



# STANDARDS ACTION

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# Project Initiation Notification System (PINS)

ANSI Procedures require notification of ANSI by ANSI-accredited standards developers (ASD) of the initiation and scope of activities expected to result in new or revised American National Standards (ANS). Early notification of activity intended to reaffirm or withdraw an ANS and in some instances a PINS related to a national adoption is optional. The mechanism by which such notification is given is referred to as the PINS process. For additional information, see clause 2.4 of the ANSI Essential Requirements: Due Process Requirements for American National Standards.

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. 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 affected interests wishing to receive more information or to submit comments are requested to contact the standards developer directly within 30 days of the publication of this announcement.

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## **ADA (Organization) (American Dental Association)**

211 East Chicago Avenue | Chicago, IL 60611-2678 [www.ada.org](http://www.ada.org)  
Paul Bralower; [bralowerp@ada.org](mailto:bralowerp@ada.org)

### ***National Adoption***

BSR/ADA Standard No. 203-202x, Dentistry - Materials Used for Dental Equipment Surfaces - Determination of Resistance to Chemical Disinfectants (identical national adoption of ISO 21530:2004)

Stakeholders: Manufacturers, dentists.

Project Need: Surface disinfection of dental equipment after every patient reduces the number of infectious flora that may be present. Therefore, it is important to test and assess whether the materials used for dental equipment surface can withstand or resist chemical disinfectants. The ADA standards committee examined the international standard and found it suitable for this purpose.

Interest Categories: Consumer, General Interest, Producer

Scope: This document specifies test methods for determining the resistance to chemical disinfectants of all materials used for external surfaces of dental equipment intended for such disinfection. Three test methods are specified: an immersion test, a spray test, and a contact test. This document does not address the bactericidal, virucidal, and fungicidal effectivity of the disinfectants.

**ARESCA (American Renewable Energy Standards and Certification Association)**

256 Farrell Farm Road | Norwich, VT 05055 [www.aresca.us](http://www.aresca.us)

George Kelly; [secretary@aresca.us](mailto:secretary@aresca.us)

***National Adoption***

BSR/ARESCA 61400-3-1-202x, Wind energy generation systems - Part 3-1: Design requirements for fixed offshore wind turbines (identical national adoption of IEC 61400-3-1:2019)

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

Project Need: The ambitious plans for development of offshore wind projects requires a consistent and comprehensive set of industry-based consensus standards. IEC 61400-3-1 is directly applicable as an ANS for such projects.

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

Scope: This part of IEC 61400 specifies additional requirements for assessment of the external conditions at an offshore wind turbine site and specifies essential design requirements to ensure the engineering integrity of fixed offshore wind turbines. Its purpose is to provide an appropriate level of protection against damage from all hazards during the planned lifetime.

**ARESCA (American Renewable Energy Standards and Certification Association)**

256 Farrell Farm Road | Norwich, VT 05055 [www.aresca.us](http://www.aresca.us)

George Kelly; [secretary@aresca.us](mailto:secretary@aresca.us)

***National Adoption***

BSR/ARESCA 61400-3-2-202x, Wind energy generation systems - Part 3-2: Design requirements for floating offshore wind turbines (identical national adoption of IEC TS 61400-3-2:2019)

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

Project Need: The ambitious plans for development of offshore wind projects requires a consistent and comprehensive set of industry-based consensus standards. IEC TS 61400-3-2 is directly applicable as an ANS for such projects.

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

Scope: This part of IEC 61400, which is a technical specification, specifies additional requirements for assessment of the external conditions at a floating offshore wind turbine (FOWT) site and specifies essential design requirements to ensure the engineering integrity of FOWTs. Its purpose is to provide an appropriate level of protection against damage from all hazards during the planned lifetime.

**ISA (Organization) (International Society of Automation)**

67 Alexander Drive | Research Triangle Park, NC 27709 [www.isa.org](http://www.isa.org)  
Charley Robinson; [crobinson@isa.org](mailto:crobinson@isa.org)

***New Standard***

BSR/ISA 106.00.03-202x, Procedure Automation for Continuous Process Operations (new standard)

Stakeholders: End users and equipment/system suppliers in the continuous process industries.

Project Need: To improve the design and implementation of procedures for automating continuous process operations.

Interest Categories: Include end users, suppliers, regulators, consultants, architect-engineer/integrators

Scope: Will define terminology, models, styles, strategies, philosophies, and life cycles for automation of procedures in the continuous process industries.

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

700 K Street NW, Suite 600 | Washington, DC 20001 [www.incits.org](http://www.incits.org)  
Rachel Porter; [comments@standards.incits.org](mailto:comments@standards.incits.org)

***New Standard***

INCITS 564-202x, Information technology - Remote Direct Memory Access over Fibre Channel (FC-RDMA) (new standard)

Stakeholders: ICT industry.

Project Need: There is no current RDMA semantics over the Fibre Channel standard to address emerging technologies such as Persistent Memory, and this project will address this need.

Scope: This project recommends the development of a standard for Remote Direct Memory Access (RDMA) over Fibre Channel. The title and scope for INCITS 564-202x are modified by this updated project proposal. Included within this scope are: (a) additions as needed for development of FC-RDMA; and (b) any other item as deemed necessary during the development.

**RVIA (Recreational Vehicle Industry Association)**

3333 Middlebury Street | Elkhart, IN 46516 [www.rvia.org](http://www.rvia.org)  
Tyler Reamer; [treamer@rvia.org](mailto:treamer@rvia.org)

***Revision***

BSR/RVIA TSIC-1-202x, Recommended Practice Process Controls for Assembly of Wheels on Trailers (revision of ANSI/RVIA TSIC-1-2018)

Stakeholders: Axle, wheel hardware, and trailer (RV, marine, cargo, & other similar types) manufacturers.

Project Need: To provide opportunity to revise and upgrade minimum safety requirements for the proper assembly of wheels on trailers in order to provide for consumer safety.

Scope: The purpose of this Recommended Practice is to identify and define significant factors required for assembly process control.

**TIA (Telecommunications Industry Association)**

1320 North Courthouse Road, Suite 200 | Arlington, VA 22201-2598 [www.tiaonline.org](http://www.tiaonline.org)

Teesha Jenkins; [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)

**Revision**

BSR/TIA 568.4-E-202x, Broadband Coaxial Cabling and Components Standard (revision and redesignation of ANSI/TIA 568.4-D-2017)

Stakeholders: Users, producers, and test equipment producers of coaxial cabling.

Project Need: Update standard.

Scope: This project will create ANSI/TIA 568.4-E, revision of ANSI/TIA 568.4-D. Nomenclature will be updated and any general needed updates will be made.

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1320 North Courthouse Road, Suite 200 | Arlington, VA 22201-2598 [www.tiaonline.org](http://www.tiaonline.org)

Teesha Jenkins; [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)

**New Standard**

BSR/TIA 568.5-1-202x, Balanced Single Twisted-Pair Telecommunications Cabling and Components Standard - Addendum 1: Corrections (new standard)

Stakeholders: All users and manufacturers of telecommunications cabling systems.

Project Need: Create a new standard,

Scope: This addendum will correct the error of the incompatibility between the channel and cable PSAFEXT specifications and correct any other errors that may be found. The scope may include the addition of a test method for UTP 1-pr cable. (Additions of features and classes will not be included in the scope.)

**TIA (Telecommunications Industry Association)**

1320 North Courthouse Road, Suite 200 | Arlington, VA 22201-2598 [www.tiaonline.org](http://www.tiaonline.org)

Teesha Jenkins; [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)

**Addenda**

BSR/TIA 569-E-1-202x, Telecommunications Pathways and Spaces - Addendum 1: Revised Temperature and Humidity Guidelines for Telecommunications Spaces (addenda to ANSI/TIA 569-E-2019)

Stakeholders: Data center and computer room owners, operators, engineers, consultants, and designers.

Project Need: Update standard.

Scope: This Addendum specifies new temperature and humidity recommendations for telecommunications spaces. The new recommendations are harmonized with ASHRAE Thermal Guidelines for Data Processing Environments, 5th edition.

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1320 North Courthouse Road, Suite 200 | Arlington, VA 22201-2598 [www.tiaonline.org](http://www.tiaonline.org)

Teesha Jenkins; [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)

***Revision***

BSR/TIA 1183-B-202x, Measurement Methods and Test Fixtures for Balun-less Measurements of Balanced Components and Systems (revision and redesignation of ANSI/TIA 1183-A-2017)

Stakeholders: Cable and connector manufacturers, end users, system developers, installers, consultants, Field tester manufacturers and users.

Project Need: Update standard.

Scope: This project will create ANSI/TIA 1183-B, revision of ANSI/TIA 1183-A. Known errors will be corrected, nomenclature will be updated, and any general needed updates will be made.

# 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](mailto:psa@ansi.org)

\* Standard for consumer products

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## Comment Deadline: March 13, 2022

### NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | [arose@nsf.org](mailto:arose@nsf.org), [www.nsf.org](http://www.nsf.org)

#### Revision

BSR/NSF 2-202x (i32r3), Food Equipment (revision of ANSI/NSF 2-2019)

Equipment covered by this Standard includes, but is not limited to, bakery, cafeteria, kitchen, and pantry units, and other food handling and processing equipment such as tables and components, counters, tableware, hoods, shelves, and sinks.

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Allan Rose; [arose@nsf.org](mailto:arose@nsf.org)

### NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | [mleslie@nsf.org](mailto:mleslie@nsf.org), [www.nsf.org](http://www.nsf.org)

#### Revision

BSR/NSF/CAN 61-202x (i160r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2021)

This Standard is intended to cover specific materials or products that come into contact with: drinking water, drinking water treatment chemicals, or both. The focus of the Standard is evaluation of contaminants or impurities imparted indirectly to drinking water. The products and materials covered include, but are not limited to, process media (e.g., carbon, sand), protective materials (e.g., coatings, linings, liners), joining and sealing materials (e.g., solvent cements, welding materials, gaskets), pipes and related products (e.g., pipes, tanks, fittings), mechanical devices used in treatment/transmission/distribution systems (e.g., valves, chlorinators, separation membranes, point-of-entry (POE) drinking water treatment systems), and mechanical plumbing devices (e.g., faucets, endpoint control valves).

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Monica Leslie; [mleslie@nsf.org](mailto:mleslie@nsf.org)

## Comment Deadline: March 13, 2022

### UL (Underwriters Laboratories)

171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada | [laura.werner@ul.org](mailto:laura.werner@ul.org), <https://ul.org/>

#### ***New Standard***

BSR/UL 4402-202x, Standard for Safety for Indoor Air Quality in Buildings and Facilities Utilized for the Cultivation, Production and Processing of Cannabis (new standard)

Provides minimum indoor air quality (IAQ) requirements and guidelines for a building or portions of a building utilized for cannabis cultivation, post-harvest processing as well as ancillary spaces. NOTE: For the purposes of this Standard, ancillary spaces include areas that support the general operations required to run a cannabis facility. Examples include but are not limited to: Corridors, HVAC/Mechanical Rooms, and Electrical Rooms. Recognizes the issues surrounding lead paint and asbestos in the built environment. Due to differing legal restrictions and licensure requirements, these materials are beyond the scope of this standard. It is the responsibility of the building owner and/or operator to assure compliance with all regulations applicable within the jurisdiction. Does not address: fumigation and insecticidal fogging, ozone generating air cleaning devices, ultraviolet germicidal irradiation (UVGI) exposure from air cleaning devices, nor exposure limits for hydrofluoroalkane (HFA-134a). This Standard does not address cannabis-related biogenic volatile organic compounds (BVOCs). These BVOCs include thiols (also called volatile sulfur compounds, or VSCs) as part of their natural biological cycles. The VOCs emitted by cannabis include terpenes with main constituents as isoprene, monoterpenes, and sesquiterpenes. These terpenes are odorants with extremely low odor thresholds. At the time of this publication, the STP is not aware of any evidence that suggests health hazards are related to cannabis BVOC emissions at the typically observed concentrations. Does not include provisions for greenhouses.

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

Send comments (copy [psa@ansi.org](mailto: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>

### UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 | [Derrick.L.Martin@ul.org](mailto:Derrick.L.Martin@ul.org), <https://ul.org/>

#### ***Revision***

BSR/UL 94-202X, Standard for Safety for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances (revision of ANSI/UL 94-2021)

This project covers the following proposal topic: UL 94, 5VB Flame Result Judgment - Sample Consumption before 5th Flame Application. The original version of this topic was proposed by UL on December 17, 2021.

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

Send comments (copy [psa@ansi.org](mailto: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>

### UL (Underwriters Laboratories)

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

#### ***Revision***

BSR/UL 201-202x, Standard for Safety for Garage Equipment (revision of ANSI/UL 201-2021)

Proposed addition of IEC equivalent hazardous location designations.

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

Send comments (copy [psa@ansi.org](mailto: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: March 13, 2022

### UL (Underwriters Laboratories)

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

#### **Revision**

BSR/UL 1482-202X, Standard for Safety for Solid-Fuel Type Room Heaters (revision of ANSI/UL 1482-2020)

Topic 1: Edits to recent proposed changes to UL 1482 - Marking and Installation instructions. These requirements cover room heaters which are freestanding fire chamber assemblies of the circulating or direct radiation type.

These products are for attachment to a residential type chimney intended for use with low-heat appliances and shall be used to burn solid fuels specified by the manufacturer. These products shall be manually or thermostatically controlled.

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

Send comments (copy [psa@ansi.org](mailto: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: March 28, 2022

### AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 | [tambrosius@aafs.org](mailto:tambrosius@aafs.org), [www.aafs.org](http://www.aafs.org)

#### **New Standard**

BSR/ASB BPR 171-202x, Best Practice Recommendations for the Management and Use of Quality Assurance DNA Elimination Databases in Forensic DNA Analysis (new standard)

This document provides best practice recommendations for the collection, storing, searching, and retention of DNA elimination samples and/or profiles in a quality assurance database. This document addresses the use of elimination databases as one component of a comprehensive approach to detect and monitor contamination. Single copy price: Free

Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: <https://www.aafs.org/academy-standards-board>

Order from: Document will be provided electronically on AAFS Standards Board website (<https://www.aafs.org/academy-standards-board>) free of charge.

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

### AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 | [tambrosius@aafs.org](mailto:tambrosius@aafs.org), [www.aafs.org](http://www.aafs.org)

#### **New Standard**

BSR/ASB Std 078-202x, Standard for Training in Forensic Autosomal Short Tandem Repeat (STR) Data and Y-STR Data Interpretation and Comparison (new standard)

This standard defines the minimum requirements to be met in a forensic DNA analyst training program for autosomal and Y-STR data interpretation and comparison. This standard excludes training for DNA sequencing.

Single copy price: Free

Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: [www.aafs.org/academy-standards-board](http://www.aafs.org/academy-standards-board)

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

## Comment Deadline: March 28, 2022

### **AAFS (American Academy of Forensic Sciences)**

410 North 21st Street, Colorado Springs, CO 80904 | [tambrosius@aafs.org](mailto:tambrosius@aafs.org), [www.aafs.org](http://www.aafs.org)

#### ***New Standard***

BSR/ASB Std 079-202x, Standard for Training in the use of Combined DNA Index System (CODIS) (new standard)  
This standard defines the minimum requirements for training a forensic DNA analyst in the use of Combined DNA Index System (CODIS). This document excludes training for CODIS administrators.

Single copy price: Free

Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: [www.aafs.org/academy-standards-board](http://www.aafs.org/academy-standards-board).

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

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#### ***New Standard***

BSR/ASB Std 080-202x, Standard for Training in Forensic DNA Reporting and Review (new standard)  
This standard provides the minimum training requirements for analysts: (1) preparing forensic DNA reports and/or notifications; and (2) performing technical and/or administrative reviews on forensic DNA case records and reports.

Single copy price: Free

Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: [www.aafs.org/academy-standards-board](http://www.aafs.org/academy-standards-board)

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

### **AAFS (American Academy of Forensic Sciences)**

410 North 21st Street, Colorado Springs, CO 80904 | [tambrosius@aafs.org](mailto:tambrosius@aafs.org), [www.aafs.org](http://www.aafs.org)

#### ***New Standard***

BSR/ASB Std 081-202x, Standard for Training in the Use of Statistics in Interpretation of Forensic DNA Evidence (new standard)

This standard defines the minimum requirements for a training program in the use of statistical methods approved within the laboratory for interpretation of forensic DNA evidence.

Single copy price: Free

Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: [www.aafs.org/academy-standards-board](http://www.aafs.org/academy-standards-board)

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

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#### ***New Standard***

BSR/ASB Std 091-202x, Standard for Training in Analysis of Forensic Short Tandem Repeat (STR) Data (new standard)

This standard defines the minimum requirements in training programs for analysis of capillary electrophoresis data including autosomal STRs, X-STRs, and Y-STRs.

Single copy price: Free

Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: [www.aafs.org/academy-standards-board](http://www.aafs.org/academy-standards-board).

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#### ***New Standard***

BSR/ASB Std 137-202x, Standard for Examination and Documentation of Footwear and Tire Impression Evidence (new standard)

This standard provides the examination process and minimum documentation requirements for relevant observations and conclusions/interpretations encountered during footwear/tire-tread examinations. The required documentation as outlined in this standard will allow for an appropriate review. This document is not all-inclusive of the examinations that may be requested or conducted.

Single copy price: Free

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

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

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#### ***New Standard***

BSR/ASB Std 154-202x, Standard for Training on Testimony for Forensic Biology (new standard)

This document provides minimum training program requirements for forensic biology practitioners on scientific and legal principles necessary to testify.

Single copy price: Free

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](http://www.aafs.org/academy-standards-board).

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#### ***New Standard***

BSR/ASB Std 155-202x, Standard for Minimum Training Requirements for Forensic Document Examiners (new standard)

This standard sets minimum requirements for forensic document examiner basic training programs including requirements for trainees, FDE trainers, and program elements. The standard provides a required training program syllabus. Exclusion: This standard does not cover all aspects of training for the topics addressed or for unusual or uncommon examinations.

Single copy price: Free

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### **ANS (American Nuclear Society)**

555 North Kensington Avenue, La Grange Park, IL 60526 | [kmurdoch@ans.org](mailto:kmurdoch@ans.org), [www.ans.org](http://www.ans.org)

#### ***Reaffirmation***

BSR/ANS 2.10-2017 (R202x), Criteria for Retrieval, Processing, Handling, and Storage of Records from Nuclear Facility Seismic Instrumentation (reaffirmation of ANSI/ANS 2.10-2017)

This standard provides criteria for retrieval, processing, handling, and storage of data obtained from seismic instrumentation specified in ANSI/ANS 2.2-2016. The criteria will address both digital and analog seismic instrumentation. The standard focuses on strong ground motion data and is intended for use at nuclear power plants, and non-power nuclear facilities that utilize strong ground motion instrumentation.

Single copy price: \$140.00

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Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Patricia Schroeder; [pschroeder@ans.org](mailto:pschroeder@ans.org)

### **APTech (ASC CGATS) (Association for Print Technologies)**

113 Seaboard Lane, Suite C250, Franklin, TN 37067 | [dorf@aptech.org](mailto:dorf@aptech.org), [www.printtechnologies.org](http://www.printtechnologies.org)

#### ***Reaffirmation***

BSR IT8.6-2017 (R202x), Graphic technology - Prepress digital data exchange - Diecutting data (DDES3) (reaffirmation of ANSI IT8.6-2017)

This standard establishes a data exchange format to enable transfer of numerical control information between diecutting systems and between diecutting systems and electronic prepress systems. The information will typically consist of numerical control information used in the manufacture of dies.

Single copy price: \$39.00

Obtain an electronic copy from: [dorf@aptech.org](mailto:dorf@aptech.org)

Order from: Debra Orf; [dorf@aptech.org](mailto:dorf@aptech.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Debra Orf; [dorf@aptech.org](mailto:dorf@aptech.org)

## Comment Deadline: March 28, 2022

### ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | [ansibox@asme.org](mailto:ansibox@asme.org), [www.asme.org](http://www.asme.org)

#### Revision

BSR/ASME OM-202x, Operation and Maintenance of Nuclear Power Plants (revision of ANSI/ASME OM-2020) Establish the requirements for preservice and inservice testing and examination of certain components (ex: pumps, valves, pressure relief devices, dynamic restraints) to assess their operational readiness in light-water reactor power plants. It identifies the components subject to test or examination, responsibilities, methods, intervals, parameters to be measured and evaluated, criteria for evaluating the results, corrective action, personnel qualification, and record keeping.

Single copy price: Free

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Oliver Martinez; [martinezo@asme.org](mailto:martinezo@asme.org)

### AWWA (American Water Works Association)

6666 W. Quincy Avenue, Denver, CO 80235 | [polson@awwa.org](mailto:polson@awwa.org), [www.awwa.org](http://www.awwa.org)

#### Revision

BSR/AWWA B200-202x, Sodium Chloride (revision of ANSI/AWWA B200-2017)

This standard describes sodium chloride in the forms of rock, vacuum-granulated, compressed vacuum-granulated, solar, and compressed solar salt for use in the recharging of cation-exchange materials in water supply service for softening municipal and industrial potable water, wastewater, and reclaimed water supplies.

Single copy price: Free

Obtain an electronic copy from: [ETSsupport@awwa.org](mailto:ETSsupport@awwa.org)

Order from: Vicki David; [vdavid@awwa.org](mailto:vdavid@awwa.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Paul Olson; [polson@awwa.org](mailto:polson@awwa.org)

### CEMA (Conveyor Equipment Manufacturers Association)

1250 Tamiami Trail N, Suite 211, Naples, FL 34102 | [naylu@cemanet.org](mailto:naylu@cemanet.org), [www.cemanet.org](http://www.cemanet.org)

#### Revision

BSR/CEMA Standard No. 102-202x, Conveyor Terms and Definitions (revision of ANSI/CEMA Standard No. 102-2012)

Lists and defines 1,500 terms applying to conveyors, conveyor systems, and allied equipment.

Single copy price: Free

Obtain an electronic copy from: [naylu@cemanet.org](mailto:naylu@cemanet.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Naylu Garces; [naylu@cemanet.org](mailto:naylu@cemanet.org)

### CPA (Composite Panel Association)

19465 Deerfield Avenue, Suite 306, Leesburg, VA 20176 | [gheroux@cpamail.org](mailto:gheroux@cpamail.org), [www.CompositePanel.org](http://www.CompositePanel.org)

#### Revision

BSR A208.1-202x, Particleboard (revision of ANSI A208.1-2016)

The purpose of this Standard is to establish a nationally recognized voluntary consensus standard for particleboard which can serve as a common basis for understanding among those manufacturing, specifying, or using particleboard products.

Single copy price: Free

Obtain an electronic copy from: [gheroux@cpamail.org](mailto:gheroux@cpamail.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Gary Heroux; [gheroux@cpamail.org](mailto:gheroux@cpamail.org)

## Comment Deadline: March 28, 2022

### CPA (Composite Panel Association)

19465 Deerfield Avenue, Suite 306, Leesburg, VA 20176 | gheroux@cpamail.org, www.CompositePanel.org

#### **Revision**

BSR A208.2-202x, Medium Density Fiberboard (MDF) for Interior Applications (revision of ANSI A208.2-2016)

The purpose of this Standard is to establish a nationally recognized voluntary consensus standard for medium density fiberboard (MDF) which can serve as a common basis for understanding among those manufacturing, specifying, or using MDF products.

Single copy price: Free

Obtain an electronic copy from: gheroux@cpamail.org

Send comments (copy psa@ansi.org) to: Gary Heroux; gheroux@cpamail.org

### CTA (Consumer Technology Association)

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

#### **New Standard**

BSR/CTA 861.6-202x, Improvements on Audio and Video Signaling (new standard)

This document will include improvements to CTA-861-H, to include improvements on audio and video signaling.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

Order from: standards@cta.tech

Send comments (copy psa@ansi.org) to: Catrina Akers; cakery@cta.tech

### INMM (ASC N14) (Institute of Nuclear Materials Management)

1435 Ridgeview Road, Columbus, OH 43221 | N14secretary@gmail.com, www.inmm.org

#### **Revision**

BSR N14.5-202X, Leakage Tests on Packages for Shipment (revision of ANSI N14.5-2014)

This revision supersedes standard for Radioactive Materials - Leakage Tests on Packages for Shipment, ANSI N14.5-2014. The revised Standard provides acceptable methods for demonstrating that Type B packages designed for transport of normal-form radioactive material comply with the regulatory containment requirements specified in Title 10 of the Code of Federal Regulations, Part 71.

Single copy price: Free

Obtain an electronic copy from: N14secretary@gmail.com

Order from: N14secretary@gmail.com

Send comments (copy psa@ansi.org) to: N14secretary@gmail.com

## Comment Deadline: March 28, 2022

### PHTA (Pool and Hot Tub Alliance)

2111 Eisenhower Avenue, Suite 500, Alexandria, VA 22314 | [standards@phta.org](mailto:standards@phta.org), [www.PHTA.org](http://www.PHTA.org)

#### ***New Standard***

BSR/PHTA/ICC-2-202x, Standard for Public Pool and Spa Operations and Maintenance (new standard)

This standard is intended to cover the operations and maintenance of public pools, spas, and other aquatic venues intended to operate with or within recreational water quality standards. Design and construction of public pools and other aquatic venues are addressed in other standards. Residential pools and other water-containing amenities not intended for swimming, bathing, or wading shall not be considered to be included in the scope of this standard.

Single copy price: Free

Obtain an electronic copy from: [standards@phta.org](mailto:standards@phta.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: [standards@phta.org](mailto:standards@phta.org)

### UL (Underwriters Laboratories)

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

#### ***National Adoption***

BSR/UL 61010-2-012-202x, 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 (national adoption of IEC 61010-2-012 with modifications and revision of ANSI/UL 61010-2-012-2017)

This proposal is for the adoption of IEC 61010-2-012, 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 (second edition, issued by IEC April 2019) as a new IEC-based UL standard, UL 61010-2-012, with U.S. Differences.

Single copy price: Free

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### UL (Underwriters Laboratories)

333 Pflugsten Road, Northbrook, IL 60062-2096 | [Susan.P.Malohn@ul.org](mailto:Susan.P.Malohn@ul.org), <https://ul.org/>

#### ***New Standard***

BSR/UL 5840-202x, Standard for Safety for Electrical Systems of Battery-Powered Aviation Ground Support Equipment (new standard)

(1) The proposed first edition of the Standard for Safety for Electrical Systems of Battery Powered Aviation Ground Support Equipment, UL 5840, including applicable requirements for Canada. The Standard requirements cover the electrical system of a lithium-based battery --powered airport ground support equipment (GSE) with respect to a risk of fire, electric shock, and explosion hazards associated with the battery-powered electrical system. These requirements also cover these electrical systems when they are used to convert fueled GSE to battery-powered GSE.

Single copy price: Free

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## Comment Deadline: March 28, 2022

### UL (Underwriters Laboratories)

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

#### **Reaffirmation**

BSR/UL 1730-2007 (R202x), Standard for Smoke Detector Monitors and Accessories for Individual Living Units of Multifamily Residences and Hotel/Motel Rooms (reaffirmation of ANSI/UL 1730-2007 (R2017))

These requirements cover electrically operated smoke detector monitors intended to be used in ordinary indoor locations in accordance with the National Electrical Code, NFPA 70; the Life Safety Code, NFPA 101; and Chapter 2 of the National Fire Alarm Code, NFPA 72. In addition to smoke detector monitoring, a monitor covered by these requirements may provide for manual activation of alarm signals within the individual living units (whether integral with the smoke detectors or not) on either an individual or zone basis. These requirements do not cover automatic fire detectors or alerting devices not provided as part of the monitor, nor do they cover units intended for connection to smoke detectors that do not have integral sounding devices or are installed in common areas of multifamily dwellings.

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### UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 | [mitchell.gold@ul.org](mailto:mitchell.gold@ul.org), <https://ul.org/>

#### **Revision**

BSR/UL 347-202x, Standard for Safety for Medium-Voltage AC Contactors, Controllers, and Control Centers (revision of ANSI/UL 347-2020)

Ballot of the following topics: (1) Restructuring of Scope; (2) Chiller Duty or OEM Defined Duty for Motor Starting Reduced Voltage Autotransformers; (3) Wire Bending Space; (4) Requirement for Terminals; (5) Temperature Test Following Short Time Capability Test; (6) Revision of Table 2 to Add Higher Rated Insulation Systems; (7) Addition of Earthing Switch to UL 347; (8) Color Coding of Insulating Conductors.

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Send comments (copy [psa@ansi.org](mailto: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: March 28, 2022

### UL (Underwriters Laboratories)

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

#### Revision

BSR/UL 508A-202x, Standard for Safety for Industrial Control Panels (revision of ANSI/UL 508A-2020)  
Recirculation of the following proposals balloted July 16, 2021: (1) Limit for Ambient Temperature; (3) Include Reference in Scope to UL 67 regarding panelboard construction; (4) Clarification of branch and feeder circuit spacings; (6) Clarification of the requirements for an air outlet from a forced ventilation system located in the area occupied by an operator; (7) Alignment with NFPA 79 for GFCI for receptacles; (8) Alignment with NFPA 79 and NEC regarding the term used to indicate the full-load current; (9) Clarification of 31.3.3 for self-protected combination motor controllers; (12) Addition of reactors covered by UL 508; (13) Manual motor starters as overcurrent protection for control transformers; (14) UPS with supercapacitors; (15) Clarification of Overload relay heater table marking requirement; (16) Alternate enclosure types; (17) Enclosure access; (22) SCCR marking of required overcurrent protective device; (23) Overload protection exemption for TP, IP, and EP motor circuits; (24) Alternative testing of component bonding connection; (25) Interrupting rating versus short-circuit current rating; (26) Internal conductor ampacity requirements for power circuits; (27) Schematic wiring diagrams; and (28) Protection for variable-speed drives.

Single copy price: Free

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Send comments (copy [psa@ansi.org](mailto: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>

### UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [Jonette.A.Herman@ul.org](mailto:Jonette.A.Herman@ul.org), <https://ul.org/>

#### Revision

BSR/UL 2200-202x, Standard for Stationary Engine Generator Assemblies (revision of ANSI/UL 2200-2020)  
The following is proposed: (1) New Definition for Glossary; (2) Correction to Spacings, Table 25.1; (3) Medium voltage (MV) walk-in enclosure door mechanical interlock; (4) Generator assemblies with Diesel Exhaust Systems (DEF); (5) Addition of requirements for accessory equipment; (6) Revision to the test potential for medium voltage circuits in Table 69.1; (7) Correction to Rain Test Spray Head, Figure 103.2; (8) Updates to Referenced Publications.

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## **Comment Deadline: April 12, 2022**

### **ANS (American Nuclear Society)**

555 North Kensington Avenue, La Grange Park, IL 60526 | [kmurdoch@ans.org](mailto:kmurdoch@ans.org), [www.ans.org](http://www.ans.org)

#### ***Revision***

BSR/ANS 8.20-202x, Nuclear Criticality Safety Training (revision of ANSI/ANS 8.20-1991 (R2020))

This standard provides criteria for nuclear criticality safety training for operations with fissionable materials outside reactors.

Single copy price: \$52.00

Obtain an electronic copy from: [orders@ans.org](mailto:orders@ans.org)

Order from: [orders@ans.org](mailto:orders@ans.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Patricia Schroeder; [pschroeder@ans.org](mailto:pschroeder@ans.org)

### **IEEE (Institute of Electrical and Electronics Engineers)**

445 Hoes Lane, Piscataway, NJ 08854 | [k.evangelista@ieee.org](mailto:k.evangelista@ieee.org), [www.ieee.org](http://www.ieee.org)

#### ***Revision***

BSR/IEEE C37.121-202x, Guide for Switchgear - Unit Substation - Requirements (revision of ANSI/IEEE C37.121-2012)

The basis for the coordination of equipment in unit substations by assisting in the selection of components is intended as the use of this guide. A variety of designs for unit substations are possible using various combinations of incoming sections, transformer sections, outgoing sections, and transition sections. It is intended that the incoming, outgoing, transformer, and transition sections included in a unit substation meet the basic requirements of applicable industry standards for those sections. This guide covers three-phase unit substations for step-down operation in the range of 112.5 kVA or greater at primary voltages of 601 V through 52 kV.

Single copy price: \$61.00 (PDF); \$6.00 (Print)

Obtain an electronic copy from: <https://www.techstreet.com/ieee/searches/33858423>

Order from: <https://www.techstreet.com/ieee/searches/33858423>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Karen Evangelista; [k.evangelista@ieee.org](mailto:k.evangelista@ieee.org)

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Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to ([psa@ansi.org](mailto:psa@ansi.org)).

### **APTech (ASC CGATS) (Association for Print Technologies)**

113 Seaboard Lane, Suite C250, Franklin, TN 37067 | [dorf@aptech.org](mailto:dorf@aptech.org), [www.printtechnologies.org](http://www.printtechnologies.org)

#### ***Revised Technical Report***

CGATS/IDEAlliance TR 015-2015, Graphic Technology - Methodology for Establishing Printing Aims Based on a Shared Near-Neutral Gray-Scale (revise technical report)

This Technical Report defines a methodology for establishing individual printing tone reproduction and near-neutral gray-scale aims, and families thereof, based on a shared near-neutral gray-scale definition. This methodology can be used to establish such aims for any CMYK printing system regardless of the printing process used or gamut involved.

## Project Withdrawn

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

### **HL7 (Health Level Seven)**

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 | [Karenvan@HL7.org](mailto:Karenvan@HL7.org), [www.hl7.org](http://www.hl7.org)

BSR/HL7 CDAR2 IG QRDOC, R1-202x, HL7 CDA R2 Implementation Guide: Questionnaire Response Document, Release 1 (new standard)

Inquiries may be directed to Karen Van Hentenryck; [Karenvan@HL7.org](mailto:Karenvan@HL7.org)

### **HL7 (Health Level Seven)**

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 | [Karenvan@HL7.org](mailto:Karenvan@HL7.org), [www.hl7.org](http://www.hl7.org)

BSR/HL7 CDAR2 IG SFDEFDOC, R1-202x, HL7 CDA R2 Implementation Guide: Structured Form Definition Document, Release 1 (new standard)

Inquiries may be directed to Karen Van Hentenryck; [Karenvan@HL7.org](mailto:Karenvan@HL7.org)

## **Withdrawal of an ANS by ANSI-Accredited Standards Developer**

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

### **AHAM (Association of Home Appliance Manufacturers)**

1111 19th Street N.W., Suite 402, Washington, DC 20036 | [mwilliams@aham.org](mailto:mwilliams@aham.org), [www.aham.org](http://www.aham.org)

ANSI/AHAM PAC-1-2015, Portable Air Conditioners

Questions may be directed to: Matthew Williams; [mwilliams@aham.org](mailto:mwilliams@aham.org)

### **AHAM (Association of Home Appliance Manufacturers)**

1111 19th Street N.W., Suite 402, Washington, DC 20036 | [mwilliams@aham.org](mailto:mwilliams@aham.org), [www.aham.org](http://www.aham.org)

ANSI/AHAM RAC-1-2015, Room Air Conditioners

Questions may be directed to: Matthew Williams; [mwilliams@aham.org](mailto:mwilliams@aham.org)

### **HL7 (Health Level Seven)**

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 | [Karenvan@HL7.org](mailto:Karenvan@HL7.org), [www.hl7.org](http://www.hl7.org)

ANSI/HL7 V3 CS CMET, R1-2016, HL7 Version 3 Standard: Clinical Statement CMETs, Release 1

Questions may be directed to: Karen Van Hentenryck; [Karenvan@HL7.org](mailto:Karenvan@HL7.org)

# Final Actions on American National Standards

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

---

## **AAFS (American Academy of Forensic Sciences)**

410 North 21st Street, Colorado Springs, CO 80904 | [tambrosius@aafs.org](mailto:tambrosius@aafs.org), [www.aafs.org](http://www.aafs.org)

### *New Standard*

ANSI/AAFS ASB BPR 052-2022, Best Practice Recommendation for the Detection and Collection of Footwear and Tire Impression Evidence (new standard) Final Action Date: 2/4/2022

### *New Standard*

ANSI/ASB STD 096-2022, Standard Method for the Examination and Documentation of Ammunition and Ammunition Components (new standard) Final Action Date: 2/4/2022

## **AAMI (Association for the Advancement of Medical Instrumentation)**

901 N. Glebe Road, Suite 300, Arlington, VA 22203 | [standards@aami.org](mailto:standards@aami.org), [www.aami.org](http://www.aami.org)

### *Addenda*

ANSI/AAMI ES60601-1-2005/A2-2021, Medical electrical equipment - Part 1: General requirements for basic safety and essential performance - Amendment 2 (addenda to ANSI/AAMI ES60601-1-2005 C1-2009 and A2 (R2012)) Final Action Date: 2/1/2022

### *Addenda*

ANSI/AAMI/IEC 60601-1-2-2014/A1-2021, Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral standard: Electromagnetic disturbances - Requirements and tests - Amendment 1 (addenda to ANSI/AAMI/IEC 60601-1-2-2014) Final Action Date: 2/1/2022

### *Addenda*

ANSI/AAMI/IEC 60601-1-8-2008/A2-2021, Medical electrical equipment - Part 1-8: General requirements for basic safety and essential performance - Collateral standard: General requirements, tests and guidance for alarm systems in medical electrical equipment - Amendment 2 (addenda to ANSI/AAMI/IEC 60601-1-8-2013) Final Action Date: 2/1/2022

### *Addenda*

ANSI/AAMI/IEC 60601-1-12-2016/A1-2021, Medical electrical equipment - Part 1-12: General requirements for basic safety and essential performance - Collateral standard: Requirements for ME equipment and ME systems used in the emergency medical services environment - Amendment 1 (addenda to ANSI/AAMI/IEC 60601-1-12-2016) Final Action Date: 2/1/2022

### *New Standard*

ANSI/AAMI 2700-2-1-2022, Medical Devices and Medical Systems - Essential safety and performance requirements for equipment comprising the patient-centric integrated clinical environment (ICE) - Part 2-1: Particular requirements or forensic data logging (new standard) Final Action Date: 2/1/2022

## **ALI (Automotive Lift Institute)**

PO Box 85, 3699 Luker Road, Cortland, NY 13045 | [info@autolift.org](mailto:info@autolift.org), [www.autolift.org](http://www.autolift.org)

### *Revision*

ANSI/ALI ALIS-2022, Standard for Automotive Lifts - Safety Requirements for Installation and Service (revision of ANSI/ALI ALIS:2009 (R2015)) Final Action Date: 2/4/2022

**ANS (American Nuclear Society)**

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

*Reaffirmation*

ANSI/ANS 58.14-2011 (R2022), Safety and Pressure Integrity Classification Criteria for Light Water Reactors (reaffirmation of ANSI/ANS 58.14-2011 (R2017)) Final Action Date: 2/4/2022

**ASME (American Society of Mechanical Engineers)**

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

*Revision*

ANSI/ASME NQA-1-2022, Quality Assurance Requirements for Nuclear Facility Applications (revision of ANSI/ASME NQA-1-2019) Final Action Date: 2/2/2022

**ASTM (ASTM International)**

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

*New Standard*

ANSI/ASTM F3536-2022, Specification for PE and PP Mechanical Fittings for Use on NPS 3 or Smaller Cold-Water Service Polyethylene (PE) or Crosslinked Polyethylene (PEX) Pipe or Tubing (new standard) Final Action Date: 2/1/2022

*New Standard*

ANSI/ASTM F3539-2022, Standard Practice for Creation of Walkway Tribometer Interlaboratory Study Reports and Test Procedures (new standard) Final Action Date: 2/1/2022

*New Standard*

ANSI/ASTM F3543-2022, Terminology for Hunting Saddles (new standard) Final Action Date: 2/1/2022

*New Standard*

ANSI/ASTM F3545-2022, Test Method for Static Loading of Treestands, Climbing Sticks, and Tripod or Tower Stands (new standard) Final Action Date: 1/25/2022

*Reaffirmation*

ANSI/ASTM F670-2002 (R2022), Specification for Tanks, 5 and 10-Gal (20 and 40-L) Lube Oil Dispensing (reaffirmation of ANSI/ASTM F670-2012 (R2017)) Final Action Date: 1/25/2022

*Reaffirmation*

ANSI/ASTM F987-2004 (R2022), Specification for Portable Intermediate Flush Deck Stanchion (reaffirmation of ANSI/ASTM F987-2004 (R2017)) Final Action Date: 1/25/2022

*Revision*

ANSI/ASTM E1776-2022, Guide for Development of Fire-Risk-Assessment Standards (revision of ANSI/ASTM E1776-2016) Final Action Date: 2/1/2022

*Revision*

ANSI/ASTM E3020-2022, Practice for Ignition Sources (revision of ANSI/ASTM E3020-2016A) Final Action Date: 2/1/2022

*Revision*

ANSI/ASTM F3012-2022, Specification for Loose-Fill Rubber for Use as a Playground Safety Surface under and around Playground Equipment (revision of ANSI/ASTM F3012-2014) Final Action Date: 2/1/2022

**AWWA (American Water Works Association)**

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

*Revision*

ANSI/AWWA C213-2022, Fusion-Bonded Epoxy Coatings and Linings for Steel Water Pipe and Fittings (revision of ANSI/AWWA C213-2015) Final Action Date: 2/4/2022

**CSA (CSA America Standards Inc.)**

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

*Reaffirmation*

ANSI Z21.40.2-1996 (R2022) and Z21.40.2a-1997 (R2022), Gas-Fired, Work-Activated Air-Conditioning and Heat Pump Appliances (reaffirmation of ANSI Z21.40.2-1996 (R2017) and Z21.40.2a-1997 (R2017)) Final Action Date: 2/3/2022

*Reaffirmation*

ANSI Z21.40.4-1996 (R2022) and Z21.40.4a-1998 (R2022), Performance Testing and Rating of Gas-Fired, Air Conditioning and Heat Pump Appliances (reaffirmation of ANSI Z21.40.4-1996 (R2017) and Z21.40.4a-1998 (R2017)) Final Action Date: 2/3/2022

**CTA (Consumer Technology Association)**

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

*\* Revision*

ANSI/CTA 2056-A-2022, Physical Activity Monitoring for Step Counting (revision and redesignation of ANSI/CTA 2056) Final Action Date: 2/1/2022

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

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

*New Standard*

ANSI/ASSE Series 27000-2022, Professional Qualifications Standard for Hybrid Fire Extinguishing Systems Personnel (new standard) Final Action Date: 2/4/2022

**MHI (Material Handling Industry)**

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

*Revision*

ANSI MH28.2-2022, Design, Testing, and Utilization of Industrial Boltless Steel Shelving (revision of ANSI MH28.2-2018) Final Action Date: 2/4/2022

*Revision*

ANSI MH28.3-2022, Design, Testing, and Utilization of Industrial Steel Work Platforms (revision of ANSI MH28.3-2018) Final Action Date: 2/1/2022

**MSS (Manufacturers Standardization Society)**

127 Park Street, NE, Vienna, VA 22180-4602 | standards@msshq.org, www.mss-hq.org

*Revision*

ANSI/MSS SP-135-2022, High-Pressure Knife Gate Valves (revision of ANSI/MSS SP-135-2016) Final Action Date: 2/1/2022

**NEMA (ASC C8) (National Electrical Manufacturers Association)**

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

*Revision*

ANSI ICEA S-83-596-2022, Standard for Indoor Optical Cable (revision of ANSI/ICEA S-83-596-2016) Final Action Date: 2/2/2022

**RESNET (Residential Energy Services Network, Inc.)**

4867 Patina Court, Oceanside, CA 92057 | rick.dixon@resnet.us, www.resnet.us.com

*Revision*

ANSI/RESNET/ICC 301-2022, Standard for the Calculation and Labeling of the Energy Performance of Dwelling and Sleeping Units using an Energy Rating Index (revision, redesignation and consolidation of ANSI/RESNET/ICC 301-2019, ANSI/RESNET/ICC 301-2019, Addendum A-2019, ANSI/RESNET/ICC 301-2019, Addendum B-2020) Final Action Date: 2/3/2022

**TIA (Telecommunications Industry Association)**

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

*\* Revision*

ANSI/TIA 4966-A-2022, Telecommunications Infrastructure Standard for Educational Facilities (revision and redesignation of ANSI/TIA 4966-2014) Final Action Date: 2/3/2022

**UL (Underwriters Laboratories)**

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

*Reaffirmation*

ANSI/UL 61010-2-020-2016 (R2022), Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-020: Particular Requirements for Laboratory Centrifuges (reaffirmation of ANSI/UL 61010-2-020-2016) Final Action Date: 2/4/2022



# Call for Members (ANS Consensus Bodies)

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

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## **APTech (ASC CGATS) (Association for Print Technologies)**

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

BSR IT8.6-2017 (R202x), Graphic technology - Prepress digital data exchange - Diecutting data (DDES3) (reaffirmation of ANSI IT8.6-2017)

## **ARESCA (American Renewable Energy Standards and Certification Association)**

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

BSR/ARESCA 61400-3-1-202x, Wind energy generation systems - Part 3-1: Design requirements for fixed offshore wind turbines (identical national adoption of IEC 61400-3-1:2019)

BSR/ARESCA 61400-3-2-202x, Wind energy generation systems - Part 3-2: Design requirements for floating offshore wind turbines (identical national adoption of IEC TS 61400-3-2:2019)

## **CEMA (Conveyor Equipment Manufacturers Association)**

1250 Tamiami Trail N, Suite 211, Naples, FL 34102 | naylu@cemanet.org, www.cemanet.org

BSR/CEMA Standard No. 102-202x, Conveyor Terms and Definitions (revision of ANSI/CEMA Standard No. 102-2012)

## **CTA (Consumer Technology Association)**

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

BSR/CTA 861.6-202x, Improvements on Audio and Video Signaling (new standard)

CTA is seeking new members to join the consensus body. CTA and the R4 Video Systems Intelligent Mobility Committee are particularly interested in adding new members (called "users" who acquire video products from those who create them) as well as those with a general interest.

## **INMM (ASC N14) (Institute of Nuclear Materials Management)**

1435 Ridgeview Road, Columbus, OH 43221 | N14secretary@gmail.com, www.inmm.org

BSR N14.5-202X, Leakage Tests on Packages for Shipment (revision of ANSI N14.5-2014)

## **ISA (International Society of Automation)**

67 Alexander Drive, Research Triangle Park, NC 27709 | crobinson@isa.org, www.isa.org

BSR/ISA 106.00.03-202x, Procedure Automation for Continuous Process Operations (new standard)

## **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 564-202x, Information technology - Remote Direct Memory Access over Fibre Channel (FC-RDMA) (new standard)

## **NSF (NSF International)**

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

BSR/NSF 2-202x (i32r3), Food Equipment (revision of ANSI/NSF 2-2019)

**NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | [mleslie@nsf.org](mailto:mleslie@nsf.org), [www.nsf.org](http://www.nsf.org)

BSR/NSF/CAN 61-202x (i160r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2021)

**RVIA (Recreational Vehicle Industry Association)**

3333 Middlebury Street, Elkhart, IN 46516 | [treamer@rvia.org](mailto:treamer@rvia.org), [www.rvia.org](http://www.rvia.org)

BSR/RVIA TSIC-1-202x, Recommended Practice Process Controls for Assembly of Wheels on Trailers (revision of ANSI/RVIA TSIC-1-2018)

**TIA (Telecommunications Industry Association)**

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org), [www.tiaonline.org](http://www.tiaonline.org)

BSR/TIA 568.4-E-202x, Broadband Coaxial Cabling and Components Standard (revision and redesignation of ANSI/TIA 568.4-D-2017)

BSR/TIA 568.5-1-202x, Balanced Single Twisted-Pair Telecommunications Cabling and Components Standard - Addendum 1: Corrections (new standard)

BSR/TIA 569-E-1-202x, Telecommunications Pathways and Spaces - Addendum 1: Revised Temperature and Humidity Guidelines for Telecommunications Spaces (addenda to ANSI/TIA 569-E-2019)

BSR/TIA 1183-B-202x, Measurement Methods and Test Fixtures for Balun-less Measurements of Balanced Components and Systems (revision and redesignation of ANSI/TIA 1183-A-2017)

**UL (Underwriters Laboratories)**

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [Annabelle.Hollen@ul.org](mailto:Annabelle.Hollen@ul.org), <https://ul.org/>

BSR/UL 1730-2007 (R202x), Standard for Smoke Detector Monitors and Accessories for Individual Living Units of Multifamily Residences and Hotel/Motel Rooms (reaffirmation of ANSI/UL 1730-2007 (R2017))

# Call for Members (ANS Consensus Bodies)

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## 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 affected 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](mailto: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 categories:

- Service Providers
- Users
- Standards Development Organizations and Consortia
- Academic Institutions

## 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](http://www.scte.org) or by e-mail from [standards@scte.org](mailto:standards@scte.org).

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](http://www.scte.org) or by e-mail from [standards@scte.org](mailto:standards@scte.org).

## Accreditation Announcements (Standards Developers)

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### Approval of Reaccreditation – ASD

#### APA - The Engineered Wood Association

Effective February 8, 2022

The reaccreditation of **APA - The Engineered Wood Association** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on APA-sponsored American National Standards, effective **February 8, 2022**. For additional information, please contact: Borjen Yeh, APA - The Engineered Wood Association (APA) | 7011 South 19th Street, Tacoma, WA 98466 | (253) 620-7467, borjen.yeh@apawood.org

### Approval of Reaccreditation – ASD

#### OPEI - Outdoor Power Equipment Institute

Effective February 8, 2022

ANSI's Executive Standards Council has approved the reaccreditation of **OPEI - Outdoor Power Equipment Institute**, under its recently revised operating procedures for documenting consensus on OPEI-sponsored American National Standards, effective **February 8, 2022**. For additional information, please contact: Greg Knott, Outdoor Power Equipment Institute (OPEI) | 1605 King Street, Alexandria, VA 22314 | (703) 549-7600, gknott@opei.org

# Meeting Notices (Standards Developers)

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## ANSI Accredited Standards Developer

### A3 - Association for Advancing Automation

#### Meeting Times March & April 2022

#### **ANSI-Accredited Standards Committee: R15.06, Industrial Robot Safety**

Meeting Format & Location: Hybrid; In-person in Memphis, TN; Remote via GoToMeeting

Meeting Sponsor/Host: FedEx; The University of Memphis

Purpose: SAC Comment resolution for TR 906; Prepare for update of R15.06 (U.S. national adoption of ISO 10218-1,2, which is being updated)

Day/Date/Time: Monday, March 7, 2022; 8:30 AM – 4:45 PM (Central Time) / 6:30 AM – 2:45 PM (PT)

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

Meeting (1) Meeting Format & Location: Hybrid; In-person in Memphis, TN; Remote via GoToMeeting

Meeting Sponsor/Host: FedEx; The University of Memphis

Purpose: R15.08 Committee Internal Comment resolution for R15.08 Part 2

Day/Date/Time: Wednesday, March 9, 2022 9:30 AM (Central Time) – Thursday, March 10, 2022, 4:45 PM (CT)

Meeting (2) Meeting Format & Location: Remote via GoToMeeting

Meeting Sponsor/Host: A3, the Association for Advancing Automation

Purpose: Complete Committee Internal Comment resolution for R15.08 Part 2, if not completed at in-person (hybrid) meeting March 9 & 10, 2022; arrive at consensus that the R15.08 Part 2 is ready for balloting to the R15 SAC

Day/Date/Time: The meeting will be held in several sessions as follows:

Virtual Session #1: Tuesday, March 15, 2022; 10:00 AM – 12:00 noon (Eastern Time) / 7:00 AM – 9:00 AM (PT)

Virtual Session #2: Thursday, March 17, 2022; 10:00 AM – 12:00 noon (ET) / 7:00 AM – 9:00 AM (PT)

Virtual Session #3: Tuesday, March 22, 2022; 10:00 AM – 12:00 noon (ET) / 7:00 AM – 9:00 AM (PT)

Virtual Session #4: Thursday, March 24, 2022; 10:00 AM – 12:00 noon (ET) / 7:00 AM – 9:00 AM (PT)

Virtual Session #5: Tuesday, April 5, 2022; 10:00 AM – 12:00 noon (ET) / 7:00 AM – 9:00 AM (PT)

Virtual Session #6: Thursday, April 7, 2022; 10:00 AM – 12:00 noon (ET) / 7:00 AM – 9:00 AM (PT)

Note: Some or all of these meeting sessions could be cancelled if not needed.

#### **ANSI-Accredited Standards Committee: R15 Standards Approval Committee (SAC) (consensus body)**

Meeting Format & Location: Hybrid; In-person in Memphis, TN; Remote via GoToMeeting

Meeting Sponsor/Host: FedEx; The University of Memphis

Purpose: Discuss Administrative Procedures for R15 committees; discuss current or upcoming documents for ballot

Day/Date/Time: Friday, March 11, 2022; 8:30 AM – 11:30 AM (CT)

For More Information: Contact Carole Franklin, [cfranklin@automate.org](mailto:cfranklin@automate.org).

## American National Standards (ANS) Process

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Please visit ANSI's website ([www.ansi.org](http://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](http://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](http://www.ansi.org))

- ANSI Essential Requirements: Due process requirements for American National Standards (always current edition): [www.ansi.org/essentialrequirements](http://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](http://www.ansi.org/standardsaction)
- Accreditation information – for potential developers of American National Standards (ANS): [www.ansi.org/sdoaccreditation](http://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](http://www.ansi.org/asd)
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: [www.ansi.org/asd](http://www.ansi.org/asd)
- American National Standards Key Steps: [www.ansi.org/anskeysteps](http://www.ansi.org/anskeysteps)
- American National Standards Value: [www.ansi.org/ansvalue](http://www.ansi.org/ansvalue)
- ANS Web Forms for ANSI-Accredited Standards Developers - PINS, BSR8|108, BSR11, Technical Report: <https://www.ansi.org/portal/psawebforms/>
- Information about standards Incorporated by Reference (IBR): <https://ibr.ansi.org/>
- ANSI - Education and Training: [www.standardslearn.org](http://www.standardslearn.org)

# American National Standards Under Continuous Maintenance

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

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

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

- 
- AAMI (Association for the Advancement of Medical Instrumentation)
  - AARST (American Association of Radon Scientists and Technologists)
  - AGA (American Gas Association)
  - AGSC (Auto Glass Safety Council)
  - ASC X9 (Accredited Standards Committee X9, Incorporated)
  - ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
  - ASME (American Society of Mechanical Engineers)
  - ASTM (ASTM International)
  - GBI (Green Building Initiative)
  - HL7 (Health Level Seven)
  - Home Innovation (Home Innovation Research Labs)
  - IES (Illuminating Engineering Society)
  - ITI (InterNational Committee for Information Technology Standards)
  - MHI (Material Handling Industry)
  - NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
  - NCPDP (National Council for Prescription Drug Programs)
  - NEMA (National Electrical Manufacturers Association)
  - 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)
  - UL (Underwriters Laboratories)

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](http://www.ansi.org/asd), select “American National Standards Maintained Under Continuous Maintenance.” Questions? [psa@ansi.org](mailto: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](mailto:psa@ansi.org).

## AAFS

American Academy of Forensic Sciences  
410 North 21st Street  
Colorado Springs, CO 80904  
[www.aafs.org](http://www.aafs.org)

Teresa Ambrosius  
[tambrosius@aafs.org](mailto:tambrosius@aafs.org)

## AAMI

Association for the Advancement of  
Medical Instrumentation  
901 N. Glebe Road, Suite 300  
Arlington, VA 22203  
[www.aami.org](http://www.aami.org)

Hae Choe  
[standards@aami.org](mailto:standards@aami.org)

Ladan Bulookbashi  
[LBulookbashi@aami.org](mailto:LBulookbashi@aami.org)

## ADA (Organization)

American Dental Association  
211 East Chicago Avenue  
Chicago, IL 60611  
[www.ada.org](http://www.ada.org)

Paul Bralower  
[bralowerp@ada.org](mailto:bralowerp@ada.org)

## ALI

Automotive Lift Institute  
PO Box 85, 3699 Luker Road  
Cortland, NY 13045  
[www.autolift.org](http://www.autolift.org)

Bob O'Gorman  
[info@autolift.org](mailto:info@autolift.org)

## ANS

American Nuclear Society  
555 North Kensington Avenue  
La Grange Park, IL 60526  
[www.ans.org](http://www.ans.org)

Kathryn Murdoch  
[kmurdoch@ans.org](mailto:kmurdoch@ans.org)

## APTech (ASC CGATS)

Association for Print Technologies  
113 Seaboard Lane, Suite C250  
Franklin, TN 37067  
[www.printtechnologies.org](http://www.printtechnologies.org)

Debra Orf  
[dorf@aptech.org](mailto:dorf@aptech.org)

## ARESCA

American Renewable Energy Standards  
and Certification Association  
256 Farrell Farm Road  
Norwich, VT 05055  
[www.aresca.us](http://www.aresca.us)

George Kelly  
[secretary@aresca.us](mailto:secretary@aresca.us)

## ASME

American Society of Mechanical Engineers  
Two Park Avenue, M/S 6-2B  
New York, NY 10016  
[www.asme.org](http://www.asme.org)

Terrell Henry  
[ansibox@asme.org](mailto:ansibox@asme.org)

## ASTM

ASTM International  
100 Barr Harbor Drive  
West Conshohocken, PA 19428  
[www.astm.org](http://www.astm.org)

Corice Leonard  
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Laura Klineburger  
[accreditation@astm.org](mailto:accreditation@astm.org)

## AWWA

American Water Works Association  
6666 W. Quincy Avenue  
Denver, CO 80235  
[www.awwa.org](http://www.awwa.org)

Paul Olson  
[polson@awwa.org](mailto:polson@awwa.org)

## CEMA

Conveyor Equipment Manufacturers  
Association  
1250 Tamiami Trail N, Suite 211  
Naples, FL 34102  
[www.cemanet.org](http://www.cemanet.org)

Naylu Garces  
[naylu@cemanet.org](mailto:naylu@cemanet.org)

## CPA

Composite Panel Association  
19465 Deerfield Avenue, Suite 306  
Leesburg, VA 20176  
[www.CompositePanel.org](http://www.CompositePanel.org)

Gary Heroux  
[gheroux@cpamail.org](mailto:gheroux@cpamail.org)

## CSA

CSA America Standards Inc.  
8501 East Pleasant Valley Road  
Cleveland, OH 44131  
[www.csagroup.org](http://www.csagroup.org)

Debbie Chesnik  
[ansi.contact@csagroup.org](mailto:ansi.contact@csagroup.org)

## CTA

Consumer Technology Association  
1919 S. Eads Street  
Arlington, VA 22202  
[www.cta.tech](http://www.cta.tech)

Catrina Akers  
[cakers@cta.tech](mailto:cakers@cta.tech)

## IAPMO (ASSE Chapter)

ASSE International Chapter of IAPMO  
18927 Hickory Creek Drive, Suite 220  
Mokena, IL 60448  
[www.asse-plumbing.org](http://www.asse-plumbing.org)

Marianne Waickman  
[marianne.waickman@asse-plumbing.org](mailto:marianne.waickman@asse-plumbing.org)

## IEEE

Institute of Electrical and Electronics  
Engineers  
445 Hoes Lane  
Piscataway, NJ 08854  
[www.ieee.org](http://www.ieee.org)

Karen Evangelista  
[k.evangelista@ieee.org](mailto:k.evangelista@ieee.org)

## INMM (ASC N14)

Institute of Nuclear Materials Management  
1435 Ridgeview Road  
Columbus, OH 43221  
[www.inmm.org](http://www.inmm.org)

Steve Maheras  
[N14secretary@gmail.com](mailto:N14secretary@gmail.com)



## ANSI-Accredited Standards Developers Contact Information

**ISA (Organization)**

International Society of Automation  
67 Alexander Drive  
Research Triangle Park, NC 27709  
www.isa.org

Charley Robinson  
crobinson@isa.org

**ITI (INCITS)**

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

Rachel Porter  
comments@standards.incits.org

**MHI**

Material Handling Industry  
8720 Red Oak Boulevard, Suite 201  
Charlotte, NC 28217  
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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](mailto: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](mailto: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](mailto: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

### Additive manufacturing (TC 261)

ISO/ASTM DIS 52926-3, Additive Manufacturing of metals - Qualification principles - Part 3: Qualification of operators for PBF-EB - 12/6/2021, \$46.00

ISO/ASTM DIS 52926-2, Additive Manufacturing of metals - Qualification principles - Part 2: Qualification of operators for PBF-LB - 12/6/2021, \$46.00

ISO/ASTM DIS 52926-4, Additive Manufacturing of metals - Qualification principles - Part 4: Qualification of operators for DED-LB - 12/6/2021, \$46.00

ISO/ASTM DIS 52926-5, Additive Manufacturing of metals - Qualification principles - Part 5: Qualification of operators for DED-Arc - 12/6/2021, \$46.00

ISO/ASTM DIS 52926-1, Additive Manufacturing of metals - Qualification principles - Part 1: General qualification of operators - 12/6/2021, \$46.00

### Agricultural food products (TC 34)

ISO/DIS 5671, Spices and condiments - Dried chive (*Allium schoenoprasum* L.), cut and ground - Specification - 12/5/2021, \$33.00

ISO/FDIS 8196-3, Milk - Definition and evaluation of the overall accuracy of alternative methods of milk analysis - Part 3: Protocol for the evaluation and validation of alternative quantitative methods of milk analysis - 1/26/2020, \$107.00

### Aircraft and space vehicles (TC 20)

ISO/FDIS 23835, Space Systems - Mechanism design and verification - 4/16/2021, \$98.00

ISO/DIS 24352, Technical requirements for small unmanned aircraft electric energy systems - 12/5/2021, \$88.00

### Applications of statistical methods (TC 69)

ISO/DIS 7870-2, Control charts - Part 2: Shewhart control charts - 12/5/2021, \$119.00

### Building construction (TC 59)

ISO/DIS 12911, Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - Framework for specification of building information modelling (BIM) implementation - 12/5/2021, \$82.00

### Corrosion of metals and alloys (TC 156)

ISO/FDIS 12696, Cathodic protection of steel in concrete - 12/17/2020, \$125.00

ISO/FDIS 24656, Cathodic protection of offshore wind structures - 8/20/2020, \$165.00

### Cycles (TC 149)

ISO/DIS 11243, Cycles - Luggage carriers for bicycles - Requirements and test methods - 12/5/2021, \$98.00

### Dentistry (TC 106)

ISO/DIS 5139, Dentistry - Polymer-based composite machinable blanks - 12/5/2021, \$71.00

ISO/DIS 8325, Dentistry - Test methods for rotary instruments - 12/6/2021, \$58.00

ISO/DIS 20749, Dentistry - Pre-capsulated dental amalgam - 12/5/2021, \$102.00

### Documents and data elements in administration, commerce and industry (TC 154)

ISO/DIS 15000-3, Electronic business eXtensible Markup Language (eBXML) - Part 3: Registry and repository - 12/5/2021, \$175.00

**Environmental management (TC 207)**

ISO/DIS 14020, Environmental statements and programmes for products - Principles and general requirements - 4/21/2022, \$93.00

**Ergonomics (TC 159)**

ISO/FDIS 15537, Principles for selecting and using test persons for testing anthropometric aspects of industrial products and designs - 3/7/2021, \$53.00

**Ferrous metal pipes and metallic fittings (TC 5)**

ISO/DIS 24131-1, Internal protection by polymeric lining for ductile iron pipes - Part 1: polyurethane lining - 4/21/2022, \$67.00

ISO/DIS 24131-2, Internal protection by polymeric lining for ductile iron pipes - Part 2: epoxy lining - 4/21/2022, \$67.00

**Fine Bubble Technology (TC 281)**

ISO/DIS 24218-1, Fine bubble technology - Characterization of fine bubbles - Part 1: Evaluation of size and concentration indices by Laser Diffraction method - 12/5/2021, \$58.00

**Fluid power systems (TC 131)**

ISO/FDIS 6149-1, Connections for hydraulic fluid power and general use - Ports and stud ends with ISO 261 metric threads and O-ring sealing - Part 1: Ports with truncated housing for O-ring seal -, \$40.00

**Geographic information/Geomatics (TC 211)**

ISO/DIS 19115-3, Geographic information - Metadata - Part 3: XML schema implementation for fundamental concepts - 12/5/2021, \$125.00

ISO/DIS 19160-4, Addressing - Part 4: International postal address components and template language - 12/5/2021, \$134.00

**Human resource management (TC 260)**

ISO/FDIS 30422, Human resource management - Learning and development - 11/12/2020, \$71.00

**Light metals and their alloys (TC 79)**

ISO/DIS 21334, Titanium and titanium alloys - Strip for welded tubes - Technical delivery conditions - 12/6/2021, \$62.00

**Mechanical vibration and shock (TC 108)**

ISO/FDIS 22266-1, Mechanical vibration - Torsional vibration of rotating machinery - Part 1: Evaluation of steam and gas turbine generator sets due to electrical excitation - 5/9/2021, \$107.00

**Nuclear energy (TC 85)**

ISO/DIS 6980-1, Nuclear energy - Reference beta-particle radiation - Part 1: Methods of production - 12/5/2021, \$82.00

ISO/DIS 6980-2, Nuclear energy - Reference beta-particle radiation - Part 2: Calibration fundamentals related to basic quantities characterizing the radiation field - 12/5/2021, \$112.00

ISO/DIS 6980-3, Nuclear energy - Reference beta-particle radiation - Part 3: Calibration of area and personal dosimeters and the determination of their response as a function of beta radiation energy and angle of incidence - 12/5/2021, \$88.00

ISO/DIS 16659-1, Ventilation systems for nuclear facilities - In-situ efficiency test methods for iodine traps with solid sorbent - Part 1: General requirements - 12/6/2021, \$77.00

ISO/DIS 20785-3, Dosimetry for exposures to cosmic radiation in civilian aircraft - Part 3: Measurements at aviation altitudes - 12/5/2021, \$67.00

**Optics and optical instruments (TC 172)**

ISO/DIS 23701, Optics and photonics - Laser and laser-related equipment - Photothermal technique for absorption measurement and mapping of optical laser components - 4/18/2022, \$82.00

**Personal safety - Protective clothing and equipment (TC 94)**

ISO/FDIS 23616, Cleaning, inspection and repair of firefighters personal protective equipment (PPE) - 11/13/2020, \$107.00

ISO/FDIS 12312-3, Eye and face protection - Sunglasses and related eyewear - Part 3: Sunglasses for running, cycling and similar active lifestyles - 2/26/2021, \$46.00

**Photography (TC 42)**

ISO/DIS 12233, Photography - Electronic still picture imaging - Resolution and spatial frequency responses - 12/5/2021, \$134.00

ISO/DIS 18937-2, Imaging materials - Photographic reflection prints - Methods for measuring indoor light stability - Part 2: Xenon-arc lamp exposure - 4/21/2022, \$58.00

**Plastics (TC 61)**

ISO/DIS 6076, Adhesives - Installation of floor coverings, wood flooring, levelling compounds and tiles - Specification of trowel notch sizes - 12/5/2021, \$58.00

ISO/DIS 23930, Fibre-reinforced plastic composites - Full section compression test for pultruded profiles - 12/5/2021, \$53.00

ISO/DIS 4907-1, Plastics - Ion exchange resin - Part 1: Determination of exchange capacity of acrylic anion exchange resins - 12/5/2021, \$62.00

ISO/DIS 4907-2, Plastics - Ion exchange resin - Part 2: Determination of water content of anion exchange resins in hydroxide form - 12/5/2021, \$46.00

ISO/DIS 4907-3, Plastics - Ion exchange resin - Part 3: Determination of exchange capacity of anion exchange resins in hydroxide form - 12/5/2021, \$53.00

ISO/DIS 19095-5, Plastics - Evaluation of the adhesion interface performance in plastic-metal assemblies - Part 5: Fracture energy - 12/5/2021, \$58.00

ISO/DIS 20975-1, Fibre-reinforced plastic composites - Determination of laminate of through-thickness properties - Part 1: Direct tension and compression tests - 12/5/2021, \$77.00

**Quantities, units, symbols, conversion factors (TC 12)**

ISO/DIS 80000-1, Quantities and units - Part 1: General - 12/5/2021, \$77.00

**Road vehicles (TC 22)**

ISO/FDIS 23280, Electrically propelled mopeds and motorcycles - Test method for evaluation of energy performance using motor dynamometer - 4/12/2021, \$82.00

ISO/DIS 23820, Road vehicles - Determination of the filtration efficiency of urea filters - 4/21/2022, \$82.00

ISO/FDIS 6469-2, Electrically propelled road vehicles - Safety specifications - Part 2: Vehicle operational safety - 2/21/2021, \$46.00

ISO/FDIS 11451-4, Road vehicles - Vehicle test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 4: Harness excitation methods - 4/16/2021, \$88.00

ISO/DIS 22733-1, Road vehicles - Test method to evaluate the performance of autonomous emergency braking systems - Part 1: Car-to-car - 12/5/2021, \$71.00

**Ships and marine technology (TC 8)**

ISO/DIS 4845, Ships and marine technology - Combined rigging for deep-sea mooring - 12/9/2021, \$53.00

ISO/DIS 7496-2, Ships and marine technology - Vocabulary on inland navigation vessels - Part 2: Ship's shaftings - 12/5/2021, \$33.00

**Soil quality (TC 190)**

ISO/DIS 16387, Soil quality - Effects of contaminants on Enchytraeidae (Enchytraeus sp.) - Determination of effects on reproduction - 12/9/2021, \$82.00

**Solid biofuels (TC 238)**

ISO/DIS 5370, Solid biofuels - Determination of fines content in pellets. - 12/5/2021, \$71.00

**Surface chemical analysis (TC 201)**

ISO/DIS 14606, Surface chemical analysis - Sputter depth profiling - Optimization using layered systems as reference materials - 12/5/2021, \$67.00

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

ISO/FDIS 7176-32, Wheelchairs - Part 32: Test method for wheelchair castor assembly durability - 4/18/2021, \$58.00

**Terminology (principles and coordination) (TC 37)**

ISO/DIS 24620-4, Language resource management - Controlled human communication (CHC) - Part 4: Basic principles and methodology for Stylistic Guidelines in Localization (SGL) - 4/22/2022, \$82.00

**Tobacco and tobacco products (TC 126)**

ISO/DIS 24197, Vapour products - Determination of e-liquid vaporised mass and aerosol collected mass - 12/6/2021, \$53.00

**Tractors and machinery for agriculture and forestry (TC 23)**

ISO/DIS 11783-7, Tractors and machinery for agriculture and forestry - Serial control and communications data network - Part 7: Implement messages application layer - 12/5/2021, \$93.00

**Traditional Chinese medicine (TC 249)**

ISO/FDIS 4154, Traditional Chinese medicine - Sinomenium acutum stem - 6/6/2021, \$53.00

ISO/DIS 19609-4, Traditional Chinese medicine - Quality and safety of raw materials and finished products made with raw materials - Part 4: Testing for preservatives and unwanted compounds - 12/5/2021, \$77.00

ISO/FDIS 23958-1, Traditional Chinese medicine - Dermal needle for single use - Part 1: Tapping-type - 3/1/2021, \$53.00

ISO/FDIS 23958-2, Traditional Chinese medicine - Dermal needles for single use - Part 2: Roller-type - 3/8/2021, \$53.00

**Valves (TC 153)**

ISO/FDIS 28921-1, Industrial valves - Isolating valves for low-temperature applications - Part 1: Design, manufacturing and production testing - 2/12/2021, \$93.00

**Waste collection and transportation management (TC 297)**

ISO/FDIS 24160, Refuse collection vehicles - Waste odour and leachate prevention and control - 5/22/2021, \$53.00

**Water quality (TC 147)**

ISO/DIS 13164-4, Water quality - Radon-222 - Part 4: Test method using two-phase liquid scintillation counting - 12/9/2021, \$67.00

ISO/DIS 17294-2, Water quality - Application of inductively coupled plasma mass spectrometry (ICP-MS) - Part 2: Determination of selected elements including uranium isotopes - 12/5/2021, \$98.00

**Welding and allied processes (TC 44)**

ISO/FDIS 17405, Non-destructive testing - Ultrasonic testing - Technique of testing claddings produced by welding, rolling and explosion - 5/23/2021, \$58.00

ISO/DIS 15614-5, Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 5: Arc welding of titanium, zirconium and their alloys - 12/5/2021, \$88.00

**ISO/IEC JTC 1, Information Technology**

ISO/IEC DIS 16388, Information technology - Automatic identification and data capture techniques - Code 39 bar code symbology specification - 4/21/2022, \$67.00

ISO/IEC DIS 17826, Information technology - Cloud Data Management Interface CDMI) Version 2.0.0 - 7/26/2021, \$245.00

ISO/IEC FDIS 20248, Information technology - Automatic identification and data capture techniques - Digital signature data structure schema - 5/17/2021, \$165.00

ISO/IEC DIS 4922-1, Information security - Secure multiparty computation - Part 1: General - 12/5/2021, \$53.00

ISO/IEC DIS 19075-9, Information technology - Guidance for the use of database language SQL - Part 9: Online analytic processing (OLAP) capabilities - 4/22/2022, \$119.00

ISO/IEC FDIS 23090-10, Information technology - Coded representation of immersive media - Part 10: Carriage of visual volumetric video-based coding data - 8/6/2020, \$155.00

ISO/IEC/IEEE DIS 26531, Systems and software engineering - Content management for product life cycle, user and service management information for users - 12/5/2021, \$125.00

## IEC Standards

94/646/CD, IEC 61810-7-20 ED1: All-or-nothing electrical relays - Tests and Measurements - Part 7-20: Mechanical endurance, 04/01/2022

94/647/CD, IEC 61810-7-24 ED1: All-or-nothing electrical relays - Tests and Measurements - Part 7-24: Load transfer, 04/01/2022

94/631/CDV, IEC 62246-4 ED1: Reed switches - Part 4: Application in conjunction with Magnetic Actuator used for Magnetic Sensing Devices, 04/29/2022

119/382/CDV, IEC 62899-202-9 ED1: Printed electronics - Part 202-9: Materials - Conductive ink - Printed patterns for mechanical test, 04/29/2022

113/650/CD, IEC TS 62607-6-12 ED1: Nanomanufacturing - Key Control Characteristics - Part 6-12: Graphene-based material - Number of layers: Raman spectroscopy, optical reflection, 04/29/2022

100/3736/NP, PNW 100-3736 ED1: Low and Ultra-Low Latency Communication and Control Systems, 04/29/2022

65/919/NP, PNW 65-919 ED1: Application function blocks and logic diagrams for Upstream Oil & Gas processes - System Control Diagrams - Part 1: General principles, 04/29/2022

65/920/NP, PNW 65-920 ED1: Application function blocks and logic diagrams for Upstream Oil & Gas processes - System Control Diagrams - Part 2: Diagram symbols and drawing principles, 04/29/2022

65/921/NP, PNW 65-921 ED1: Application function blocks and logic diagrams for Upstream Oil & Gas processes - System Control Diagrams - Part 3: Application Function Blocks, 04/29/2022

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

100/3735/NP, PNW 100-3735 ED1: Multimedia systems and equipment - Multimedia signal transmission - Dependable line code with error correction, 04/29/2022

## Automatic controls for household use (TC 72)

72/1295/CD, IEC 60730-2-23 ED1: Automatic electrical controls - Part 2-23: Particular requirements for electrical sensors and sensing elements, 04/29/2022

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

46C/1208(F)/CDV, IEC 61156-1 ED4: Multicore and symmetrical pair/quad cables for digital communications - Part 1: Generic specification, 04/15/2022

46A/1550/CDV, IEC 61196-5 ED4: Coaxial communication cables - Part 5: Sectional specification for CATV trunk and distribution cables, 04/29/2022

## Electric traction equipment (TC 9)

9/2789/CDV, IEC 62973-3 ED1: Railway applications - Rolling stock - Batteries for auxiliary power supply systems - Part 3: Lead acid batteries, 04/29/2022

## Electrical equipment in medical practice (TC 62)

62D/1926(F)/CDV, ISO 80601-2-84 ED2: Medical electrical equipment - Part 2-84: Particular requirements for the basic safety and essential performance of ventilators for the emergency medical services environment, 04/22/2022

## Electroacoustics (TC 29)

29/1113/DTR, TR 61094-10: Measurement microphones - Part 10: Absolute pressure calibration of microphones at low frequencies using calculable pistonphones, 04/01/2022

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

112/561(F)/FDIS, IEC 60587 ED4: Electrical insulating materials used under severe ambient conditions - Test methods for evaluating resistance to tracking and erosion, 03/04/2022

112/562/FDIS, IEC 62631-2-2 ED1: Dielectric and resistive properties of solid insulating materials - Part 2-2: Relative permittivity and dissipation factor - High frequencies (1 MHz to 300 MHz) - AC methods, 03/18/2022

## Fuel Cell Technologies (TC 105)

105/894/CDV, IEC 62282-4-102 ED2: Fuel cell technologies - Part 4-102: Fuel cell power systems for propulsion other than road vehicles and auxiliary power units (APU) - Fuel cell power systems for electrically powered industrial trucks - Performance test methods, 04/29/2022

**Nuclear instrumentation (TC 45)**

45B/999/CD, IEC 60325 ED4: Radiation protection instrumentation - Alpha, beta and alpha/beta (beta energy >60 keV) contamination meters and monitors, 04/29/2022

**Power system control and associated communications (TC 57)**

57/2470/CD, IEC 61850-7-410 ED3: Communication networks and systems for power utility automation - Part 7-410: Basic communication structure - Hydroelectric power plants - Communication for monitoring and control, 04/29/2022

57/2471/DTS, IEC TS 61850-7-7/AMD1 ED1: Amendment 1 - Communication networks and systems for power utility automation - Part 7-7: Machine-processable format of IEC 61850-related data models for tools, 04/29/2022

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

25/730/CDV, ISO 80000-1 ED2: Quantities and units - Part 1: General, 04/29/2022

**Rotating machinery (TC 2)**

2/2091/NP, PNW 2-2091 ED1: Detection of interturn short-circuits in rotor windings of cylindrical rotor synchronous generator, 04/29/2022

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

116/564/CDV, IEC 62841-2-12 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-12: Particular requirements for hand-held concrete vibrators, 04/29/2022

116/565/CDV, IEC 62841-2-18 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-18: Particular requirements for hand-held strapping tools, 04/29/2022

116/566/CDV, IEC 62841-2-19 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-19: Particular requirements for hand-held jointers, 04/29/2022

116/567/CDV, IEC 62841-2-20 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-20: Particular requirements for hand-held band saws, 04/29/2022

116/568/CDV, IEC 62841-2-22 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-22: Particular requirements for hand-held cut-off machines, 04/29/2022

116/569/CDV, IEC 62841-2-23 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-23: Particular requirements for hand-held die grinders and small rotary tools, 04/29/2022

116/560/CDV, IEC 62841-2-6/AMD1 ED1: Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-6: Particular requirements for hand-held hammers, 04/29/2022

116/563/CDV, IEC 62841-2-7 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-7: Particular requirements for hand-held spray guns, 04/29/2022

116/576/FDIS, IEC 62841-3-10/AMD1 ED1: Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-10: Particular requirements for transportable cut-off machines, 03/18/2022

116/570/CDV, IEC 62841-3-3 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-3: Particular requirements for transportable planers and thicknessers, 04/29/2022

116/575/FDIS, IEC 62841-3-6/AMD1 ED1: Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-6: Particular requirements for transportable diamond drills with liquid system, 03/18/2022

116/571/CDV, IEC 62841-3-8 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-8: Particular requirements for transportable single spindle vertical moulders, 04/29/2022

**Solar photovoltaic energy systems (TC 82)**

82/2012/DTS, IEC TS 62788-6-3 ED1: Measurement procedures for materials used in photovoltaic modules - Part 6-3: Adhesion testing of interfaces within PV modules, 04/29/2022

82/2015/DTS, IEC TS 63209-2 ED1: Extended-stress testing of photovoltaic modules - Part 2: Component materials and packaging, 04/29/2022

82/2010/CD, IEC TS 63392 ED1: Fire test for concentrator PV modules, 04/29/2022

**Standard voltages, current ratings and frequencies (TC 8)**

8A/99/DTR, IEC TR 63401-2 ED1: Sub- and Super-synchronous Control Interactions, 04/01/2022

8A/100/DTR, IEC TR 63401-4 ED1: Behaviour of Inverter-Based Resources in Response to Bulk Grid Faults, 04/01/2022

**Switchgear and controlgear (TC 17)**

17C/835/FDIS, IEC 62271-203 ED3: High-voltage switchgear and controlgear - Part 203: AC gas-insulated metal-enclosed switchgear for rated voltages above 52 kV, 03/18/2022

17C/833(F)/FDIS, IEC 62271-209/AMD1 ED2: Amendment 1 - High-voltage switchgear and controlgear - Part 209: Cable connections for gas-insulated metal-enclosed switchgear for rated voltages above 52 kV - Fluid-filled and extruded insulation cables - Fluid-filled and dry-type cable-terminations, 03/04/2022

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

121A/475/CD, IEC 61095 ED3: Electromechanical contactors for household and similar purposes, 04/01/2022



# Newly Published IEC Standards

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

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

[IEC 61935-2 Ed. 4.0 b:2022](#), Specification for the testing of balanced and coaxial information technology cabling - Part 2: Cords as specified in ISO/IEC 11801-1 and related standards, \$259.00

[IEC 61935-2 Ed. 4.0 en:2022 CMV](#), Specification for the testing of balanced and coaxial information technology cabling - Part 2: Cords as specified in ISO/IEC 11801-1 and related standards, \$442.00

## Industrial-process measurement and control (TC 65)

[IEC 62872-2 Ed. 1.0 b:2022](#), Industrial-process measurement, control and automation - Part 2: Internet of Things (IoT) - Application framework for industrial facility demand response energy management, \$354.00

## Lamps and related equipment (TC 34)

[IEC 62442-1 Ed. 3.0 b:2022](#), Energy performance of lamp controlgear - Part 1: Controlgear for fluorescent lamps - Method of measurement to determine the total input power of controlgear circuits and the efficiency of controlgear, \$183.00

[IEC 62442-2 Ed. 3.0 b:2022](#), Energy performance of lamp controlgear - Part 2: Controlgear for discharge lamps (excluding low-pressure mercury fluorescent lamps) - Method of measurement to determine the efficiency of controlgear, \$89.00

[S+ IEC 62442-1 Ed. 3.0 en:2022 \(Redline version\)](#), Energy performance of lamp controlgear - Part 1: Controlgear for fluorescent lamps - Method of measurement to determine the total input power of controlgear circuits and the efficiency of controlgear, \$239.00

[S+ IEC 62442-2 Ed. 3.0 en:2022 \(Redline version\)](#), Energy performance of lamp controlgear - Part 2: Controlgear for discharge lamps (excluding low-pressure mercury fluorescent lamps) - Method of measurement to determine the efficiency of controlgear, \$115.00

## Power system control and associated communications (TC 57)

[IEC 61970-600-1 Ed. 1.0 b:2021](#), Energy management system application program interface (EMS-API) - Part 600-1: Common Grid Model Exchange Standard (CGMES) - Structure and rules, \$310.00

[IEC 61970-600-2 Ed. 1.0 b:2021](#), Energy management system application program interface (EMS-API) - Part 600-2: Common Grid Model Exchange Standard (CGMES) - Exchange profiles specification, \$443.00

## IEC Technical Reports

### Power system control and associated communications (TC 57)

[IEC/TR 61850-10-3 Ed. 1.0 en:2022](#), Communication networks and systems for power utility automation - Part 10-3: Functional testing of IEC 61850 systems, \$392.00

## IEC Technical Specifications

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

[IEC/TS 62607-6-9 Ed. 1.0 en:2022](#), Nanomanufacturing - Key control characteristics - Part 6-9: Graphene-based material - Sheet resistance: Eddy current method, \$221.00

[IEC/TS 62607-6-11 Ed. 1.0 en:2022](#), Nanomanufacturing - Key control characteristics - Part 6-11: Graphene - Defect density: Raman spectroscopy, \$221.00



## Accreditation Announcements (U.S. TAGs to ISO)

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Public Review Comment Deadline: March 14, 2022

### Public Review of Application for Accreditation of a U.S. TAG to ISO

#### PC 337, Guidelines for the promotion and implementation of gender equality

##### Accreditation Announcements (US TAG to ISO)

**Underwriters Laboratories (UL)**, an ANSI Member and Accredited Standards Developer (ASD), has submitted an Application for Accreditation for a new proposed **U.S. Technical Advisory Group (TAG) to ISO PC 337, *Guidelines for the promotion and implementation of gender equality***, and a request for approval as TAG Administrator. The proposed TAG intends to operate using the *Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities* as contained in Annex A of the *ANSI International Procedures*.

To obtain a copy of the TAG application or to offer comments, please contact: Sonya Bird, Director of International Standards, Underwriters Laboratories, 12 Laboratory Drive, Research Triangle Park, NC 27709; phone: 919.549.1685; E-mail: [Sonya.Bird@ul.org](mailto:Sonya.Bird@ul.org). Please submit any comments to UL by **March 14, 2022** (please copy [jthomps@ansi.org](mailto:jthomps@ansi.org)).

# International Organization for Standardization (ISO)

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## ISO Proposal for a New Field of ISO Technical Activity

### National Gas Fuelling Stations

**Comment Deadline: February 25, 2022**

AFNOR, the ISO member body for France, has submitted to ISO a proposal for a new field of ISO technical activity on Natural Gas Fuelling Stations, with the following scope statement:

*Standardization in the field of design, construction and operation of stations for fuelling compressed natural gas (CNG) and liquefied natural gas (LNG) to vehicles. It includes equipment, safety devices and maintenance.*

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)), with a submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on **Friday, February 25, 2022**.

# Meeting Notices (International)

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## ANSI Accredited U.S TAG to ISO

### TC 299, Robotics

#### Meeting Times February, March & April 2022

Meeting (1) Meeting Format & Location: Remote via GoToMeeting

Meeting Sponsor/Host: A3, the Association for Advancing Automation

Purpose: Prepare for U.S. participation in upcoming meetings and ballots for ISO TC 299 and its Working Groups

Day/Date/Time: Virtual Session: Thursday, February 17, 2022; 2:30 PM – 4:00 PM (Eastern Time) / 11:30 AM – 1:00 PM (PT)

Meeting (2) Meeting Format & Location: Hybrid; In-person in Memphis, TN; Remote via GoToMeeting

Meeting Sponsor/Host: FedEx; The University of Memphis

Purpose: Discuss procedures for the U.S. TAG; Prepare for U.S. participation in upcoming meetings and ballots for ISO TC 299 and its Working Groups

Day/Date/Time: Tuesday, March 8, 2022; 1:00 PM – 5:15 PM (Central Time) / 11:00 AM – 3:15 PM (PT)

Meeting (3) Meeting Format & Location: Remote via GoToMeeting

Meeting Sponsor/Host: A3, the Association for Advancing Automation

Purpose: Prepare for U.S. participation in upcoming meetings and ballots for ISO TC 299 and its Working Groups

Day/Date/Time: Virtual Session: Wednesday, April 20, 2022; 2:30 PM – 4:00 PM (Eastern Time) / 11:30 AM – 1:00 PM (PT)

For More Information: Contact Carole Franklin, [cfranklin@automate.org](mailto:cfranklin@automate.org).

# Registration of Organization Names in the United States

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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

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## Call for Comment

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

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

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

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

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## NSF International Standard/ American National Standard –

# Food equipment

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### 4 Materials

#### 4.X Glass and Glass-Like Tableware

Glass and glass-like materials including, but not limited to, porcelain and ceramic intended for direct food contact, may be permitted in the manufacture of tableware.

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### 5 Design and construction

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#### 5.X Tableware

5.X.X Tableware shall comply with applicable requirements in Sections 4 and 5.

5.X.X Glass and glass-like tableware shall be tested for impact resistance and thermal shock in accordance with Section 6.X and 6.X.

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### 6 Performance

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#### 6.X Glass and Glass-Like Tableware – Impact Resistance Test

##### 6.X.X Performance requirement

The impact resistance of glass and glass-like tableware shall be evaluated using three samples of each unique type of tableware.

##### 6.X.X Test method for flat tableware

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The sample shall be conditioned for at least 24 h at  $73 \pm 3$  °F ( $23 \pm 2$  °C) and  $50 \pm 5\%$  relative humidity. The impact force shall be generated by a 0.625 in (15.9 mm) diameter stainless steel ball weighing  $0.035 \pm 0.001$  lb ( $16.0 \pm 0.5$  g) dropped from a height of 13 in (33 cm) striking perpendicular to the surface. At the time of impact, test samples shall be supported by a 3/4 in (0.75 in, 19 mm) thick, 45 lb/ft<sup>3</sup> (721 kg/m<sup>3</sup>) nominal density particle board. Three separate impacts shall be applied to the flat, horizontal, functional surface of the sample. Three additional separate impacts shall be applied to the rim of the sample such that the direction of force is parallel to the adjacent surface of the rim. The sample shall be repositioned after each impact such that the subsequent impacts strike a different area of the sample.

#### **6.X.X Test method for holloware**

The sample shall be conditioned for at least 24 h at  $73 \pm 3$  °F ( $23 \pm 2$  °C) and  $50 \pm 5\%$  relative humidity. The impact force shall be generated by a 0.625 in (15.9 mm) diameter stainless steel ball weighing  $0.035 \pm 0.001$  lb ( $16.0 \pm 0.5$  g) dropped from a height of 13 in (33 cm) striking perpendicular to the surface. At the time of impact, test samples shall be supported on the outer wall by using particle board vee blocks shimmed to make the surface perpendicular. With sample oriented horizontally three separate impacts shall be applied to the edge of the open end (lip), center of the wall, edge of the closed end (heel) of the sample. (See Figure XX). The sample shall be repositioned after each impact such that the subsequent impacts strike a different area of the sample.

#### **6.X.X Acceptance criteria**

The test samples shall not exhibit any cracking, chipping, or breaking.

### **6.X Glass and Glass-Like Tableware – Thermal Shock Test**

#### **6.X.X Performance requirement**

The thermal shock resistance of glass and glass-like tableware shall be evaluated using two samples of each type of tableware.

#### **6.X.X Test method**

A thermal shock cycle shall consist of a 30 minute exposure to heated air in an oven at  $219$  °F  $\pm 7$  °F ( $104$  °C  $\pm 4$  °C) followed by a 15 second immersion in a cold water bath of  $39$  °F  $\pm 7$  °F ( $4$  °C  $\pm 4$  °C). Each sample shall be subjected to a total of 5 thermal shock cycles with a resting period of 15 minutes at an ambient temperature of  $75$  °F  $\pm 5$  °F ( $24$  °C  $\pm 3$  °C) prior to initiating the next cycle. Visually inspect the samples after each cycle and note any physical changes.

#### **6.X.X Acceptance criteria**

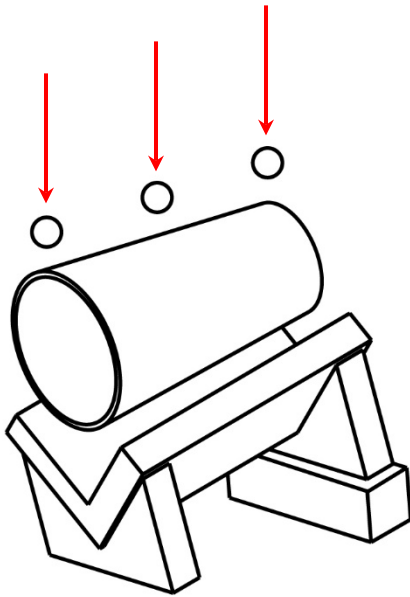
Test samples shall not show signs of cracking, crazing, or breaking.

*Rationale: Glass and glass-like tableware pose a potential physical threat to consumers in the foodservice space. The intent of this revision to Standard 2 is to fill the current gaps in this area.*

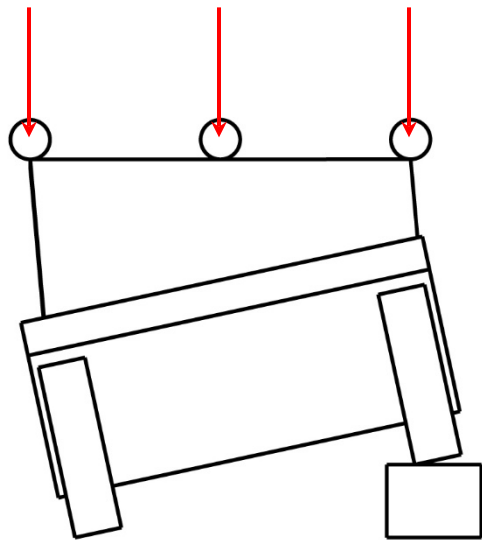
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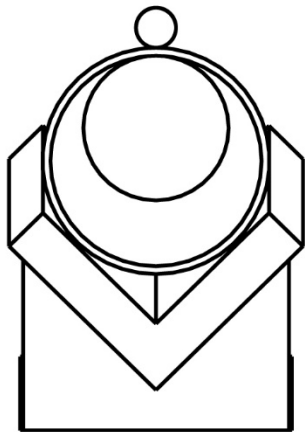
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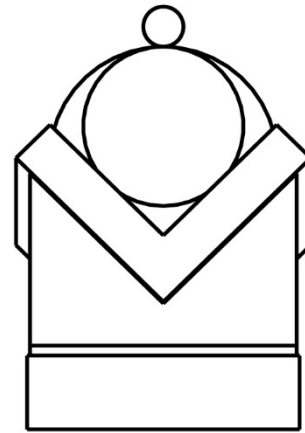
3/4 view



Side view



Front view



Back view



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**Figure X**  
[Title to be inserted here]

*Note: Figures are informative not normative. Keep this in mind when voting/commenting.*

**NSF International Standard/  
American National Standard –**

# **NSF/ANSI 51 Food Equipment Materials**

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## **4 Material formulation**

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### **4.2.4 Glass and glass-like materials**

Glass and glass-like materials, including porcelain, porcelain enamels, and ceramic coatings, shall not be used on surfaces intended for direct food contact that are also subject to impact by hard objects during use (e.g., countertops, tabletops, cutting boards, cooking surfaces) except as permitted in Section 4.2.4.1. and in NSF/ANSI 2.

*Rationale: The general requirement prohibiting the use of glass and glass-like materials in a food zone remains in NSF/ANSI 51 but the exemptions are moved to NSF/ANSI 2.*

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NSF/ANSI Standard  
for Drinking Water Additives –

## Drinking Water System Components – Health Effects

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### 9 Mechanical plumbing devices

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#### 9.5 Evaluation of normalized contaminant concentrations

##### 9.5.1 Evaluation of lead

For endpoint devices other than commercial kitchen devices, supply stops, flexible plumbing connectors, and miscellaneous components, the lead test statistic *Q* shall not exceed 5 µg when normalized for the 1-L (0.26-gal) first draw sample. For commercial kitchen devices, the lead test statistic *Q* shall not exceed 5 µg when normalized for the 18.9-L (5-gal) first draw sample. For supply stops, flexible plumbing connectors, and miscellaneous components, the lead test statistic *Q* shall not exceed 3 µg when normalized for the 1-L (0.26-gal) first draw sample.

For kitchen faucets that have been exposed simultaneously with the side spray component, the lead test statistic *Q* value for the entire assembly shall not exceed 5 µg. When the kitchen faucet and the side spray component have been exposed separately, the lead test statistic *Q* value for the faucet and side spray shall be added and shall not exceed 5 µg.

Materials and components not requiring lead analysis per Section 3.3 shall not require testing for the lead test statistic *Q*.

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### Informative Annex 7 Revisions to the evaluation of lead

*The information contained in this Disclaimer is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. Therefore, this Disclaimer may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the Standard.*

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## I-7.2 Incorporation of revisions into Standard

The optional requirements for lower lead leaching shall be removed and the revisions in this annex shall be incorporated into the body of this Standard on January 1, 2024. This date is based on the date of product manufacture.

## I-7.3 Revisions

### 9.5.1 Evaluation of lead

For endpoint devices other than commercial kitchen devices, supply stops, flexible plumbing connectors, and miscellaneous components, the lead test statistic  $Q$  shall not exceed  $5 \pm 1 \mu\text{g}$  when normalized for the 1 L (0.26 gal) first draw sample. For commercial kitchen devices, the lead test statistic  $Q$  shall not exceed  $5 \pm 1 \mu\text{g}$  when normalized for the 18.9 L (5 gal) first draw sample. For supply stops, flexible plumbing connectors, and miscellaneous components, the lead test statistic  $Q$  shall not exceed  $3 \pm 0.5 \mu\text{g}$  when normalized for the 1 L (0.26 gal) first draw sample.

For kitchen faucets that have been exposed simultaneously with the side spray component, the lead test statistic  $Q$  value for the entire assembly shall not exceed  $5 \pm 1 \mu\text{g}$ . When the kitchen faucet and the side spray component have been exposed separately, the lead test statistic  $Q$  value for the faucet and side spray shall be added and shall not exceed  $5 \pm 1 \mu\text{g}$ .

Materials and components not requiring lead analysis per Section 3.3 shall not require testing for the lead test statistic  $Q$ .

***Rationale: Added clarification on  $Q$  statistic testing for non-lead materials to reflect current practice.***

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

### 1. Proposed First Edition of UL 4402

#### PROPOSAL

1.4 This Standard does not address cannabis related biogenic volatile organic compounds (BVOCs). These BVOCs include thiols (also called volatile sulfur compounds, or VSCs) as part of their natural biological cycles. The prominent VOCs emitted by cannabis ~~are known as~~ include terpenes with main constituents as isoprene, monoterpenes and sesquiterpenes. These terpenes are odorants with extremely low odor thresholds. At the time of this publication, the STP is not aware of any evidence that suggests health hazards are related to cannabis BVOC emissions at the typically observed concentrations.

1.5 This Standard does not include provisions for greenhouses.

5.9 GREENHOUSE - A type of structure, portion of a structure, or room that maintains a sunlit environment for the purpose of plant growth, production, or maintenance, with a skylight roof ratio of 50 % or more above the growing area.

7.2.2.1 MERV13 or better mechanical filtration shall be provided in spaces used for indoor plant environments. Outside air ventilation shall comply with the AHJ's ventilation requirements and shall be a minimum ~~2.74~~ 1.09 m<sup>3</sup>/h/m<sup>2</sup> (~~0.45~~ 0.06 cfm/ft<sup>2</sup>) of floor space. Ventilation and recirculated air shall be filtered with MERV13 or higher MERV rated mechanical filtration. Ventilation and recirculating mechanical filtration systems must operate continuously where serving these spaces. These systems shall be designed for a minimum of three total ACH for each HVAC zone. When the space is occupied, CO<sub>2</sub> enrichment shall be limited to a maximum of 2,500 ppm.

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## BSR/UL 94, Standard for Safety for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances

### 1. UL 94 5VB Flame Result Judgment – Sample Consumption before 5th Flame Application

**Table 9.1**  
**5V Burning Classifications**

Criteria	5VA	5VB
Afterflame time plus afterglow time after the fifth flame application (t1+t2) for each individual bar specimen <sup>a</sup>	≤60s	≤60s
The cotton pad indicator (see 5.13) ignited by flaming particles or drops from any bar test specimen?	No	No
Classified as V-0 or V-1?	Yes	Yes
Either	No	Yes
<ul style="list-style-type: none"> <li>• burn-through occurs with any of the individual plate test specimens</li> <li>• no plate test specimens have been tested</li> </ul>		
<sup>a</sup> Full consumption of bar specimens or burning up to the holding clamp before the fifth flame application during the test is acceptable for the bar specimen criteria.		

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UL 201

February 11, 2022

## BSR/UL 201 Standard for Safety for Garage Equipment

1. Proposed addition of IEC equivalent hazardous location designations.

### PROPOSAL

19.2.1 For floor-supported garage equipment that is located within the area defined as classified by the National Electrical Code, ANSI/NFPA 70, the motor shall be installed not less than 460 mm (18 inches) above floor level and the product shall be marked in accordance with 83.11. For all garage equipment that is intended for use only within the non-classified (ordinary) location in a minor repair garage, the equipment shall be marked in accordance with 83.12.1.

*Exception No. 1: Garage equipment provided with a motor evaluated for use in Class I, Division 1, or Class I, Division 2, or Class I, Zone 0, or Class I, Zone 1, or Class I, Zone 2, Hazardous Location, as appropriate, as defined in the National Electrical Code, ANSI/NFPA 70, is not required to comply with this requirement.*

*Exception No. 2: Garage equipment with motors which are not inherently located above 460 mm above the floor level (such as in table-top or wall mounted equipment) that is marked in accordance with 83.12, is not required to comply with this requirement.*

24.2.1 For floor-supported garage equipment that is located within the area defined as classified by the National Electrical Code, ANSI/NFPA 70, a switch, relay, solenoid, or other control device shall be installed not less than 460 mm (18 inches) above floor level, and the product shall be marked in accordance with 83.11. For all garage equipment that is intended for use only within the non-classified (ordinary) location in a minor repair garage, the equipment shall be marked in accordance with 83.12.1.

*Exception No. 1: Garage equipment provided with a switch, solenoid, relay, or other control device, evaluated for use in a Class I, Division 1 or Class I, Division 2, or Class I, Zone 0, or Class I, Zone 1, or Class I, Zone 2, Hazardous Location, as appropriate, as defined by the National Electrical Code, ANSI/NFPA 70, is not required to comply with this requirement.*

*Exception No. 2: Garage equipment provided with control devices that are not inherently located 460 mm above the floor level (such as in table top or wall mounted equipment) that is marked in accordance with 83.12, is not required to comply with this requirement.*

## BSR/UL 1482, *Standard for Solid-Fuel Type Room Heaters*

### 1. Topic 1: Edits to recent proposed changes to UL 1482 - Marking and Installation instructions

## PROPOSAL

### MARKING

53.3 Each room heater shall be marked with the following:

- a) Manufacturer's or private labeler's name or identifying symbol and address.
- b) Distinctive type or model designation.
- c) Minimum clearances from the chimney connector and from the sides and back of the room heater to combustible materials. These clearances are to be in written and diagrammatic form.
- .
- o) "To be installed as a freestanding room heater with the clearances in the manufacturer's installation instructions. Not to be installed in any factory-built fireplace."

Exception: This marking is not required for room heaters listed to be installed in a fireplace by an agency accredited to ISO/IEC 17065.

### 54.2 INSTALLATION INSTRUCTIONS

54.2.3 The installation instructions shall include particular details concerning:

- a) The parts and materials required and the step-by-step process for installing a room heater, accessories, and its chimney connector. For a mobile home installation, part descriptions in illustrated and written form, including part identification assigned to each specific part both for replacement and for initial installation parts; examples are a chimney section, firestop, and roof cap.
- .
- q) That the room heater shall not be installed in a factory-built fireplace.

Exception: This instruction not required for room heaters listed to be installed in a fireplace by an agency accredited to ISO/IEC 17065.