tests are to be conducted in an enclosed room fitted with a 30 ft (9.2 m) high smooth, flat ceiling. A closed head, wet pipe, automatic sprinkler system utilizing thirty-six 286°F (141°C) standard response nominal K=11.2 upright style sprinklers, installed at a nominal 10 by 10 ft (3 by 3 m) spacing with the sprinkler deflectors 3–6 inches (76.2–152.4 mm) below the ceiling. The piping system is to be connected to a water supply capable of maintaining the required water discharge density of 0.60 gpm/ft² (24.5 lpm/m²).~~

~~8.1 revised March 24, 2014 issued March 24, 2014~~

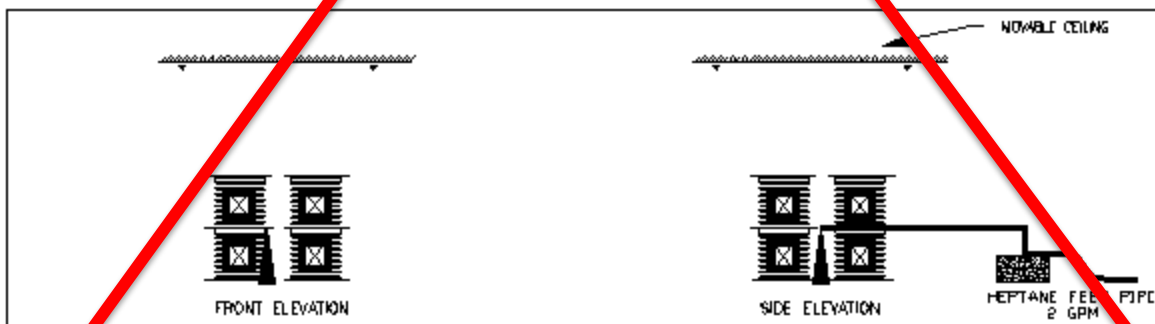
~~8.2 Eight IBCs are to be filled to their rated capacity, but not more than 98 percent of their overflow capacity, with mineral seal oil and then closed and sealed as for transportation. Each container is then to be stored at 75 ± 5 °F (24 ± 3 °C) for not less than 30 days. The IBCs are then to be arranged in a 2-by-2-by-2 high storage array with 6 in (15.2 cm) longitudinal and transverse flue spaces centered under the ceiling as shown in Figure 8.1.~~

~~Figure 8.1
Large-scale fire test~~

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PLAN VIEW



ELEVATION VIEW

 VARIOUS WATER FILLED INTERMEDIATE BULK CONTAINERS
STACKED IN SINGLE AND DOUBLE HIGH ARRANGEMENTS

SE102

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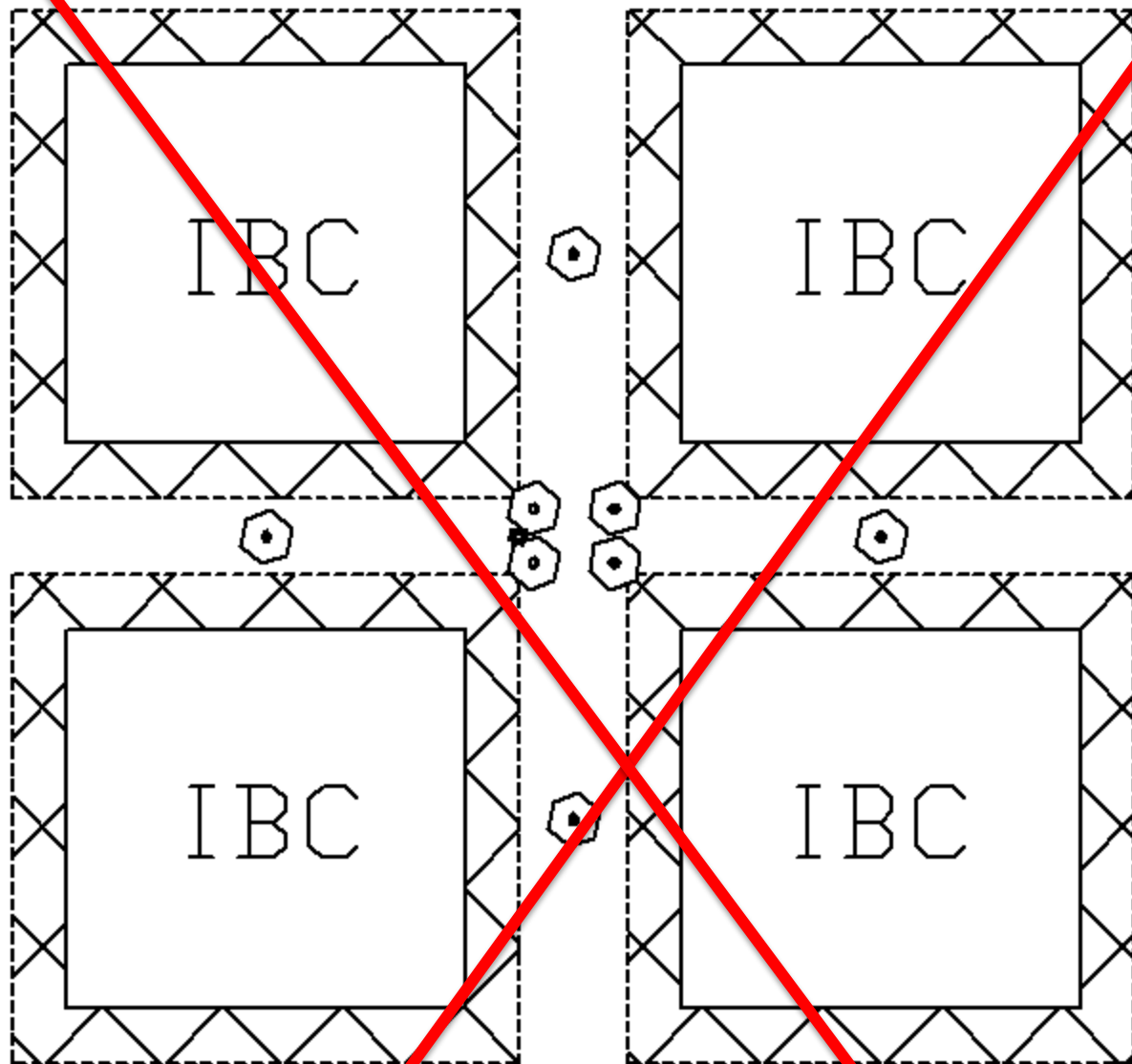
~~8.3 The following instrumentation is to be provided:~~

- ~~a) Thermocouples located below the ceiling adjacent to each sprinkler to record ceiling temperatures and time of sprinkler operation.~~
- ~~b) Pressure sensors and flowmeters to measure and monitor the water supply to the sprinkler system.~~
- ~~c) Timing devices to monitor and record significant events during the fire tests.~~

~~8.4 A three-dimensional heptane fire is to be supplied with fuel at a flowrate of 2 gpm (7.6 lpm) through a 1-inch (2.5-cm) upturned pipe elbow located approximately 6 inches (15-cm) above the bottom of the upper unit, flush with the side of the IBC at the center flue intersection of the storage array. The ignition source is to consist of 8 plastic 1-gallon (3.8-l) bags of heptane positioned in the longitudinal and transverse flue spaces as shown in Figure 8.2. The heptane supply is to be opened so as to deliver 2 gallons (7.6 l) of heptane over the area prior to ignition. The 10 gallons (37.8 l) of heptane is then to be ignited with a torch. At the operation of the first ceiling sprinkler, the fuel system is to be turned on to provide 2 gpm (7.6 lpm) of heptane through the fuel delivery system for the remainder of the 30-minute test.~~

Figure 8.2
Ignition placement details

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PLAN VIEW



PLASTIC BAG FILLED WITH 1 GALLON OF HEPTANE



ONE INCH PIPE OPENING TO DELIVER 2 GPM OF HEPTANE

55103

8.5 During each test, the time of sprinkler operation, ceiling temperatures, heptane, and water flow rates are to be recorded.

8.6 The test is to be conducted for 30 minutes or until there is evidence of leakage or loss of structural integrity. If this event occurs in less than 30 minutes after the exposure, the IBCs are to be examined for

~~evidence of leakage or loss of structural integrity. Each IBC is then to be examined again after 24 hours for any signs of leakage.~~

~~8.6 revised March 24, 2014 issued March 24, 2014~~

9 ~~Reduced-Scale~~ Fire Performance Tests

9.1 The ~~reduced-scale~~ fire performance tests are to be conducted in an enclosed test cell having a smooth, flat 30-ft (9.2-m) high ceiling. A sprinkler system utilizing four open nominal K=11.2 upright sprinklers installed on a nominal 8-by-10 ft. (2.4-by-2.5 m) spacing, is to be installed with the sprinkler deflectors 3 - 6 inches (76.2 - 152.4 mm) below the ceiling. The piping system is to be connected to a water capable of flowing water to maintain a 0.60-gpm/ft² (24.5 mm/min) discharge density.

Figure 9.1
~~Reduced-scale~~ Fire test Layout

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