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## CONTENTS





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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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## APCO (Association of Public-Safety Communications Officials-International)

351 N. Williamson Boulevard | Daytona Beach, FL 32114-1112 www.apcoIntl.org
Contact: Mindy Adams; apcostandards@apcointl.org

***New Standard***

BSR/APCO 2.107.1-202x, Common Computer Aided Dispatch (CAD) GIS Identifiers (new standard)

Stakeholders: Telecommunicators, public safety agencies, responders, involved individuals and the community will benefit from the standard.
Project Need: A Common CAD Public Safety GIS Identifiers standard would identify the minimum set of CAD-oriented geographic import/export database file requirements a CAD application shall support. This standard is designed to be augmentation of and expansion on the existing APCO standard 'Multi-Functional Multi-Discipline CAD Minimum Functional Requirements' (Sections 2.10, 2.16, 3.8, 8.1, and 8.3). As emerging 9-1-1 solutions are being deployed, an opportunity exists to establish a standardized approach to how a CAD system could benefit from the existing data replication and delivery methodology inherent in 9-1-1 data propagation processes.
Scope: Computer Aided Dispatch (CAD) systems are the principal applications used by public safety agencies to manage law enforcement, fire, and EMS incidents from the initial time an incident is reported, to the conclusion of the incident. Many CAD systems require separate and often proprietary databases to operate. These systems may be composed of both tabular records management systems (RMS) and spatial or geographic information (Geofile) systems. This standard focuses on the Geofile aspect of database updating and identifies a minimum set of CAD-oriented geographic import/export database file requirements necessary to allow multiple agencies to share public safety geographic data and databases updates, utilizing 9-1-1 infrastructure and data, among disparate CAD systems, regardless of manufacturer.

## AWS (American Welding Society)

8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 www.aws.org
Contact: Jennifer Molin; jmolin@aws.org

***Revision***

BSR/AWS D1.8/D1.8M-202x, Structural Welding Code-Seismic Supplement (revision of ANSI/AWS D1.8/D1.8M-2021)

Stakeholders: Manufacturers, welders, engineers, fabricators, designers.
Project Need: This code is intended to be applicable to welded joints in Seismic Force Resisting Systems designed in accordance with the AISC Seismic Provisions.
Scope: The provisions of this code supplement the provisions of AWS D1.1/D1.1M, Structural Welding Code - Steel, and shall apply to the design, fabrication, quality control, and quality assurance of welded joints designed in accordance with the AISC Seismic Provisions for Structural Steel Buildings. All provisions of AWS D1.1/D1.1M for statically loaded structures shall apply to the designated welds, except as specifically modified in this standard.

## FCI (Fluid Controls Institute)

1300 Sumner Avenue | Cleveland, OH 44115 www.fluidcontrolsinstitute.org
Contact: Leslie Schraff; fci@fluidcontrolsinstitute.org

***Revision***

BSR/FCI 69-1-202x, Pressure Rating Standard for Steam Traps (revision of ANSI/FCI 69-1-2017)

Stakeholders: Manufacturers, users, and specifiers.
Project Need: The standard was established to assist manufacturers, users, and specifiers of the products to comply with pressure ratings for their pressure-containing envelope and bolting.
Scope: The standard provides the minimum requirements for the design, fabrication, pressure rating, and marking of pressure-containing housings for steam traps.

## ICC (International Code Council)

4051 Flossmoor Road | Country Club Hills, IL 60478 www.iccsafe.org
Contact: Karl Aittaniemi; kaittaniemi@iccsafe.org

***New Standard***

BSR/ICC 815-202x, Standard for Sizing Water Distribution, Sanitary Drainage, and Vent Piping Systems (new standard)

Stakeholders: Engineers, designers, contractors, consultants, academia, inspectors, manufacturers, operators, standard development organizations and users.
Project Need: A new standard would provide a complete plumbing system design method for sizing indoor water, sanitary drainage, and vent piping for residential, mixed-use, and institutional occupancies based on the water use of plumbing fixtures and appliances that are manufactured today, technical advances in estimating water usage patterns and the impact of the COVID-19 pandemic as more people work from home. Pipe sizing provisions in current codes and standards are predominantly based on outdated water usage patterns and do not address post-COVID 19 societal changes.
Scope: As an ANSI-accredited SDO, ICC is developing a new standard to establish minimum requirements for a comprehensive design methodology for sizing water distribution, sanitary drainage, and vent piping systems for residential, mixed-use, and institutional occupancies.

## ICC (International Code Council)

4051 Flossmoor Road | Country Club Hills, IL 60478 www.iccsafe.org
Contact: Karl Aittaniemi; kaittaniemi@iccsafe.org

***New Standard***

BSR/ICC 825-202x, Private Sewage Disposal Systems (new standard)

Stakeholders: Public health officials, engineers, designers, contractors, consultants, academia, inspectors, manufacturers, operators, standard development organizations, and users.
Project Need: A new standard would provide minimum requirements for designing, constructing, operating, and maintaining private sewage disposal systems which includes septic tank and effluent absorption systems, or other treatment tank and effluent disposal systems, where a public sewer is not available.
Scope: As an ANSI-accredited SDO, ICC is developing a new standard to establish minimum requirements to provide a level of safety for health, property protection, and general welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation, and maintenance or use of private sewage disposal systems.

## ICC (International Code Council)

4051 Flossmoor Road | Country Club Hills, IL 60478 www.iccsafe.org
Contact: Karl Aittaniemi; kaittaniemi@iccsafe.org

***New Standard***

BSR/ICC 1500-202x, Measurement and Verification of Carbon in Building Construction, Materials and Operations (new standard)

Stakeholders: Architects, engineers, materials manufacturers, building owners, building regulators, home builders, contractors, and the real estate industry.
Project Need: Communities and companies are looking to buildings to help reduce greenhouse gas emissions; however, there is no standardized approach to calculate the contributions of buildings across their entire life-cycle including construction, materials used, and operations. This standard would provide a consistent and robust approach for use in buildings policies, corporate ESG tracking, and investment decision making.
Scope: As an ANSI-accredited SDO, ICC is developing a new standard to provide a methodology for calculating and verifying the greenhouse gas emissions associated with residential and commercial buildings, including both operational energy use and the embodied greenhouse gasses (GHGs) associated with materials used and the construction process. The standard will provide consistency in GHG-related claims and allow for tracking of GHG emissions from the sector at various scales including at the portfolio, local, state, national, and international scales.

## IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org
Contact: Lisa Weisser; l.weisser@ieee.org

***New Standard***

BSR/IEEE 135.100-202X, Standard for Line Hardware for Overhead Line Construction (new standard)

Stakeholders: Electric utility (transmission & distribution) engineers, line hardware manufacturers, utility line designers, line consultants, and line construction companies that represent the groups.
Project Need: This standard combines the following standards for line hardware used in the construction of overhead transmission and distribution lines:
C135.61 - IEEE standard for the Testing of Overhead Transmission & Distribution Line Hardware;
C135.62 - IEEE Standard for Zinc-Coated Forged Anchor Shackles;
C135.63 - IEEE Standard for Shoulder Live Line Extension Links for Overhead Line Construction;
C135.64 - IEEE Guide for Slip and Pull-Out Strength Testing of Bolted Dead End Strain Clamps.
Combining all these standards into one document simplifies the process of reviewing and updating the standards related to line hardware for overhead line construction.
Scope: This standard covers the requirements of line hardware used in overhead lines, including clevis and eye fittings, Y-clevis fittings, socket fittings, ball fittings, chain links, shackles, triangular and rectangular yoke plates, suspension clamps, strain clamps, straight-line deadend clamps, and shoulder live line extension links.

## IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org
Contact: Lisa Weisser; l.weisser@ieee.org

***New Standard***

BSR/IEEE 515.1-202X, Standard for the Testing, Design, Installation, and Maintenance of Electrical Resistance Trace Heating for Commercial Applications (new standard)

Stakeholders: Manufacturers, certification agencies, users.
Project Need: (1) To update references.
(2) To make any editorial corrections.
Scope: This standard provides test criteria to determine the suitability of heating devices and fittings that are used for commercial applications. The standard also includes detailed recommendations for the design, installation, and maintenance of electrical resistance trace heating in these applications. Commercial applications include installations both inside and outside commercial business buildings, such as office buildings, hospitals, and airports. Typical applications include freeze protection of water pipes; temperature maintenance of hot water piping and other lines and tubing; protection of sprinkler systems; roof, gutter, and pavement deicing; and other applications as shown in Table 1 in 4.1. For commercial applications involving hazardous (classified) locations refer to IEC/IEEE 60079-30-1 as well as any other applicable codes and standards.

## IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org
Contact: Lisa Weisser; l.weisser@ieee.org

***New Standard***

BSR/IEEE 7130-202X, Standard for Quantum Technologies Definitions (new standard)

Stakeholders: Hardware and software manufacturers, universities, national labs, and research and development organizations.
Project Need: Currently, there is a need for standardization of nomenclature related to quantum technologies as the emerging industry is fragmented and lacks a common communications framework. This project will also make quantum technologies more accessible to a larger group of contributors including developers of software and hardware, materials scientists, mathematicians, physicists, and end users of quantum technologies solutions including engineers, discrete mathematicians, physicists, climate scientists, biologists, and geneticists.
Scope: This standard addresses quantum technologies specific terminology and establishes definitions necessary to facilitate clarity of understanding to enable compatibility and interoperability.

## IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org
Contact: Lisa Weisser; l.weisser@ieee.org

***New Standard***

BSR/IEEE 7131-202X, Standard for Quantum Computing Performance Metrics & Performance Benchmarking (new standard)

Stakeholders: Hardware and software manufacturers, universities, national labs, and research and development organizations, and private enterprise.
Project Need: Currently, there is a need for standardization of performance metrics and benchmarking in quantum computing as many "speed test" or quantum computing benchmarks are often immediately discredited because they do not take into account all variables, and/or are designed to highlight the performance of a particular technique or manufacturer's hardware, and/or because they do not take into account specific solvers or optimization. The emerging quantum computing industry is fragmented and lacks standards for metrics and benchmarking. Performance of quantum computing components is often shrouded in doubt due to the lack of a verifiable and independent standard for testing.
Scope: The standard covers quantum computing performance metrics for standardizing performance benchmarking of quantum computing hardware and software. These metrics and performance tests include everything necessary to benchmark quantum computers (standalone and by/for comparison) and to benchmark quantum computers against classical computers using a methodology that accounts for factors such as dedicated solvers.

## TNI (The NELAC Institute)

PO Box 2439 | Weatherford, TX 76086 www.NELAC-Institute.org
Contact: Robert Wyeth; robert.wyeth@nelac-institute.org

***Revision***

BSR/TNI EL-V3-Rev 3.0-202x, General Requirements for Environmental Proficiency Test Providers (revision and redesignation of ANSI/TNI EL-V3-2016)

Stakeholders: Laboratories, accreditation bodies, proficiency test providers, other environmental data users.
Project Need: The revisions will improve the Volume by resolving previously submitted Standard Interpretation Requests (SIRs), adding clarity, improving usability of the Volume by Proficiency Testing Providers and Accrediting Bodies, and harmonizing requirements between all volumes and modules pertaining to proficiency testing.
Scope: EL-V3 requires updating to address a changing regulatory and user environment. The Proficiency Testing Expert Committee (the consensus group responsible for this Volume of the Standard) has received comments and requests regarding the need to clarify sections of this Volume. While the entire Volume will undergo review and changes are anticipated, the sections of the Volume determined to require specific attention are those relating to consistency with ISO/IEC requirements, resolution of uncertainty of PT reporting for Radiochemistry results, consideration of zero as a reporting value for select environmental PT results, clarification on scoring of “less than” values, and supplemental PT requirements.

## TNI (The NELAC Institute)

PO Box 2439 | Weatherford, TX 76086 www.NELAC-Institute.org
Contact: Robert Wyeth; robert.wyeth@nelac-institute.org

***Revision***

BSR/TNI EL-V1M1-Rev. 3.0-202x, Management and Technical Requirements for Laboratories Performing Environmental Analysis; Proficiency Testing (revision and partition of ANSI/TNI EL-V1-2016)

Stakeholders: Laboratories, accreditation bodies, other environmental data users.
Project Need: The revisions will improve the module by resolving previously submitted Standard Interpretation Requests (SIRs), adding clarity, improving usability of the Module by laboratories and Accrediting Bodies, and harmonizing requirements between all volumes and modules pertaining to proficiency testing.
Scope: The Proficiency Testing Expert Committee (the Consensus Standards group responsible for this part of the Standard) has received comments on this Module requiring clarification of sections of the Module. While the entire Module will undergo review and changes are anticipated, the sections of the Module determined to require specific attention are those relating to consistency with ISO/IEC requirements, consideration of zero as a reporting value for select environmental PT results, clarification of reporting of “less than” values, and supplemental PT requirements.

## TNI (The NELAC Institute)

PO Box 2439 | Weatherford, TX 76086 www.NELAC-Institute.org
Contact: Robert Wyeth; robert.wyeth@nelac-institute.org

***Revision***

BSR/TNI EL-V2M2-Rev. 3.0-202x, General Requirements for Accreditation Bodies Accrediting Environmental Laboratories; Proficiency Testing (revision and partition of ANSI/TNI EL-V2-2016)

Stakeholders: Laboratories, accreditation bodies, other users of environmental data.
Project Need: The revisions will improve the module by resolving previously submitted SIRs, adding clarity, improving usability of the Module by Accrediting Bodies, and harmonizing requirements between all volumes and modules pertaining to proficiency testing.
Scope: The Proficiency Testing Expert Committee (the Consensus Standards group responsible for this Module) has received a number of comments to clarify sections of the Module. While the entire Module will undergo review, the sections of the Module determined to require specific attention are those relating to consistency with ISO/IEC requirements, distinctions between primary and secondary Accreditation Body requirements, and clarification of requirements resulting from proposed changes to V1M1.

# Call for Comment on Standards Proposals

## American National Standards

This section solicits public comments on proposed draft new American National Standards, including the national adoption of ISO and IEC standards as American National Standards, and on proposals to revise, reaffirm or withdraw approval of existing American National Standards. A draft standard is listed in this section under the ANSI-accredited standards developer (ASD) that sponsors it and from whom a copy may be obtained. Comments in connection with a draft American National Standard must be submitted in writing to the ASD no later than the last day of the comment period specified herein. Such comments shall be specific to the section (s) of the standard under review and include sufficient detail so as to enable the reader to understand the commenter's position, concerns and suggested alternative language, if appropriate. Please note that the ANSI Executive Standards Council (ExSC) has determined that an ASD has the right to require that interested parties submit public review comments electronically, in accordance with the developer's procedures.

**Ordering Instructions for "Call-for-Comment" Listings**

1. Order from the organization indicated for the specific proposal.
2. Use the full identification in your order, including the BSR prefix; for example, Electric Fuses BSR/SAE J554.
3. Include remittance with all orders.
4. BSR proposals will not be available after the deadline of call for comment.

Comments should be addressed to the organization indicated, with a copy to the Board of Standards Review, American National Standards Institute, 25 West 43rd Street, New York, NY 10036. e-mail: psa@ansi.org
* Standard for consumer products

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## Comment Deadline: February 20, 2022

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

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

***Addenda***

BSR/ASHRAE/ICC/IES/USGBC Addendum l to BSR/ASHRAE/ICC/IES/USGBC Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020)
This addendum proposes new definitions for power purchase agreements (financial and physical) and a revision to the existing definition for renewable energy certificate (REC). Together with some additional adjustments to Section 7.4.1.1 language, these definitions improve the clarity of the standard's renewable energy requirements.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

***Addenda***

BSR/ASRHAE/ICC/USGBC/IES Addendum w to BSR/ASRHAE/ICC/USGBC/IES Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020)
This revision to Addendum w increases the stringency of building envelope airtightness requirements. Buildings under 100,000 square feet are expected to perform better than 90.1 buildings; specifically, air leakage rates must measure below 0.35 cfm/square feet and performance in the 0.2 – 0.35 range will trigger an inspection.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

# Comment Deadline: February 20, 2022

## NSF (NSF International)

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

***Revision***

BSR/NSF 49-202x (i162r2), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2020)
This Standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to biosafety levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this Standard. This Standard includes basic requirements for the design, construction, and performance of biosafety cabinets (BSCs) that are intended to provide personnel, product, and environmental protection; reliable operation; durability and structural stability; cleanability; limitations on noise level; illumination; vibration; and motor/blower performance.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: arose@nsf.org

## UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Jonette.A.Herman@ul.org, https://ul.org/

***Revision***

BSR/UL 1310-202x, Standard for Class 2 Power Units (revision of ANSI/UL 1310-2019)
The following is proposed: (1) Addition of requirements to allow electronic medium for Installation Instructions and other required instructions, and (2) Revised marking for products with USB-type outlets.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

## UL (Underwriters Laboratories)

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

***Revision***

BSR/UL 120002-202x, Recommended Practice for Certificates for Equipment for Hazardous (Classified) Locations (revision of ANSI/UL 120002-2009 (R2014))
This proposal provides revisions to the proposal document dated October 29, 2021 per comments received.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

# Comment Deadline: March 7, 2022

## ASABE (American Society of Agricultural and Biological Engineers)

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

### *Revision*

BSR/ASABE S620.1 MONYEAR-202x, Safety for Anhydrous Ammonia Application Equipment (revision and redesignation of ANSI/ASABE S620-MAR2017)
The purpose of this standard is to establish the safety requirements for implements of husbandry used in the local transport and application of anhydrous ammonia for agricultural fertilizer. This standard does not cover bulk storage and handling equipment, manufacture of, or over-the-road bulk transport equipment (other than implements of husbandry) for anhydrous ammonia. This standard is applicable to new equipment manufactured and assembled after the publication of this standard.
Single copy price: $75.00
Obtain an electronic copy from: walsh@asabe.org
Order from: Jean Walsh; walsh@asabe.org
Send comments (copy psa@ansi.org) to: walsh@asabe.org

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

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

### *Addenda*

BSR/ASHRAE/ICC/IES/USGBC Addendum m to BSR/ASHRAE/ICC/IES/USGBC Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020)
This addendum revises Section 7.5, the Energy Performance Option, to reflect updates to source values that have occurred since the publication of 189.1-2020. A new table has been introduced to create alignment between source energy and emissions values used in the standard compared to the latest data from EIA, EPA, NETL, and NREL. This addendum also modifies the method for evaluating energy performance through a new definition/metric called the Zero Carbon Emissions Factor (zCEF), which is based on the ratio of greenhouse gas emissions in the proposed building versus the baseline building.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

# Comment Deadline: March 7, 2022

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

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

### *Addenda*

BSR/ASHRAE/ICC/IES/USGBC Addendum o to BSR/ASHRAE/ICC/IES/USGBC Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020)
This addendum clarifies and simplifies exterior view requirements. Exterior view requirements would no longer be specified for office and healthcare spaces, the latter of which is covered by Standard 189.3. Exterior views would be mandatory for classrooms but optional for areas such as conference rooms, sleeping rooms, and lounges. An increase in the ratio of glazing area to floor area from 7% to 8% is also being proposed to harmonize with the 2018 IBC. Furthermore, this addendum relocates operable glare control from the mandatory to the prescriptive section of the standard, i.e., adjacent to other daylighting requirements that can be satisfied by conducting a simulation in accordance with IES LM-83.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

### *New Standard*

BSR/ASHRAE Standard 228-202x, Standard Method for Evaluating Zero Net Energy and Zero Net Carbon Building Performance (new standard)
ASHRAE Standard 228-202x sets requirements for evaluating whether a building or group of buildings meets a definition of “zero net energy” or whether those buildings meet a definition of “zero net carbon.” It provides a consistent method of expressing qualifications for zero net energy and zero net carbon buildings associated with the design of new buildings and the operation of existing buildings.
Single copy price: $35.00
Obtain an electronic copy from: http://www.ashrae.org/standards-research--technology/public-review-drafts
Order from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

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

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

### *Revision*

BSR/ASHRAE Standard 17-202x, Method of Testing Capacity of Electronic and Thermostatic Refrigerant Expansion Valves (revision of ANSI/ASHRAE Standard 17-2015)
This revision of ANSI/ASHRAE Standard 17-2015 prescribes a method of testing the capacity of electronic and thermostatic refrigerant expansion valves for use in vapor-compression refrigeration systems.
Single copy price: $35.00
Obtain an electronic copy from: http://www.ashrae.org/standards-research--technology/public-review-drafts
Order from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

# Comment Deadline: March 7, 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***

BSR/ASME PCC-2-202x, Repair of Pressure Equipment and Piping (revision of ANSI/ASME PCC-2-2018)
This Standard provides methods for repair of equipment and piping within the scope of ASME Pressure Technology Codes and Standards after they have been placed in service. These repair methods include relevant design, fabrication, examination, and testing practices and may be temporary or permanent, depending on the circumstances. The methods provided in this Standard address the repair of components when repair is deemed necessary based on appropriate inspection and flaw assessment.
Single copy price: Free
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Steven Rossi; rossis@asme.org

## ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | dgreco@atis.org, www.atis.org

***Revision***

BSR/ATIS 0600315-202x, Voltage Levels for DC-Powered Equipment Used in the Telecommunications Environment (revision of ANSI/ATIS 0600315-2018)
This standard establishes requirements and test procedures for voltage ranges and characteristics associated with the input voltage of telecommunications equipment powered from dc power systems in the telecommunications environment. It includes +12, + and -24, -48, + and -130, and 140 VDC.
Single copy price: Free
Obtain an electronic copy from: dgreco@atis.org
Send comments (copy psa@ansi.org) to: dgreco@atis.org

## B11 (B11 Standards, Inc.)

P.O. Box 690905, Houston, TX 77269 | cfelinski@b11standards.org, https://www.b11standards.org/

***Revision***

BSR B11.6-202x, Safety Requirements for Manual Turning Machines (Lathes) with or without Automatic Control (revision of ANSI B11.6-2001 (R2020))
This standard specifies safety requirements for the design, construction, operation and maintenance (including installation, dismantling, and transport) of the general class of manually controlled horizontal and vertical spindle turning machines. Machines covered by this standard are intended to work metals and other man-made materials. This standard also applies to devices that are integral to the machine.
Single copy price: $79.00
Obtain an electronic copy from: dfelinski@b11standards.org
Send comments (copy psa@ansi.org) to: dfelinski@b11standards.org

# Comment Deadline: March 7, 2022

## EOS/ESD (ESD Association, Inc.)

218 W. Court Street, Rome, NY 13440 | jkirk@esda.org, www.esda.org

### *Withdrawal*

ANSI/ESD STM4.2-1998 (R2010), ESD Association Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items - ESD Protective Worksurfaces - Charge Dissipation Characteristics (withdrawal of ANSI/ESD STM4.2-1998 (R2010))
This document provides a test method that measures the charge dissipation characteristics of worksurfaces. To accomplish this, a conductive test object is charged, placed on the worksurface under test, and then removed. The resultant charge on the test object is an indicator of the ability of the tested worksurface to dissipate charge from the test object placed on it. This is only applicable however for the test object specified within this document. This standard test method is designed for use in a laboratory environment for qualification, evaluation or acceptance of worksurfaces and not for periodic testing.
Single copy price: $145.00 (List)/$115.00 (ESD Members) [Hard Cover]; $135.00 (List)/$105.00 (ESD Members) [Soft Cover]
Obtain an electronic copy from: cearl@esda.org
Send comments (copy psa@ansi.org) to: cearl@esda.org

## NFPA (National Fire Protection Association)

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

***NFPA FIRE PROTECTION STANDARDS DOCUMENTATION***
*The National Fire Protection Association announces the availability of the NFPA Second Draft Report for concurrent review and comment by NFPA and ANSI. These Second Draft Reports contain the disposition of public comment(s) that were received for standards in the A2022 Revision Cycle (available for review on the next edition tab for each standard). All Notices of Intent to Make A Motion on the A2022 Revision Cycle Second Draft Report must be received by the following date:* ***February 22, 2022.*** *For more information on the rules and deadlines for NFPA standards in cycle, please check the NFPA website (www.nfpa.org) or contact Standards Administration at NFPA. Those who submit comments to NFPA's online submission system on the A2022 Revision Cycle Standards are invited to copy ANSI's Board of Standards Review.*

### *Revision*

BSR/NFPA 52-202x, Vehicular Natural Gas Fuel Systems Code (revision of ANSI/NFPA 52-2019)
Natural gas is a flammable gas. It is colorless, tasteless, and nontoxic. It is a light gas, weighing about two-thirds as much as air. As used in the systems covered by this standard, it tends to rise and diffuses rapidly in air when it escapes from the system. Natural gas burns in air with a luminous flame. At atmospheric pressure, the ignition temperature of natural gas–air mixtures has been reported to be as low as 900°F (482°C). The flammable limits of natural gas–air mixtures at atmospheric pressure are about 5 percent to 15 percent by volume natural gas. Natural gas is nontoxic but can cause anoxia (asphyxiation) when it displaces the normal 21 percent oxygen in air in a confined area without adequate ventilation. The concentrations at which flammable or explosive mixtures form are much lower than the concentration at which asphyxiation risk is significant. NFPA 704 rating is as follows: (1) Health — 0 (2) Flammability — 4 (3) Reactivity — 0 (4) Special — None Cryogenic fluids are gases that have been liquefied by having their temperature brought below –130°F (–90°C). They are typically stored at low pressures in vacuum-jacketed containers.
Obtain an electronic copy from: www.nfpa.org/52Next
Send comments (copy psa@ansi.org) to: www.nfpa.org/52Next

# Comment Deadline: March 7, 2022

## NFPA (National Fire Protection Association)

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

***Revision***

BSR/NFPA 88A-202x, Standard for Parking Structures (revision of ANSI/NFPA 88A-2019)
This standard shall cover the construction and protection of, as well as the control of hazards in, open and enclosed parking structures. This standard shall not apply to one- and two-family dwellings.
Obtain an electronic copy from: www.nfpa.org/88aNext
Send comments (copy psa@ansi.org) to: www.nfpa.org/88aNext

## NFPA (National Fire Protection Association)

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

***Revision***

BSR/NFPA 301-202x, Code for Safety to Life from Fire on Merchant Vessels (revision of ANSI/NFPA 301-2018)
NFPA 301, Code for Safety to Life from Fire on Merchant Vessels, shall be known as the Merchant Vessel Code and is referred to in this standard as “this code” or “the code.” The code addresses construction, arrangement, protection, and space utilization factors that are necessary to minimize danger to life from fire, smoke, fumes, or panic. It also provides for reasonable protection against property damage and avoidance of environmental damage consistent with the normal operation of vessels. Fundamental requirements applicable to all vessels are found in Chapters 1 through 9. These fundamental requirements are modified in Chapters 10 through 18 as applicable for any type of space. The requirements in Chapters 1 through 18 are modified in Chapters 19 through 21 as applicable for any given vessel type. For example, a passenger vessel would follow the requirements of Chapters 1 through 18 and Chapter 21. The code identifies the minimum criteria for the design of egress facilities so as to permit prompt escape of passengers and crew to safe areas aboard vessels and, where necessary, to survival craft embarkation stations. The code recognizes that life safety is more than a matter of...
Obtain an electronic copy from: www.nfpa.org/301Next
Send comments (copy psa@ansi.org) to: www.nfpa.org/301Next

## NFPA (National Fire Protection Association)

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

***Revision***

BSR/NFPA 557-202x, Standard for Determination of Fire Loads for Use in Structural Fire Protection Design (revision of ANSI/NFPA 557-2020)
The scope of this standard is the determination of the fire load and fire load density to be used as the basis for the evaluation and design of the structural fire performance of a building. The determination of a design-basis fire is outside the scope of this standard. This document is not intended to address facilities for storage of hazardous materials. Examples of hazardous materials include combustible dusts, flammable and combustible liquids, flammable solids, oxidizers, and oxidizer-containing waste. Information on such occupancies is contained in NFPA 400, Hazardous Materials Code.
Obtain an electronic copy from: www.nfpa.org/557Next
Send comments (copy psa@ansi.org) to: www.nfpa.org/557Next

# Comment Deadline: March 7, 2022

## NFPA (National Fire Protection Association)

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

***Revision***

BSR/NFPA 1082-202x, Standard for Facilities Fire and Life Safety Director Professional Qualifications (revision of ANSI/NFPA 1082-2020)
This standard identifies the minimum job performance requirements (JPRs) for Building Fire and Life Safety Directors.
Obtain an electronic copy from: www.nfpa.org/1082Next
Send comments (copy psa@ansi.org) to: www.nfpa.org/1082Next

## NFPA (National Fire Protection Association)

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

***Revision***

BSR/NFPA 2112-202x, Standard on Flame-Resistant Clothing for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire (revision of ANSI/NFPA 2112-2018)
The standard shall specify the minimum performance requirements and test methods for flame-resistant fabrics and components and the design and certification requirements for garments for use in areas at risk from flash fires.
Obtain an electronic copy from: www.nfpa.org/2112Next
Send comments (copy psa@ansi.org) to: Same

## SAAMI (Sporting Arms and Ammunition Manufacturers Institute)

11 Mile Hill Road, Newtown, CT 06470-2359 | bosowiecki@saami.org, www.saami.org

***Revision***

BSR/SAAMI Z299.3-202x, Voluntary Industry Performance Standards for Pressure and Velocity of Centerfire Pistol and Revolver Ammunition for the Use of Commercial Manufacturers (revision of ANSI/SAAMI Z299.3-2015)
In the interests of safety and interchangeability, this Standard provides pressure and velocity performance and dimensional characteristics for centerfire pistol and revolver sporting ammunition and their respective chambers. Included are procedures and equipment for determining these criteria.
Single copy price: $35.00 (ANSI Members); $45.00 (Non-Members)
Obtain an electronic copy from: bosowiecki@saami.org
Send comments (copy psa@ansi.org) to: Brian Osowiecki, bosowiecki@saami.org

## UL (Underwriters Laboratories)

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

***Reaffirmation***

BSR/UL 10A-2009a (R202x), Standard for Tin-Clad Fire Doors (January 21, 2022) (reaffirmation of ANSI/UL 10A -2009a (R2018))
This proposal covers: (1) Reaffirmation and continuance of the twenty-first edition of the Standard for Tin-Clad Fire Doors, UL 10A, as a standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

# Comment Deadline: March 7, 2022

## UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Jonette.A.Herman@ul.org, https://ul.org/

### *Reaffirmation*

BSR/UL 1004-6-2012 (R202x), Standard for Safety for Servo and Stepper Motors (reaffirmation of ANSI/UL 1004-6 -2012 (R2017))
Reaffirmation of UL 1004-6, which covers servo and stepper motors.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

## UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Jonette.A.Herman@ul.org, https://ul.org/

### *Reaffirmation*

BSR/UL 60034-2-1-2017 (R202x), Standard for Safety for Rotating Electrical Machines - Part 2-1: Standard methods for determining losses and efficiency from tests (excluding machines for traction vehicles) (reaffirmation of ANSI/UL 60034-2-1-2017)
Reaffirmation of UL 60034-2-1, which is an identical adoption of IEC 60034-2-1 and which is intended to establish methods of determining efficiencies from tests, and also to specify methods of obtaining specific losses. This standard applies to d.c. machines and to a.c. synchronous and induction machines of all sizes within the scope of UL 60034-1 (IEC 60034-1).
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

## UL (Underwriters Laboratories)

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

### *Reaffirmation*

BSR/UL 920401, Part 1-2007 (R202x), Standard for Safety for Performance Requirements for Instruments Used to Detect Oxygen-Deficient/Oxygen-Enriched Atmospheres (reaffirmation of ANSI/UL 920401, Part 1-2007 (R2017))
This proposal for UL 920401 covers: the reaffirmation and continuance of the first edition of the Standard for Safety for Performance Requirements for Instruments Used to Detect Oxygen-Deficient/Oxygen-Enriched Atmospheres, UL 920401, as an standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

# Comment Deadline: March 7, 2022

## UL (Underwriters Laboratories)

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

***Revision***

BSR/UL 252-202x, Standard for Safety for Compressed Gas Regulators (revision of ANSI/UL 252-2018)
(1) Merging ULC/ORD-C252, Guide for the Compressed Gas Regulators, with UL 252, Compressed Gas Regulators, as a single Joint Canada-US Standard
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

## UL (Underwriters Laboratories)

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

***Revision***

BSR/UL 252A-202x, Standard for Safety for Compressed Gas Regulator Accessories (revision of ANSI/UL 252A -2019)
(1) Creating a joint standard, UL/ULC 252A, Standard for Compressed Gas Regulator Accessories, for US and Canada by adding requirements to cover Canadian issues and also adding a section for hydrogen material and an embrittlement test.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

## UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | patricia.a.sena@ul.org, https://ul.org/

***Revision***

BSR/UL 1008-202X, Standard for Safety for Transfer Switch Equipment (revision of ANSI/UL 1008-2018)
(1) Proposed ninth edition of the Standard for Transfer Switch Equipment, UL 1008, including the following revisions: (a) marking requirements; (b) scope of annex J; (c) miscellaneous updates; (d) Table 2; (e) revised LSI circuit breaker markings in annex I; (f) proposed new annex K for arc resistant design; (g) proposed new annex L for electromagnetic compatibility; (h) proposed Annex M for Cord Connected Transfer Switch Equipment; (i) revised marking/instruction for short-circuit withstand rating when protected by fuses; (j) revision of requirements for transfer switches with integral inlets; (k) Table 25; (l) proposed changes to align with the 2020 NEC; (m) proposed revisions for inlets rated 100A and greater for compliance with the 2020 NEC; (n) proposed new annex N for combination meter/transfer equipment assemblies.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

# Comment Deadline: March 7, 2022

## UL (Underwriters Laboratories)

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

***Revision***

BSR/UL 1241-202x, Standard for Safety for Junction Boxes for Swimming Pool Luminaires (revision of ANSI/UL 1241-2019)
This proposal for UL 1241 covers: (1) grounding terminations, and (2) impact test low temperature conditioning.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

# Comment Deadline: March 22, 2022

## ASME (American Society of Mechanical Engineers)

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

***Revision***

BSR/ASME N511-202x, In-Service Testing of Nuclear Air Treatment, Heating, Ventilating, and Air-Conditioning Systems (revision of ANSI/ASME N511-2017)
This Standard covers the requirements for in-service testing of nuclear air-treatment, heating, ventilating, and air-conditioning systems within nuclear facilities.
Single copy price: Free
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Robert Ryan; ryanr@asme.org

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

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

***National Adoption***

INCITS/ISO/IEC 23360-1-1:2021 [202x], Linux Standard Base (LSB) - Part 1-1: Common definitions (identical national adoption of ISO/IEC 23360-1-1:2021 and revision of INCITS/ISO/IEC 23360-1:2006 [R2020])
Part 1-1 defines the Common definitions, a system interface for compiled applications and a minimal environment for support of installation scripts. Its purpose is to enable a uniform industry standard environment for high-volume applications conforming to the LSB.
Single copy price: $73.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

# Comment Deadline: March 22, 2022

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

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

***National Adoption***

INCITS/ISO/IEC 23360-1-2:2021 [202x], Linux Standard Base (LSB) - Part 1-2: Core specification generic part (identical national adoption of ISO/IEC 23360-1-2:2021 and revision of INCITS/ISO/IEC 23360-1:2006 [R2020])
Part 1-2 defines the Core specification generic part, a system interface for compiled applications and a minimal environment for support of installation scripts. Its purpose is to enable a uniform industry standard environment for high-volume applications conforming to the LSB.
Single copy price: $250.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

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

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

***National Adoption***

INCITS/ISO/IEC 23360-1-3:2021 [202x], Linux Standard Base (LSB) - Part 1-3: Desktop specification generic part (identical national adoption of ISO/IEC 23360-1-3:2021 and revision of INCITS/ISO/IEC 23360-1:2006 [R2020])
Part 1-3 defines the Desktop specification generic part, a system interface for compiled applications and a minimal environment for support of installation scripts. Its purpose is to enable a uniform industry standard environment for high-volume applications conforming to the LSB.
Single copy price: $250.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

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

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

***National Adoption***

INCITS/ISO/IEC 23360-1-4:2021 [202x], Linux Standard Base (LSB) - Part 1-4: Languages specification (identical national adoption of ISO/IEC 23360-1-4:2021 and revision of INCITS/ISO/IEC 23360-1:2006 [R2020])
Part 1-4 defines the LSB Languages specification and defines components for runtime languages which are found on an LSB conforming system.
Single copy price: $250.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

# Comment Deadline: March 22, 2022

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***National Adoption***

INCITS/ISO/IEC 23360-1-5:2021 [202x], Linux Standard Base (LSB) - Part 1-5: Imaging specification (identical national adoption of ISO/IEC 23360-1-5:2021 and revision of INCITS/ISO/IEC 23360-1:2006 [R2020])
Part 1-5 is the Imaging module of the Linux Standard Base (LSB). This module provides the fundamental system interfaces, libraries, and runtime environment upon which conforming applications and libraries requiring the LSB Imaging module depend. Interfaces described in LSB Imaging are mandatory except where explicitly listed otherwise. Interfaces described in the LSB Imaging module supplement those described in the LSB Core module. They do not depend on other LSB modules.
Single copy price: $250.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

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

***National Adoption***

INCITS/ISO/IEC 23360-2-2:2021 [202x], Linux Standard Base (LSB) - Part 2-2: Core specification for X86-32 architecture (identical national adoption of ISO/IEC 23360-2-2:2021 and revision of INCITS/ISO/IEC 23360-2:2006 [R2020])
Part 2-2 defines the Core specification for X86-32 architecture, a system interface for compiled applications and a minimal environment for support of installation scripts. Its purpose is to enable a uniform industry standard environment for high-volume applications conforming to the LSB.
Single copy price: $250.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

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***National Adoption***

INCITS/ISO/IEC 23360-2-3:2021 [202x], Linux Standard Base (LSB) - Part 2-3: Desktop specification for X86-32 architecture (identical national adoption of ISO/IEC 23360-2-3:2021 and revision of INCITS/ISO/IEC 23360-2:2006 [R2020])
Part 2-3 defines the Desktop specification for X86-32 architecture, a system interface for compiled applications and a minimal environment for support of installation scripts. Its purpose is to enable a uniform industry standard environment for high-volume applications conforming to the LSB.
Single copy price: $250.00
Obtain an electronic copy from: http://webstore.ansi.org/
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Send comments (copy psa@ansi.org) to: comments@standards.incits.org

# Comment Deadline: March 22, 2022

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

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

***National Adoption***

INCITS/ISO/IEC 23360-3-2:2021 [202x], Linux Standard Base (LSB) - Part 3-2: Core specification for IA64 (Itanium™) architecture (identical national adoption of ISO/IEC 23360-3-2:2021 and revision of INCITS/ISO/IEC 23360-3:2006 [R2020])
Part 3-2 defines the Core specification for IA64 (Itanium™) architecture, a system interface for compiled applications and a minimal environment for support of installation scripts. Its purpose is to enable a uniform industry standard environment for high-volume applications conforming to the LSB.
Single copy price: $250.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
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***National Adoption***

INCITS/ISO/IEC 23360-3-3:2021 [202x], Linux Standard Base (LSB) - Part 3-3: Desktop specification for IA64 (Itanium™) architecture (identical national adoption of ISO/IEC 23360-3-3:2021 and revision of INCITS/ISO/IEC 23360-3:2006 [R2020])
Part 3-3 defines the Desktop specification for IA64 (Itanium TM) architecture, a system interface for compiled applications and a minimal environment for support of installation scripts. Its purpose is to enable a uniform industry standard environment for high-volume applications conforming to the LSB.
Single copy price: $250.00
Obtain an electronic copy from: http://webstore.ansi.org/
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Send comments (copy psa@ansi.org) to: comments@standards.incits.org

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

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***National Adoption***

INCITS/ISO/IEC 23360-4-2:2021 [202x], Linux Standard Base (LSB) - Part 4-2: Core specification for AMD64 (X86 -64) architecture (identical national adoption of ISO/IEC 23360-4-2:2021 and revision of INCITS/ISO/IEC 23360 -4:2006 [R2020])
Part 4-2 defines the Core specification for AMD64 (X86-64) architecture, a system interface for compiled applications and a minimal environment for support of installation scripts. Its purpose is to enable a uniform industry standard environment for high-volume applications conforming to the LSB.
Single copy price: $250.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

# Comment Deadline: March 22, 2022

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

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***National Adoption***

INCITS/ISO/IEC 23360-4-3:2021 [202x], Linux Standard Base (LSB) - Part 4-3: Desktop specification for AMD64 (X86-64) architecture (identical national adoption of ISO/IEC 23360-4-3:2021 and revision of INCITS/ISO/IEC 23360-4:2006 [R2020])
Part 4-3 defines the Desktop specification for AMD64 (X86-64) architecture, a system interface for compiled applications and a minimal environment for support of installation scripts. Its purpose is to enable a uniform industry standard environment for high-volume applications conforming to the LSB.
Single copy price: $250.00
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***National Adoption***

INCITS/ISO/IEC 23360-5-2:2021 [202x], Linux Standard Base (LSB) - Part 5-2: Core specification for PowerPC 32 architecture (identical national adoption of ISO/IEC 23360-5-2:2021 and revision of INCITS/ISO/IEC 23360-5:2006 [R2020])
Part 5-2 defines the Core specification for PowerPC 32 architecture, a system interface for compiled applications and a minimal environment for support of installation scripts. Its purpose is to enable a uniform industry standard environment for high-volume applications conforming to the LSB.
Single copy price: $250.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

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

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

***National Adoption***

INCITS/ISO/IEC 23360-5-3:2021 [202x], Linux Standard Base (LSB) - Part 5-3: Desktop specification for PowerPC 32 architecture (identical national adoption of ISO/IEC 23360-5-3:2021 and revision of INCITS/ISO/IEC 23360-5:2006 [R2020])
Part 5-3 defines the Desktop specification for PowerPC 32 architecture, a system interface for compiled applications and a minimal environment for support of installation scripts. Its purpose is to enable a uniform industry standard environment for high-volume applications conforming to the LSB.
Single copy price: $250.00
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Send comments (copy psa@ansi.org) to: comments@standards.incits.org

# Comment Deadline: March 22, 2022

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

***National Adoption***

INCITS/ISO/IEC 23360-6-2:2021 [202x], Linux Standard Base (LSB) - Part 6-2: Core specification for PowerPC 64 architecture (identical national adoption of ISO/IEC 23360-6-2:2021 and revision of INCITS/ISO/IEC 23360-6:2006 [R2020])
Part 6-2 defines the Core specification for PowerPC 64 architecture, a system interface for compiled applications and a minimal environment for support of installation scripts. Its purpose is to enable a uniform industry standard environment for high-volume applications conforming to the LSB.
Single copy price: $250.00
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700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

***National Adoption***

INCITS/ISO/IEC 23360-6-3:2021 [202x], Linux Standard Base (LSB) - Part 6-3: Desktop specification for PowerPC 64 architecture (identical national adoption of ISO/IEC 23360-6-3:2021 and revision of INCITS/ISO/IEC 23360-6:2006 [R2020])
Part 6-3 defines the Desktop specification for PowerPC 64 architecture, a system interface for compiled applications and a minimal environment for support of installation scripts. Its purpose is to enable a uniform industry standard environment for high-volume applications conforming to the LSB.
Single copy price: $250.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

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

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

***National Adoption***

INCITS/ISO/IEC 23360-7-2:2021 [202x], Linux Standard Base (LSB) - Part 7-2: Core specification for S390 architecture (identical national adoption of ISO/IEC 23360-7-2:2021 and revision of INCITS/ISO/IEC 23360-7:2006 [R2020])
Part 7-2 defines the Core specification for S390 architecture, a system interface for compiled applications and a minimal environment for support of installation scripts. Its purpose is to enable a uniform industry standard environment for high-volume applications conforming to the LSB.
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Obtain an electronic copy from: http://webstore.ansi.org/
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Send comments (copy psa@ansi.org) to: comments@standards.incits.org

# Comment Deadline: March 22, 2022

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

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

***National Adoption***

INCITS/ISO/IEC 23360-7-3:2021 [202x], Linux Standard Base (LSB) - Part 7-3: Desktop specification for S390 architecture (identical national adoption of ISO/IEC 23360-7-3:2021 and revision of INCITS/ISO/IEC 23360-7:2006 [R2020])
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## ITI (INCITS) (InterNational Committee for Information Technology Standards)

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

***National Adoption***

INCITS/ISO/IEC 23360-8-2:2021 [202x], Linux Standard Base (LSB) - Part 8-2: Core specification for S390X architecture (identical national adoption of ISO/IEC 23360-8-2:2021 and revision of INCITS/ISO/IEC 23360-8:2006 [R2020])
Part 8-2 defines the Core specification for S390X architecture, a system interface for compiled applications and a minimal environment for support of installation scripts. Its purpose is to enable a uniform industry standard environment for high-volume applications conforming to the LSB.
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Send comments (copy psa@ansi.org) to: comments@standards.incits.org

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

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

***National Adoption***

INCITS/ISO/IEC 23360-8-3:2021 [202x], Linux Standard Base (LSB) - Part 8-3: Desktop specification for S390X architecture (identical national adoption of ISO/IEC 23360-8-3:2021 and revision of INCITS/ISO/IEC 23360-8:2006 [R2020])
Part 8-3 defines the Desktop specification for S390X architecture, a system interface for compiled applications and a minimal environment for support of installation scripts. Its purpose is to enable a uniform industry standard environment for high-volume applications conforming to the LSB.
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Send comments (copy psa@ansi.org) to: comments@standards.incits.org

# Comment Deadline: March 22, 2022

## UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 | alan.t.mcgrath@ul.org, https://ul.org/

### *National Adoption*

BSR/UL 61058-2-1-202X, Standard for Switches for Appliances - Part 2: Particular Requirements for Cord Switches (identical national adoption of IEC 61058-2-1)
IEC 61058-2-1 Ed. 3 is the IEC Standard for Switches for Appliances - Part 2: Particular Requirements for Cord Switches. The third edition was published in August 2018. This document applies to cord switches (mechanical or electronic) for appliances actuated by hand, by foot, or by other human activity, to operate or control electrical appliances and other equipment for household or similar purposes with a rated voltage not exceeding 250 V and a rated current not exceeding 16 A. UL is now proposing to adopt IEC 61058-2-1 as a UL standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

# 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.

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

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

*Revision*
ANSI/ASHRAE Standard 103-2022, Method of Testing for Annual Fuel Utilization Efficiency of Residential Central Furnaces and Boilers (revision of ANSI/ASHRAE Standard 103-2017) Final Action Date: 1/10/2022

*Withdrawal*
ANSI/ASHRAE Standard 137-2013 (R2017), Methods of Testing for Efficiency of Space-Conditioning/Water-Heating Appliances that Includes a Desuperheater Water Heater (withdrawal of ANSI/ASHRAE Standard 137-2013 (R2017)) Final Action Date: 1/11/2022

## ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | dgreco@atis.org, www.atis.org

*New Standard*
ANSI/ATIS 0600038-2022, Intrusion Protection for Outside Plant (OSP) Enclosures (new standard) Final Action Date: 1/13/2022

*New Standard*
ANSI/ATIS 0600041-2022, Security Requirements for Telecommunications Equipment Structures (new standard) Final Action Date: 1/13/2022

*Reaffirmation*
ANSI/ATIS 1000059-2017 (R2022), ETS Wireline Access Requirements (reaffirmation of ANSI/ATIS 1000059-2017) Final Action Date: 1/13/2022

*Revision*
ANSI/ATIS 0600015.10-2022, Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting DC Power Plant - Inverter Requirements (revision of ANSI/ATIS 0600015.10-2015) Final Action Date: 1/13/2022

*Stabilized Maintenance*
ANSI/ATIS 1000045-2012 (S2022), ATIS NGN Identity Management Mechanisms (stabilized maintenance of ANSI/ATIS 1000045-2012 (R2017)) Final Action Date: 1/13/2022

*Stabilized Maintenance*
ANSI/ATIS 1000050-2012 (S2022), Next Generation Network (NGN) Operator Regular Intercept Standard (stabilized maintenance of ANSI/ATIS 1000050-2012 (R2017)) Final Action Date: 1/13/2022

## BOMA (Building Owners and Managers Association)

1101 15th Street, NW, Suite 800, Washington, DC 20005 | lprats@boma.org, www.boma.org

*Revision*
ANSI/BOMA Z65.6-2021, BOMA 2021 for Mixed-Use Properties: Standard Method of Measurement (revision of ANSI/BOMA Z65.6-2012) Final Action Date: 1/13/2022

## CSA (CSA America Standards Inc.)

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

*Reaffirmation*
ANSI Z21.40.1-1996 (R2022) and Z21.40.1a-1997 (R2022), Gas-fired Heat Activiated Air Conditioning and Heat Pump Appliances (reaffirmation of ANSI Z21.40.1-1996 (R2017) and Z21.40.1a-1997 (R2017)) Final Action Date: 1/10/2022

## NEMA (ASC C82) (National Electrical Manufacturers Association)

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

*New Standard*
ANSI C82.18-2022, Light Emitting Diode Drivers - Performance Characteristics (new standard) Final Action Date: 1/11/2022

*Revision*
ANSI C82.16-2022, Light Emitting Diode Drivers - Methods of Measurement (revision of ANSI C82.16-2020) Final Action Date: 1/10/2022

## NISO (National Information Standards Organization)

3600 Clipper Mill Road, Suite 302, Baltimore, MD 21211 | nlagace@niso.org, www.niso.org

*New Standard*
ANSI/NISO Z39.104-2022, Contributor Roles Taxonomy (CRediT) (new standard) Final Action Date: 1/14/2022

## NSF (NSF International)

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

*Revision*
ANSI/NSI 373-2022 (i6r1), Sustainability Assessment - Natural Dimension Stone (revision and redesignation of ANSI/NSC 373-2019) Final Action Date: 1/9/2022

## PDA (Parenteral Drug Association)

Bethesda Towers, 4350 East-West Highway, Suite 600, Bethesda, MD 20814 | roberts@pda.org, www.pda.org

*New Standard*
ANSI/PDA Standard 02-2021, Cryopreservation of Cells for Use in Cell Therapies, Gene Therapies, and Regenerative Medicine Manufacturing: An Introduction and Best Practices Approach on How to Prepare, Cryopreserve, and Recover Cells, Cell Lines, and Cell-Based Tissue Products (new standard) Final Action Date: 12/13/2021

## SCTE (Society of Cable Telecommunications Engineers)

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

*New Standard*
ANSI/SCTE 265-2021, Broadband Radio Frequency Hardline Passives for Cable Systems (new standard) Final Action Date: 1/14/2022

*Reaffirmation*
ANSI/SCTE 65-2016 (R2021), Service Information Delivered Out-Of-Band For Digital Cable Television (reaffirmation of ANSI/SCTE 65-2016) Final Action Date: 1/14/2022

*Reaffirmation*
ANSI/SCTE 165-2-2016 (R2021), IPCablecom 1.5 Part 2: Audio/Video Codecs (reaffirmation of ANSI/SCTE 165-2-2016) Final Action Date: 1/14/2022

## SCTE (Society of Cable Telecommunications Engineers)

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

*Reaffirmation*
ANSI/SCTE 165-3-2016 (R2021), IPCablecom 1.5 Part 3: Network-Based Call Signaling Protocol (reaffirmation of ANSI/SCTE 165-3-2016) Final Action Date: 1/14/2022

*Reaffirmation*
ANSI/SCTE 165-12-2016 (R2021), IPCablecom 1.5 Part 12: PSTN Gateway Call Signaling Protocol (reaffirmation of ANSI/SCTE 165-12-2016) Final Action Date: 1/14/2022

*Reaffirmation*
ANSI/SCTE 165-18-2016 (R2021), IPCablecom 1.5 Part 18: CMS to CMS Signaling (reaffirmation of ANSI/SCTE 165-18 -2016) Final Action Date: 1/14/2022

*Reaffirmation*
ANSI/SCTE 165-21-2016 (R2021), IPCablecom 1.5 Part 21: Signaling Extension MIB (reaffirmation of ANSI/SCTE 165-21 -2016) Final Action Date: 1/14/2022

*Reaffirmation*
ANSI/SCTE 173-1-2017 (R2021), Requirements for Preferential Telecommunications over IPCablecom Networks (reaffirmation of ANSI/SCTE 173-1-2017) Final Action Date: 1/14/2022

*Revision*
ANSI/SCTE 48-1-2021, Test Method for Measuring Shielding Effectiveness of Passive and Active Devices Using a GTEM Cell (revision of ANSI/SCTE 48-1-2015) Final Action Date: 1/14/2022

*Revision*
ANSI/SCTE 63-2021, Test Method for Voltage/Spark Test of Outer Jacket (revision of ANSI/SCTE 63-2015) Final Action Date: 1/14/2022

*Revision*
ANSI/SCTE 151-2021, Mechanical, Electrical, and Environmental Requirements for RF Traps and Filters (revision of ANSI/SCTE 151-2015) Final Action Date: 1/14/2022

## UL (Underwriters Laboratories)

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

*Reaffirmation*
ANSI/UL 920004-2014 (R2022), Standard for Safety for Performance Requirements for Open-Path Toxic Gas Detectors (reaffirmation of ANSI/UL 920004-2014 (R2017)) Final Action Date: 1/13/2022

*Revision*
ANSI/UL 162-2022, Standard for Foam Equipment and Liquid Concentrates (November 19, 2021) (revision of ANSI/UL 162-2018) Final Action Date: 1/13/2022

*Revision*
ANSI/UL 1425-2022, Standard for Safety for Cables for Non-Power-Limited Fire-Alarm Circuits (revision of ANSI/UL 1425-2010 (R2020)) Final Action Date: 1/14/2022

*Revision*
ANSI/UL 2239-2022, Standard for Hardware for the Support of Conduit, Tubing, and Cable (revision of ANSI/UL 2239 -2019) Final Action Date: 1/14/2022

# 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.

## ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | dgreco@atis.org, www.atis.org

BSR/ATIS 0600315-202x, Voltage Levels for DC-Powered Equipment Used in the Telecommunications Environment (revision of ANSI/ATIS 0600315-2018)

## EOS/ESD (ESD Association, Inc.)

218 W. Court Street, Rome, NY 13440 | jkirk@esda.org, www.esda.org

ANSI/ESD STM4.2-1998 (R2010), ESD Association Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items - ESD Protective Worksurfaces - Charge Dissipation Characteristics (withdrawal of ANSI/ESD STM4.2-1998 (R2010))

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

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

INCITS/ISO/IEC 23360-1-1:2021 [202x], Linux Standard Base (LSB) - Part 1-1: Common definitions (identical national adoption of ISO/IEC 23360-1-1:2021 and revision of INCITS/ISO/IEC 23360-1:2006 [R2020])

INCITS/ISO/IEC 23360-1-2:2021 [202x], Linux Standard Base (LSB) - Part 1-2: Core specification generic part (identical national adoption of ISO/IEC 23360-1-2:2021 and revision of INCITS/ISO/IEC 23360 -1:2006 [R2020])

INCITS/ISO/IEC 23360-1-3:2021 [202x], Linux Standard Base (LSB) - Part 1-3: Desktop specification generic part (identical national adoption of ISO/IEC 23360-1-3:2021 and revision of INCITS/ISO/IEC 23360-1:2006 [R2020])

INCITS/ISO/IEC 23360-1-4:2021 [202x], Linux Standard Base (LSB) - Part 1-4: Languages specification (identical national adoption of ISO/IEC 23360-1-4:2021 and revision of INCITS/ISO/IEC 23360-1:2006 [R2020])

INCITS/ISO/IEC 23360-1-5:2021 [202x], Linux Standard Base (LSB) - Part 1-5: Imaging specification (identical national adoption of ISO/IEC 23360-1-5:2021 and revision of INCITS/ISO/IEC 23360-1:2006 [R2020])

INCITS/ISO/IEC 23360-2-2:2021 [202x], Linux Standard Base (LSB) - Part 2-2: Core specification for X86 -32 architecture (identical national adoption of ISO/IEC 23360-2-2:2021 and revision of INCITS/ISO/IEC 23360-2:2006 [R2020])

INCITS/ISO/IEC 23360-2-3:2021 [202x], Linux Standard Base (LSB) - Part 2-3: Desktop specification for X86-32 architecture (identical national adoption of ISO/IEC 23360-2-3:2021 and revision of INCITS/ISO/IEC 23360-2:2006 [R2020])

INCITS/ISO/IEC 23360-3-2:2021 [202x], Linux Standard Base (LSB) - Part 3-2: Core specification for IA64 (Itanium™) architecture (identical national adoption of ISO/IEC 23360-3-2:2021 and revision of INCITS/ISO/IEC 23360-3:2006 [R2020])

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

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

INCITS/ISO/IEC 23360-3-3:2021 [202x], Linux Standard Base (LSB) - Part 3-3: Desktop specification for IA64 (Itanium™) architecture (identical national adoption of ISO/IEC 23360-3-3:2021 and revision of INCITS/ISO/IEC 23360-3:2006 [R2020])

INCITS/ISO/IEC 23360-4-2:2021 [202x], Linux Standard Base (LSB) - Part 4-2: Core specification for AMD64 (X86-64) architecture (identical national adoption of ISO/IEC 23360-4-2:2021 and revision of INCITS/ISO/IEC 23360-4:2006 [R2020])

INCITS/ISO/IEC 23360-4-3:2021 [202x], Linux Standard Base (LSB) - Part 4-3: Desktop specification for AMD64 (X86-64) architecture (identical national adoption of ISO/IEC 23360-4-3:2021 and revision of INCITS/ISO/IEC 23360-4:2006 [R2020])

INCITS/ISO/IEC 23360-5-2:2021 [202x], Linux Standard Base (LSB) - Part 5-2: Core specification for PowerPC 32 architecture (identical national adoption of ISO/IEC 23360-5-2:2021 and revision of INCITS/ISO/IEC 23360-5:2006 [R2020])

INCITS/ISO/IEC 23360-5-3:2021 [202x], Linux Standard Base (LSB) - Part 5-3: Desktop specification for PowerPC 32 architecture (identical national adoption of ISO/IEC 23360-5-3:2021 and revision of INCITS/ISO/IEC 23360-5:2006 [R2020])

INCITS/ISO/IEC 23360-6-2:2021 [202x], Linux Standard Base (LSB) - Part 6-2: Core specification for PowerPC 64 architecture (identical national adoption of ISO/IEC 23360-6-2:2021 and revision of INCITS/ISO/IEC 23360-6:2006 [R2020])

INCITS/ISO/IEC 23360-6-3:2021 [202x], Linux Standard Base (LSB) - Part 6-3: Desktop specification for PowerPC 64 architecture (identical national adoption of ISO/IEC 23360-6-3:2021 and revision of INCITS/ISO/IEC 23360-6:2006 [R2020])

INCITS/ISO/IEC 23360-7-2:2021 [202x], Linux Standard Base (LSB) - Part 7-2: Core specification for S390 architecture (identical national adoption of ISO/IEC 23360-7-2:2021 and revision of INCITS/ISO/IEC 23360-7:2006 [R2020])

INCITS/ISO/IEC 23360-7-3:2021 [202x], Linux Standard Base (LSB) - Part 7-3: Desktop specification for S390 architecture (identical national adoption of ISO/IEC 23360-7-3:2021 and revision of INCITS/ISO/IEC 23360-7:2006 [R2020])

INCITS/ISO/IEC 23360-8-2:2021 [202x], Linux Standard Base (LSB) - Part 8-2: Core specification for S390X architecture (identical national adoption of ISO/IEC 23360-8-2:2021 and revision of INCITS/ISO/IEC 23360-8:2006 [R2020])

INCITS/ISO/IEC 23360-8-3:2021 [202x], Linux Standard Base (LSB) - Part 8-3: Desktop specification for S390X architecture (identical national adoption of ISO/IEC 23360-8-3:2021 and revision of INCITS/ISO/IEC 23360-8:2006 [R2020])

## NSF (NSF International)

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

BSR/NSF 49-202x (i162r2), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2020)

# Call for Members (ANS Consensus Bodies)

## 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 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

# Call for Members (ANS Consensus Bodies)

## ANSI Accredited Standards Developer

### NCPDP - National Council for Prescription Drug Programs

**Enrollment in the 2022 Consensus Group opens January 10, 2022 and closes February 11, 2022.**

**National Council for Prescription Drug Programs (NCPDP)** Enrollment in the 2022 Consensus Group opens **Monday, January 10, 2022** and closes at **8:00 p.m. EST on Friday, February 11, 2022.** Information concerning the Consensus Group registration process is available by contacting: Margaret Weiker, (480) 477-1000, mweiker@ncpdp.org

**Standards:**

— Audit Transaction Standard – supports an electronic audit transaction that facilitates requests, responses, and final outcomes transmissions for both "Desk Top" claim audits and for in-store audit notices.

— Batch Standard Subrogation - provides a uniform approach to efficiently process post-payment subrogation claims and eliminate the numerous custom formats used in the industry today.

— Benefit Integration Standard - supports the communication of accumulator data (such as deductible and out of pocket) between Benefit Partners to administer integrated benefits for a member.

— Billing Unit Standard - provides a consistent and well-defined billing unit for use in pharmacy transactions. This results in time savings and accuracy in billing and reimbursement.

— Financial Information Reporting Standard – provides a process whereby financial information is moved from one PBM to another when a patient changes benefit plans.

— Formulary and Benefit Standard – provides a standard means for pharmacy benefit payers (including health plans and Pharmacy Benefit Managers) to communicate formulary and benefit information to prescribers via technology vendor systems.

— Manufacturer Rebate Standard – provides a standardized format for the electronic submission of rebate information from Pharmacy Management Organizations (PMOs) to Pharmaceutical Industry Contracting Organizations (PICOs).

— Medicaid Subrogation Standard – provides guidelines for the process whereby a Medicaid agency can communicate to a processor for reimbursement. The state has reimbursed the pharmacy provider for covered services and now is pursuing reimbursement from other payers for these services.

— Medical Rebates Data Submission Standard – provides a standardized format for health plans' rebate submissions to multiple manufacturers throughout the industry. Implementation of the medical also eliminates the need for manufacturers to create internal mapping processes to standardize unique data formats from each health plan or third party administrator.

— Post Adjudication Standard – provides a format for supplying detailed drug or utilization claim information after the claim has been adjudicated.

— Prescription Drug Monitoring Programs (PDMP) Reporting Standard – developed to report controlled substance and other required drug information to assist healthcare providers to deter prescription drug abuse to ensure access for patients with valid medical needs.

— Prescription Transfer Standard – developed to create file formats for the purpose of electronically transferring prescriptions between pharmacies.

— Prior Authorization Transfer Standard – developed to define the file format and correct usage for electronically transferring existing prior authorization data between payer/processors when transitioning clients, performing system database or platform changes, or other scenarios where an existing prior authorization record is stored in one location and needs to be moved to another.

# Call for Members (ANS Consensus Bodies)

## ANSI Accredited Standards Developer

### NCPDP - National Council for Prescription Drug Programs

**Enrollment in the 2022 Consensus Group opens January 10, 2022 and closes February 11, 2022.**

(Continued from previous page)

— Product Identifiers Standard – developed to provide a standard for consistent formatting and utilization of product identifiers in healthcare and to provide clarification for maintenance of these specific product identifiers.

— Real-Time Prescription Benefit Standard – developed a real-time pharmacy benefit inquiry from a provider EMR application to: leverage pharmacy industry standards and technology infrastructure, to deliver an accurate, pharmacy specific, "Patient Pay Amount" for a proposed medication and quantity and to collaboratively align stakeholders.

— Retiree Drug Subsidy Standard – developed to assist in the automation of summarized drug cost and related data transfer from one processor/pharmacy benefit manager to another processor/ pharmacy benefit manager for continuation of the CMS Retiree Drug Subsidy (RDS) cost data reporting by the receiving entity.

— SCRIPT Standard – developed for transmitting prescription information electronically between prescribers, providers, and other entities.

— Specialized Standard – developed for transmitting information electronically between prescribers, providers, and other entities. The standard addresses the electronic transmission of census information about a patient between a facility and a pharmacy, medication therapy management transactions between providers, payers, pharmacies, and other entities. It will include other transactions for electronic exchanges between these entities in the future.

— Specialty Pharmacy Data Reporting Standard - provides a standardized format for the data submitted by specialty pharmacy to drug manufacturers/others to support programs and agreements between the parties.

— State Medicaid Provider File Standard - developed a standard by which state Medicaid agencies or other entities could communicate their provider data with the MCOs/PBMs in a consistent and streamlined manner.

— Telecommunication Standard – developed a standardized format for electronic communication of claims and other transactions between pharmacy providers, insurance carriers, third-party administrators, and other responsible parties.

— Uniform Healthcare Payer Data Standard – developed a standard format for pharmacy claim data to support the reporting requirements of claim data to states or their designees.

## ANSI Accredited Standards Developer

### SCTE (Society of Cable Telecommunications Engineers)

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

SCTE is currently seeking to broaden the membership base of its ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities. Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at www.scte.org or by e-mail from standards@scte.org.

Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at www.scte.org or by e-mail from standards@scte.org.

# American National Standards (ANS) Announcements

## Rescind ANS Approval

### ASME - American Society of Mechanical Engineers

**ASME B16.10-2021**

At the request of the ANSI-Accredited Standards Developer ASME, the Dec 2, 2021 approval of ASME B16.10-2021, Face-to-Face and End-to-End Dimensions of Valves as an American National Standard has been rescinded. Please direct any questions to: Terrell Henry; ansibox@asme.org

# Accreditation Announcements (Standards Developers)

## Approval of Reaccreditation – ASD

### ASQ - American Society for Quality

**Effective January 14, 2022**

The reaccreditation of **ASQ - American Society for Quality** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ASQ-sponsored American National Standards, effective **January 14, 2022**. For additional information, please contact: Jennifer Admussen, American Society for Quality (ASQ) | 600 N Plankinton Avenue, Milwaukee, WI 53203 | (800) 248-1946, standards@asq.org

## Approval of Reaccreditation – ASD

### ASQ (ASC Z1) - American Society for Quality

**Effective January 14, 2022**

The reaccreditation of **ASQ (ASC Z1) - American Society for Quality Quality Assurance** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ASQ (ASC Z1)-sponsored American National Standards, effective **January 14, 2022**. For additional information, please contact: Jennifer Admussen, American Society for Quality (ASQ (ASC Z1)) | 600 N Plankinton Avenue, Milwaukee, WI 53201 | (414) 272-8575, jadmussen@asq.org

## Public Review of Revised ASD Operating Procedures

### VITA - VMEbus International Trade Association (VITA)

**Comment Deadline: February 21, 2022**

The **VITA - VMEbus International Trade Association (VITA)**, an ANSI Member and Accredited Standards Developer, has submitted revisions to its currently accredited VSO Standards Policies and Procedures for documenting consensus on VITA-sponsored American National Standards, under which it was last reaccredited in 2017. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Jerry Gipper, VMEbus International Trade Association (VITA) (VITA) | 929 W. Portobello Avenue, Mesa, AZ 85210 | (602) 281-4497, jerry@vita.com

**Click here to view/download a copy of the revisions during the public review period**

Please submit any public comments on the revised procedures to VITA by **February 21, 2022**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

# Meeting Notices (Standards Developers)

## 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.

# American National Standards (ANS) Process

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

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

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

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

# 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.

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- 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, select "American National Standards Maintained Under Continuous Maintenance." Questions? psa@ansi.org.

# ANSI-Accredited Standards Developers (ASD) Contacts

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

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# ISO & IEC Draft International Standards

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

**COMMENTS**

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

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

**ORDERING INSTRUCTIONS**

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

## ISO Standards

### Additive manufacturing (TC 261)

ISO/ASTM DIS 52908, Additive manufacturing of metals - Finished Part properties - Post-processing, inspection and testing of parts produced by powder bed fusion - 11/15/2021, $82.00

### Agricultural food products (TC 34)

ISO/DIS 23942, Determination of hydroxytyrosol and tyrosol content in extra virgin olive oils - Reverse phase high performance liquid chromatography (RP-HPLC) method - 4/7/2022, $62.00

### Aircraft and space vehicles (TC 20)

ISO/DIS 4358, Test methods for civil multi-copter unmanned aircraft system - 11/13/2021, $88.00

ISO/DIS 14619, Space systems - Space experiments - General requirements - 11/13/2021, $58.00

ISO/DIS 14625, Space systems - Ground support equipment for use at launch, landing or retrieval sites - General requirements - 4/7/2022, $93.00

ISO/DIS 24411, Space systems - Micro-vibration testing - 11/13/2021, $77.00

ISO/DIS 23629-5, Unmanned aircraft systems - UAS traffic management (UTM) - Part 5: UTM functional structure - 11/12/2021, $67.00

### Banking and related financial services (TC 68)

ISO/DIS 8583, Financial transaction card originated messages - Interchange message specifications - 11/19/2021, $215.00

### Dentistry (TC 106)

ISO/DIS 3630-2, Dentistry - Endodontic instruments - Part 2: Enlargers - 11/14/2021, $62.00

### Fine ceramics (TC 206)

ISO/DIS 3169, Fine ceramics (advanced ceramics, advanced technical ceramics) - Methods for chemical analysis of impurities in aluminium oxide powders using inductively coupled plasma-optical emission spectrometry - 4/7/2022, $58.00

ISO/DIS 4825-1, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for thermal property measurements of metalized ceramic substrates - Part 1: Evaluation of thermal resistance for use in power modules - 4/3/2022, $62.00

### Fluid power systems (TC 131)

ISO/DIS 23369, Hydraulic fluid power - Multi-pass method of evaluating filtration performance of a filter element under cyclic flow conditions - 4/4/2022, $102.00

### Geographic information/Geomatics (TC 211)

ISO/DIS 19156, Geographic information - Observations, measurements and samples - 11/18/2021, $175.00

### Industrial automation systems and integration (TC 184)

ISO/DIS 23704-3, General requirements for cyber-physically controlled smart machine tool systems (CPSMT) - Part 3: Reference architecture of CPSMT for additive manufacturing - 4/7/2022, $125.00

### Industrial fans (TC 117)

ISO/DIS 13349-1, Fans - Part 1: Vocabulary - 5/17/2021, $112.00

### Information and documentation (TC 46)

ISO/DIS 24229, Information and documentation - Codes for written language conversion systems - 11/14/2021, $67.00

### Mechanical testing of metals (TC 164)

ISO/DIS 3785, Metallic materials - Designation of test specimen axes in relation to product texture - 11/12/2021, $46.00

**Paints and varnishes (TC 35)**

ISO/DIS 1522, Paints and varnishes - Pendulum damping test - 11/19/2021, $53.00

ISO/DIS 4618, Paints and varnishes - Vocabulary - 4/7/2022, $112.00

ISO/DIS 7142, Binders for paints and varnishes - Epoxy resins - General methods of test - 4/7/2022, $46.00

ISO/DIS 22553-16, Paints and varnishes - Electro-deposition coatings - Part 16: Pigment-binder ratio - 4/8/2022, $33.00

**Paper, board and pulps (TC 6)**

ISO/DIS 187, Paper, board and pulps - Standard atmosphere for conditioning and testing and procedure for monitoring the atmosphere and conditioning of samples - 11/15/2021, $46.00

**Pigments, dyestuffs and extenders (TC 256)**

ISO/DIS 3262-6, Extenders - Specifications and methods of test - Part 6: Precipitated calcium carbonate - 11/15/2021, $40.00

ISO/DIS 18314-3, Analytical colorimetry - Part 3: Special indices - 11/12/2021, $40.00

**Road vehicles (TC 22)**

ISO/DIS 21994, Passenger cars - Stopping distance at straight-line braking with ABS - Open-loop test method - 4/2/2022, $88.00

ISO/DIS 22135, Road vehicles - Heavy commercial vehicles and buses - Calculation method for steady state rollover - 4/3/2022, $53.00

ISO/DIS 23684, Road vehicles - Technical Personnel dealing with Natural Gas Vehicles (NGVs) - Training and qualification - 4/4/2022, $88.00

ISO/DIS 24089, Road vehicles - Software update engineering - 11/12/2021, $88.00

ISO/DIS 18418-2, Gasoline engines - Medium pressure liquid fuel supply connections - Part 2: Pipe assemblies - 11/18/2021, $58.00

ISO/DIS 27145-6, Road vehicles - Implementation of World-Wide Harmonized On-Board Diagnostics (WWH-OBD) communication requirements - Part 6: External test equipment - 11/13/2021, $98.00

ISO/DIS 20766-15, Road vehicles - Liquefied petroleum gas (LPG) fuel system components - Part 15: Excess flow valve - 4/7/2022, $33.00

**Rubber and rubber products (TC 45)**

ISO/DIS 1138, Rubber compounding ingredients - Carbon black - Determination of sulfur content - 11/12/2021, $33.00

**Sieves, sieving and other sizing methods (TC 24)**

ISO/DIS 13319-2, Determination of particle size distribution - Electrical sensing zone method - Part 2: Tuneable resistive pulse sensing method - 4/4/2022, $82.00

**Soil quality (TC 190)**

ISO/DIS 5120, Soil quality - Determination of perchlorate in soil using liquid chromatography-tandem mass spectrometry (LC-MS/MS) - 11/12/2021, $53.00

**Sports and recreational equipment (TC 83)**

ISO/DIS 9523, Touring ski-boots for adults - Interface with touring ski-bindings - Requirements and test methods - 11/12/2021, $82.00

ISO/DIS 11088, Alpine ski/binding/boot (S-B-B) system - Assembly, adjustment and inspection - 11/15/2021, $62.00

**Sustainable finance (TC 322)**

ISO/DIS 32210, Sustainable finance - Principles and guidance - 11/15/2021, $88.00

**Thermal insulation (TC 163)**

ISO/DIS 24144, Thermal insulation - Test method for Specific heat capacity of thermal insulation for buildings in the high temperature range - DSC method - 11/13/2021, $82.00

**Traditional Chinese medicine (TC 249)**

ISO/DIS 5227, Traditional Chinese Medicine - Safety controls of cupping device - 11/12/2021, $40.00

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

ISO/DIS 24394, Welding for aerospace applications - Qualification test for welders and welding operators - Fusion welding of metallic components - 4/8/2022, $102.00

## ISO/IEC JTC 1, Information Technology

ISO/IEC 20008-2:2013/DAmd 2, Information technology - Security techniques - Anonymous digital signatures - Part 2: Mechanisms using a group public key - Amendment 2 - 4/4/2022, $88.00

ISO/IEC DIS 15444-9, Information technology - JPEG 2000 image coding system - Part 9: Interactivity tools, APIs and protocols - 11/14/2021, $175.00

ISO/IEC DIS 21122-4, Information technology - JPEG XS low-latency lightweight image coding system - Part 4: Conformance testing - 11/19/2021, $77.00

ISO/IEC DIS 21122-5, Information technology - JPEG XS low-latency lightweight image coding system - Part 5: Reference software - 11/12/2021, $62.00

ISO/IEC DIS 21558-2, Telecommunications and information exchange between systems - Future network architecture - Part 2: Proxy model based quality of service - 11/18/2021, $71.00

ISO/IEC DIS 21559-2, Telecommunications and information exchange between systems - Future network protocols and mechanisms - Part 2: Proxy model based quality of service - 11/18/2021, $112.00

ISO/IEC DIS 22603-2, Information technology - Digital representation of product information - Part 2: Requirements for electronic devices with integral display - 4/4/2022, $33.00

ISO/IEC DIS 27035-1, Information technology - Information security incident management - Part 1: Principles and process - 4/7/2022, $102.00

ISO/IEC DIS 30105-4, Information technology - IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 4: Terms and concepts - 11/15/2021, $88.00

ISO/IEC DIS 30105-8, Information technology - IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 8: Continual Performance Improvement (CPI) of ITES-BPO - 11/12/2021, $88.00

ISO/IEC DIS 15444-17, Information technology - JPEG 2000 image coding system - Part 17: Extensions for coding of discontinuous media - 11/19/2021, $146.00

# IEC Standards

29/1110/FDIS, IEC 60118-16 ED1: Electroacoustics - Hearing aids - Part 16: Definition and verification of hearing aid features, 02/25/2022

46F/603(F)/FDIS, IEC 61169-17 ED1: Radio-frequency connectors - Part 17: Sectional specification for RF coaxial connectors with inner diameter of outer conductor 6,5 mm (0,256 in) with screw coupling - Characteristic impedance 50 ohms (Type TNC), 02/04/2022

47A/1131/NP, PNW 47A-1131 ED1: Integrated circuits - Fault test method for semiconductor devices and ICs by electromagnetic immunity from automotive RADAR, 04/08/2022

47D/939/CD, IEC 63378-3 ED1: Thermal standardization on semiconductor packages - Part 3: Thermal circuit simulation models of semiconductor packages for transient analysis, 04/08/2022

113/646/NP, PNW TS 113-646 ED1: IEC TS 62565-5-4 Nanomanufacturing - Material specifications - Part 5-4: Nano-carbon materials for hybrid supercapacitors in vehicle applications - Blank detail specification, 04/08/2022

116/574/FDIS, IEC 62841-3-5 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-5: Particular requirements for transportable band saws, 02/25/2022

### All-or-nothing electrical relays (TC 94)

94/596/CDV, IEC 61812-1 ED3: Time relays and coupling relays for industrial and residential use - Part 1: Requirements and tests, 04/08/2022

### Electrical accessories (TC 23)

23K/64/NP, PNW 23K-64 ED1: System referencing conductor switching device, 04/08/2022

### Electrical equipment in medical practice (TC 62)

62B/1271/CDV, IEC 60601-2-45/AMD2 ED3: Amendment 2 - Medical electrical equipment - Part 2-45: Particular requirements for the basic safety and essential performance of mammographic X-ray equipment and mammographic stereotactic devices, 04/08/2022

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

65C/1141(F)/FDIS, IEC 61918/AMD1 ED4: Amendment 1 - Industrial communication networks - Installation of communication networks in industrial premises, 02/04/2022

65C/1144/NP, PNW TS 65C-1144 ED1: Industrial networks - Ethernet-APL Port Profile Specification, 04/08/2022

65E/844(F)/FDIS, IEC 62714-5 ED1: Engineering data exchange format for use in industrial automation systems engineering - Automation Markup Language - Part 5: Communication, 02/04/2022

65E/869/CD, IEC 61987-32 ED1: Industrial-process measurement and control - Data structures and elements in process equipment catalogues - Part 32: Lists of properties (LOP) for I/O modules for electronic data exchange, 04/08/2022

### Lightning protection (TC 81)

81/676/CDV, IEC 62561-6 ED3: Lightning protection system components (LPSC) - Part 6: Requirements for lightning strike counters (LSC), 04/08/2022

### Magnetic alloys and steels (TC 68)

68/703/CD, IEC 60404-8-1 ED4: Magnetic materials - Part 8-1: Specifications for individual materials - Magnetically hard materials, 04/08/2022

### Magnetic components and ferrite materials (TC 51)

51/1401/CDV, IEC 63300 ED1: Test methods for electrical and magnetic properties of magnetic powder cores, 04/08/2022

### Measuring equipment for electromagnetic quantities (TC 85)

85/820/NP, PNW TS 85-820 ED1: Demand side power quality management, 04/08/2022

### Measuring relays and protection equipment (TC 95)

95/485/CD, IEC TR 60255-216-1 ED1: Measuring relays and protection equipment - Part 216-1: Guidelines for requirements and tests for protection functions with digital inputs and outputs, 03/11/2022

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

113/645/CD, IEC TS 62607-6-18: Nanomanufacturing - Key control characteristics - Part 6-18: Graphene-based material - Functional groups: TGA-FTIR, 04/08/2022

### Nuclear instrumentation (TC 45)

45B/994/CD, IEC 62463 ED2: Radiation protection instrumentation - X-ray systems for the security screening of persons, 04/08/2022

45B/995/CD, IEC 62709 ED2: Radiation protection instrumentation - Security screening of humans - Measuring the imaging performance of X-ray systems, 04/08/2022

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

57/2460/CD, IEC 62351-14 ED1: Power systems management and associated information exchange - Data and communications security - Part 14: Cyber security event logging, 04/08/2022

### Safety of household and similar electrical appliances (TC 61)

61B/668/CDV, IEC 60335-2-25/FRAG1 ED8: Household and similar electrical appliances - Safety - Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens (Fragment 1), 04/08/2022

61B/669/CDV, IEC 60335-2-90/FRAG1 ED5: Household and similar electrical appliances - Safety - Part 2-90: Particular requirements for commercial microwave ovens (Fragment 1), 04/08/2022

61B/670/CDV, IEC 60335-2-110/FRAG1 ED2: Household and similar electrical appliances - Safety - Part 2-110: Particular requirements for commercial microwave appliances with insertion or contacting applicators (Fragment 1), 04/08/2022

### Secondary cells and batteries (TC 21)

21/1133(F)/FDIS, IEC 62660-3 ED2: Secondary lithium-ion cells for the propulsion of electric road vehicles - Part 3: Safety requirements, 01/28/2022

21A/785(F)/FDIS, IEC 62619 ED2: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries, for use in industrial applications, 01/28/2022

### Solar photovoltaic energy systems (TC 82)

82/1987(F)/FDIS, IEC 62788-7-3 ED1: Measurement procedures for materials used in photovoltaic modules - Part 7-3: Accelerated stress tests - Methods of abrasion of PV module external surfaces, 01/28/2022

82/1996/FDIS, IEC 61215-1-2/AMD1 ED2: Amendment 1 - Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules, 02/25/2022

82/1997/FDIS, IEC 61215-1-3/AMD1 ED2: Amendment 1 - Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules, 02/25/2022

82/1998/FDIS, IEC 61215-1-4/AMD1 ED2: Amendment 1 - Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se)2 based photovoltaic (PV) modules, 02/25/2022

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

121A/468/CD, IEC 60947-7-1 ED4: Low-voltage switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors, 04/08/2022

### Information Technology (JTC1)

CABPUB/198/FDIS, ISO/IEC FDIS 17060 Conformity assessment - Code of good practice, 03/04/2022

JTC1-SC41/263/NP, PNW JTC1-SC41-263 ED1: Internet of Things (IoT) - Addressing interoperability guidelines between heterogeneous underwater sensor networks (UWASNs) based on underwater delay and disruption tolerant network (U-DTN), 04/08/2022

JTC1-SC41/266/FDIS, ISO/IEC 30171-1 ED1: Internet of Things (IoT) - Base-station based underwater wireless acoustic network (B-UWAN) - Part 1: Overview and requirements, 03/11/2022

JTC1-SC41/267/CD, ISO/IEC 30149 ED1: Internet of Things (IoT) - Trustworthiness Principles, 03/11/2022

### Wind turbine generator systems (TC 88)

88/856/Q, Proposed amendment with urgent updates in IEC 61400 -24:2019, Wind energy generation systems - Part 24: Lightning Protection, 02/25/2022

# Newly Published ISO & IEC Standards

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

## ISO Standards

### Acoustics (TC 43)

ISO 8253-3:2022, Acoustics - Audiometric test methods - Part 3: Speech audiometry, $200.00

### Aircraft and space vehicles (TC 20)

ISO 9528:2022, Aerospace - Standard-weight polytetrafluoroethylene (PTFE) hose assemblies, classification 204°C/21 000 kPa - Procurement specification, $111.00

ISO 9938:2022, Aerospace - Polytetrafluoroethylene (PTFE) hose assemblies, classification 204°C/28 000 kPa - Procurement specification, $111.00

### Coalbed methane (CBM) (TC 263)

ISO 4657:2022, Assessment specification of coalbed methane resources, $73.00

### Concrete, reinforced concrete and pre-stressed concrete (TC 71)

ISO 18319-2:2022, Fibre reinforced polymer (FRP) reinforcement for concrete structures - Part 2: Specifications of CFRP strips, $48.00

### Control and safety devices for non industrial gas-fired appliances and systems (TC 161)

ISO 23551-9:2022, Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 9: Mechanical gas thermostats, $175.00

ISO 23555-1:2022, Gas pressure safety and control devices for use in gas transmission, distribution and installations for inlet pressures up to and including 10 MPa - Part 1: General requirements, $225.00

ISO 23555-2:2022, Gas pressure safety and control devices for use in gas transmission, distribution and installations for inlet pressures up to and including 10 MPa - Part 2: Gas pressure regulator, $225.00

### Cranes (TC 96)

ISO 11661:2022, Mobile cranes - Presentation of rated capacity charts, $73.00

### Earth-moving machinery (TC 127)

ISO 6405-1:2017/Amd 1:2022, Earth-moving machinery - Symbols for operator controls and other displays - Part 1: Common symbols - Amendment 1: Additional symbols, $20.00

### Feed machinery (TC 293)

ISO 24378:2022, Feed machinery - Vocabulary, $48.00

### Foundry machinery (TC 306)

ISO 23472-4:2022, Foundry machinery - Vocabulary - Part 4: Abrasive blasting machines and other equipment related to cleaning and finishing for casting, $48.00

### Gas cylinders (TC 58)

ISO 11114-5:2022, Gas cylinders - Compatibility of cylinder and valve materials with gas contents - Part 5: Test methods for evaluating plastic liners, $111.00

### Health Informatics (TC 215)

ISO 20302:2022, Health informatics - Health cards - Numbering system and registration procedure for issuer identifiers, $48.00

### Implants for surgery (TC 150)

ISO 9713:2022, Neurosurgical implants - Self-closing intracranial aneurysm clips, $73.00

### Materials for the Production of Primary Aluminium (TC 226)

ISO 4443:2022, Cryolite primarily used for the production of aluminium - Determination of elements - Wavelength-dispersive X-ray fluorescence spectrometric method using pressed powder tablets, $73.00

### Nuclear energy (TC 85)

ISO 16796:2022, Nuclear energy - Determination of Gd2O3 content in gadolinium fuel blends and gadolinium fuel pellets by atomic emission spectrometry using an inductively coupled plasma source (ICP-AES), $73.00

### Optics and optical instruments (TC 172)

ISO 10942:2022, Ophthalmic instruments - Direct ophthalmoscopes, $48.00

ISO 15798:2022, Ophthalmic implants - Ophthalmic viscosurgical devices, $149.00

### Paints and varnishes (TC 35)

ISO 17463:2022, Paints and varnishes - Guidelines for the determination of anticorrosive properties of organic coatings by accelerated cyclic electrochemical technique, $111.00

### Plastics (TC 61)

ISO 8985:2022, Plastics - Ethylene/vinyl acetate copolymer (EVAC) thermoplastics - Determination of vinyl acetate content, $149.00

### Plastics pipes, fittings and valves for the transport of fluids (TC 138)

ISO 16486-4:2022, Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 4: Valves, $149.00

### Road vehicles (TC 22)

ISO 31120-1:2022, Road vehicles - Injection water - Part 1: Quality requirements, $73.00

### Ships and marine technology (TC 8)

ISO 24169:2022, Ships and marine technology - Fireproof watertight hatch covers, $73.00

### Small craft (TC 188)

ISO 10087:2022, Small craft - Craft identification - Coding system, $48.00

### Solid biofuels (TC 238)

ISO 16559:2022, Solid biofuels - Vocabulary, $48.00

### Sterilization of health care products (TC 198)

ISO 25424:2018/Amd 1:2022, Sterilization of health care products - Low temperature steam and formaldehyde - Requirements for development, validation and routine control of a sterilization process for medical devices - Amendment 1, $20.00

### Textile machinery and allied machinery and accessories (TC 72)

ISO 22291:2022, Safety requirements for wetlaid-nonwoven machinery, $225.00

### Timber (TC 218)

ISO 13061-18:2022, Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 18: Vocabulary, $48.00

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

ISO 13861:2022, Machinery for forestry - Wheeled skidders - Terms, definitions and commercial specifications, $111.00

ISO 13862:2022, Machinery for forestry - Feller-bunchers - Terms, definitions and commercial specifications, $73.00

ISO 19472-2:2022, Machinery for forestry - Winches - Part 2: Traction aid winches, $200.00

### Transport information and control systems (TC 204)

ISO 22085-3:2022, Intelligent transport systems (ITS) - Nomadic device service platform for micro mobility - Part 3: Data structure and data exchange procedures, $200.00

### Tyres, rims and valves (TC 31)

ISO 11795:2018/Amd 1:2022, Agricultural tractor drive wheel tyres - Explanation of rolling circumference index (RCI) and speed radius index (SRI) and method of measuring tyre rolling circumference - Amendment 1, $20.00

### Welding and allied processes (TC 44)

ISO 4761:2022, Non-destructive testing of welds - Phased array ultrasonic testing (UT-PA) for thin-walled steel components - Acceptance levels, $73.00

## ISO Technical Reports

### Carbon dioxide capture, transportation, and geological storage (TC 265)

ISO/TR 27923:2022, Carbon dioxide capture, transportation and geological storage - Injection operations, infrastructure, and monitoring, $250.00

## ISO Technical Specifications

### Industrial automation systems and integration (TC 184)

ISO/TS 10303-4000:2022, Industrial automation systems and integration - Product data representation and exchange - Part 4000: Core model, $250.00

### Nanotechnologies (TC 229)

ISO/TS 21357:2022, Nanotechnologies - Evaluation of the mean size of nano-objects in liquid dispersions by static multiple light scattering (SMLS), $149.00

## ISO/IEC JTC 1 Technical Reports

ISO/IEC TR 4339:2022, Information technology for learning, education and training - Reference model for information and communications technology (ICT) evaluation in education, $73.00

ISO/IEC TR 49794:2022, Information technology - Transition examples from the ISO/IEC 19794:2005 series to the ISO/IEC 39794 series for ID documents, $225.00

### ISO/IEC JTC 1, Information Technology

ISO/IEC 38503:2022, Information technology - Governance of IT - Assessment of the governance of IT, $149.00

ISO/IEC/IEEE 26514:2022, Systems and software engineering - Design and development of information for users, $225.00

ISO/IEC TS 20000-5:2022, Information technology - Service management - Part 5: Implementation guidance for ISO/IEC 20000-1, $175.00

## IEC Standards

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

IEC 63246-3 Ed. 1.0 b:2022, Configurable car infotainment services (CCIS) - Part 3: Framework, $133.00

#### Electrical apparatus for explosive atmospheres (TC 31)

IEC 60079-31 Ed. 3.0 b:2022, Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t", $133.00

S+ IEC 60079-31 Ed. 3.0 en:2022 (Redline version), Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t", $173.00

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

IEC 63000 Amd.1 Ed. 1.0 b:2022, Amendment 1 - Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances, $13.00

IEC 63000 Ed. 1.1 b:2022, Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances, $82.00

# International Organization for Standardization (ISO)

## 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), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, February 25, 2022**.

# Meeting Notices (International)

## 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.

# Registration of Organization Names in the United States

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

## Public Review

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

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

# Proposed Foreign Government Regulations

## Call for Comment

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

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

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

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

# Summary of Appeals: ExSC, BSR and Appeals Board

## 2021 Summary of Appeals Considered by the ANSI Executive Standards Council (ExSC), ANSI Board of Standards Review (BSR) and ANSI Appeals Board

**Below is a summary of appeals and complaint decisions issued in 2021. Questions may be directed to psa@ansi.org**

**ANSI Board of Standards Review (BSR) Appeals**

1. Appeal filed by Dr. Chris Stevens with the ANSI Board of Standards Review (BSR) in connection with its decision to approve PMI 99-001-2021 The Standard for Project Management as an American National Standard (ANS). Appeal denied.

**ANSI Executive Standards Council (ExSC) Appeals and Complaints**

1. Appeal filed with the ANSI Executive Standards Council (ExSC) of its November 20, 2020 decision to reaccredit IEEE's revised procedures. The appeal was filed jointly by Ericsson Inc. ("Ericsson"), InterDigital, Inc. ("InterDigital"), Orange SA ("Orange"), Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. ("Fraunhofer") and GTW Associates ("GTW") ("Appellants"). Appeal dismissed.
2. Complaint filed by Mr. Max Sherman (Complainant) with the ANSI Executive Standards Council (ExSC) against ASHRAE's approval, as an ANSI Audited Designator, of Addendum y to ANSI/ASHRAE Standard 62.2 2019 Ventilation and Acceptable Indoor Air Quality in Residential Buildings (Addendum y) as an American National Standard (ANS). Complaint dismissed.

**ANSI Appeals Board Appeals**

1. Appeal filed jointly by Ericsson Inc. ("Ericsson"), InterDigital, Inc. ("InterDigital"), Orange SA ("Orange"), Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. ("Fraunhofer") and GTW Associates ("GTW") ("Appellants"), of the decision issued by the ANSI Executive Standards Council (ExSC) on March 22, 2021 concerning IEEE's 2020 reaccreditation. Appeal dismissed.
2. Appeal filed by Mr. Sherman of the decision issued by the ANSI Executive Standards Council (ExSC) on October 8, 2021 to dismiss his complaint against ASHRAE in connection with its approval of Addendum y to ANSI/ASHRAE Standard 62.2 2019 Ventilation and Acceptable Indoor Air Quality in Residential Buildings as an American National Standard (ANS). Appeal dismissed.

# Public Review Draft

## Proposed Addendum l to Standard 189.1-2020

# Standard for the Design of High-Performance Green Buildings

## Except Low-Rise Residential Buildings

First Public Review (January 2022)
(Draft Shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.



**ASHRAE, 180 Technology Pkwy, Peachtree Corners, GA 30092**

BSR/ASHRAE/ICC/USGBC/IES Addendum l to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* First Public Review Draft**.**



**(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)**

## Foreword

*This proposal clarifies renewable energy terminology and requirements by adding definitions for financial (virtual) renewable energy power purchase agreement (PPA) and physical renewable energy PPA , by revising the definition for renewable energy certificates, and by revising the charging language in Section 7.4.1. Finally, the proposal substitutes "shall" for "may" in Section 7.3.2. This proposal simply clarifies requirements and thus will result in no additional cost for compliance with the standard. The text shown in yellow was moved but has not changed.*

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

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## Addendum l to 189.1-2020

### *Add and revise Section 3.2 Definitions as follows:*

***renewable energy power purchase agreement (PPA), financial:*** a financial arrangement between a renewable electricity generator and a purchaser wherein the purchaser pays or guarantees a price to the generator for the project's renewable generation. Also known as a "financial power purchase agreement" and "virtual power purchase agreement"

***renewable energy power purchase agreement (PPA), physical:*** a contract for the purchase of renewable electricity from a specific renewable electricity generator to a purchaser of renewable electricity.

***renewable energy certificate (REC):*** a ~~tradable~~ market-based instrument that represents and conveys the environmental attributes of one megawatt-hour of renewable electricity generation and ~~is transacted~~ could be sold separately from the underlying physical electricity ~~generated by~~ associated with the renewable energy ~~source~~ resources; also known as "energy attribute" and "energy attribute certificate."

### *Add to Section 3.3 Abbreviations and Acronyms as follows:*

PPA power purchase agreement

### *Modify Section 7.3.2 as follows:*

**7.3.2 On-Site Renewable Energy Systems**. *Building projects* shall contain on-site photo- voltaic systems with a rated

capacity of not less than 2 W/ft² (22 W/m²) multiplied by the horizontal projection of the *gross roof area* over *conditioned spaces* and *semiheated spaces*. Documentation shall be provided to the *AHJ* that indicates an exclusive chain of custody and ownership of the *RECs* from the *on-site renewable energy system* to the building *owner*. *RECs* supplied from the *on-site renewable energy system* shall be conveyed to and retired on behalf of the entity who has financial or operational control over the building's electricity consumption. *RECs* shall be tracked per Section 10.9.8. Where the building *owner* cannot provide documentation on the chain of custody or ownership of the *RECs* from the *on-site renewable energy system*, the building *owner* ~~may~~ shall provide documentation to the *AHJ* of an alternate supply con- tract for an equal or greater quantity of replacement *RECs* from an alternate renewable energy source.

…

## *Modify Section 7.4.1.1 as follows:*

**7.4.1.1 Renewable Energy Systems**. The *building project* shall have a renewable energy system that provides energy to the project that is not less than the renewable energy requirement from Table 7.4.1.1 multiplied by the ~~The adjusted renewable energy provided to the project shall be equal to or greater than the~~ gross conditioned and semiheated floor areas of the *building project* ~~multiplied by the renewable energy requirement from Table 7.4.1.1~~. Where there are ~~For allocations to~~ multiple tenants within a *building project*, the energy ~~requirements~~ shall be assigned to each tenant based on the total of *gross conditioned* and *semiheated floor area* of each tenant space.

~~*Building projects* complying with the Alternate Renewables Approach shall comply with the applicable equipment efficiency requirements in Normative Appendix B, the water-heating efficiency requirements in Section 7.4.4.1, equipment efficiency requirements in Section 7.4.7.1, and the applicable ENERGY STAR® requirements in Section 7.4.7.3.2. For equipment listed in Section 7.4.7.3.2 that are also contained in Normative Appendix B, the installed equipment shall comply by meeting or exceeding both requirements. The Alternate Renewables Approach shall apply only to building projects where the sum of the gross conditioned and semiheated floor areas of the building project are less than 25,000 ft² (2300 m²).~~

~~Documentation shall be provided to the AHJ that substantiates procurement of renewable energy systems, of *renewable energy contracts*, or of a quantity of RECs required to meet the Exception to 7.4.1.1. RECs shall be tracked in accordance with Section 10.9.8.~~

The *renewable energy system* shall be made up of one or more of the following system types. Off-site renewable energy systems shall comply with section 7.4.1.3. ~~Qualifying renewable energy systems are as follows:~~

a. *On-site renewable energy system*

b. Off-site renewable energy system:

1. Off-site renewable energy system ~~Self-generation (an off-site renewable energy system~~ owned by the building project owner~~); the system shall comply with Section 7.4.1.3.~~
2. *Community renewable energy facility*~~; the system shall comply with Section 7.4.1.3.~~
3. ~~Purchase contract~~ *Financial renewable energy PPA*~~; the system shall comply with Section 7.4.1.3.~~
4. *Physical renewable energy PPA*

*Building projects* complying with the Alternate Renewables Approach shall comply with the applicable equipment efficiency requirements in Normative Appendix B, the water-heating efficiency requirements in Section 7.4.4.1, equipment efficiency requirements in Section 7.4.7.1, and the applicable ENERGY STAR® requirements in Section 7.4.7.3.2. For equipment listed in Section 7.4.7.3.2 that are also contained in Normative Appendix B, the installed equipment shall comply by meeting or exceeding both requirements. The Alternate Renewables Approach shall apply only to *building projects* where the sum of the *gross conditioned* and *semiheated floor areas* of the *building project* are less than 25,000 ft² (2300 m²).

Documentation shall be provided to the *AHJ* that substantiates procurement of renewable energy systems, of *renewable energy contracts*, or of a quantity of *RECs* required to meet the Exception to 7.4.1.1. *RECs* shall be tracked in accordance with Section 10.9.8.

**Exception to 7.4.1.1:** *Building projects* that demonstrate to the *AHJ* that they cannot comply with Section 7.4.1.1 shall contract for renewable electricity products complying with the Green-e Energy National Standard for Renewable Electricity products of not less than 1.2 MWh/ft² (12.6 MWh/m²) of *gross floor area* of *conditioned spaces* and *semiheated spaces*, or an amount equal to 100% of the modeled annual energy use multiplied by 20 years, whichever

is less. A combination of renewable electricity products and renewable energy systems shall be permitted to demonstrate compliance. *RECs* shall be tracked per Section 10.9.8.

…

## *Modify Table 7.4.1.2 as follows:*

**Table 7.4.1.2 Multipliers for Renewable Energy Procurement Methods**

| Location | Renewable Energy Source | Renewable Energy Factor |
|---|---|---|
| On-site | *On-site renewable energy system* | 1.00 |
| Off-site | ~~Directly owned o~~Off-site renewable energy system owned by the *building project owner* | 0.75 |
| | *Community renewable energy facility* | 0.75 |
| | ~~Virtual PPA~~ *Financial renewable power purchase agreement* | 0.75 |
| | *Physical renewable power purchase agreement* | 0.75 |

## *Modify Section 7.4.1.3 as follows:*

**7.4.1.3 Off-Site Renewable Energy Requirements**. Off-site renewable energy delivered or credited to the *building project* to comply with Section 7.4.1.1 shall be subject to a legally binding contract to procure qualifying off-site renewable energy. Qualifying off-site renewable energy shall meet the following requirements:

a. Documentation of off-site renewable energy procurement shall be submitted to the *AHJ*.
b. The ~~purchase~~ energy contract shall have a duration of not less than 15 years. The contract shall be structured to survive a partial or full transfer of ownership of the building property.
c. *REC*s associated with ~~the purchase~~ an off-site renewable energy contract to deliver or credit the *building project* for ~~from an~~ off-site renewable energy procurement ~~system~~ shall:
    i. be assigned exclusively to the building *owner* for a period of not less than 15 years and tracked in accordance with Section 10.9.8,
    ii. include documentation that the *REC* will be created within a 12-month period of the use of the *REC*, and
    iii. include documentation that the *REC* production will be from a generating asset constructed no more than 5 years before the issuance of the certificate of occupancy

*……..(remainder of section is unchanged)……*

# Public Review Draft

## Proposed Addendum w to Standard 189.1-2020

# Standard for the Design of High-Performance Green Buildings

## Except Low-Rise Residential Buildings

Fourth Public Review Draft (January 2022)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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**(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)**

## Foreword

*This addendum modifies the language Standard 189.1-2020. It increases the stringency of the airtightness testing requirement in Standard 90.1 and requires testing in more buildings.*

*The changes in this addendum provide two benefits. First, the existing requirements related to continuous air barriers and airtightness testing, based on 90.1, are clarified. Second, the reduction in air leakage that the standard will provide serve to both reduce energy consumption through reduced air leakage and improve indoor air quality by reducing uncontrolled airflow and potential for contaminant and moisture transport into and through the building envelope.*

*Compliance with the provisions in this addendum may result in minor increases in construction costs, although requirements for continuous air barriers already exist in the energy codes. Where such requirements exist, the increased cost is primarily related to additional quality control activities related to air barrier installation and sealing. The addendum also adds airtightness testing requirements to many buildings that do not require testing under Standard 90.1. Buildings constructed with good quality control procedures are expected to achieve required air leakage rates with little difficulty, but additional expense will be incurred by buildings which need to perform corrective actions.*

*Code authorities will need to include checks of the continuous air barrier design in the plan review process and building inspectors will need to verify installation of the air barrier. Review of test results and reports of corrective actions may be required for some buildings.*

*Requirements like those in this addendum are already included in Standard 90.1. This addendum simply reduces the acceptable leakage rate for tested buildings and expands the testing requirement to more buildings.*

***[Note to Reviewers: This addendum makes proposed changes to the language published in 189.1-2020. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]***

# Addendum w to 189.1-2020

*Revise Section 7.3.1.2 as follows:*

**7.3.1.2. Airtightness.** ~~Envelopes~~ The *building envelope* shall be designed to achieve air leakage less than 0.20 ~~0.25~~ cfm/ft² (~~1.25L/s m²~~ 1.0 L/s m²) under a pressure differential of 0.3 in. of water (75 Pa). Exceptions 1 and 2 to the requirement for a *continuous air barrier* in Section 5.4.3.1 of ANSI/ASHRAE/IES Standard 90.1 shall not apply. Buildings shall comply with airtightness testing requirements in Section 10.6.

*Revise Section 10.6 as follows:*

**10.6 *Building Envelope* Airtightness Testing**. The requirements in this section supersede the requirements in ANSI/ASHRAE Standard 90.1, Section 5.4.3.1.1.

An *approved* third party shall perform whole-building pressurization testing to determine the leakage rate of the ~~building~~ *building envelope* at a reference pressure differential of 0.3 in. of water column (75 Pa), normalized by the sum of the above-grade and below-grade ~~building envelope~~ *building envelope* areas of *conditioned space* and *semiheated space*. Such testing shall be in accordance with ASTM E779, ASTM E1827, ASTM E3158, CAN/CGSB-149.10, CAN/CGSB-149.15, or ISO 9972 and performed while the air barrier system is accessible for inspection and sealing.

a. Where the measured air leakage rate of the ~~building~~ *building envelope* is in the range of 0.20 ~~0.25~~ cfm/ft² (~~1.25L/s m²~~ 1.0 L/s m²) to 0.35 ~~0.40~~ cfm/ft² (~~2.0 L/s m²~~ 1.8 L/s m²), an *approved* third party shall perform a diagnostic evaluation. Permitted methods include but are not limited to visible tracing or infrared imaging in accordance with ASTM E1186 while the building is pressurized. In addition, a visual inspection of the air barrier shall be conducted. Leaks identified by testing or inspection shall be sealed where such sealing can be made without destruction of existing building components. The ~~building~~ *building envelope* shall be retested and a report specifying the corrective actions taken to seal leaks and the resulting leakage rate shall be submitted to the building *owner* and made available to the *AHJ*.

b. Where the measured air leakage rate is greater than 0.35 ~~0.40~~ cfm/ft² (~~2.0 L/s m²~~ 1.8 L/s m²), an *approved* third party shall perform corrective actions and repeat the whole-building pressurization testing described in (a) above until the measured air leakage rate is not greater than 0.35 ~~0.40~~ cfm/ft² (~~2.0 L/s m²~~ 1.8 L/s m²).

**Exceptions to 10.6:**

1. Existing buildings
2. Where an *approved* third party has verified the design and installation of the *continuous air barrier* for *high-rise buildings* and for buildings greater than 100,000 ft² (10,000 m²) of *gross conditioned floor area,* in accordance with ANSI/ASHRAE Standard 90.1, Section 5.9.1.2.

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

# NSF/ANSI International Standard for Biosafety Cabinetry —

## Biosafety Cabinetry: Design, Construction, Performance, and Field Certification

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## 6 Performance

**6.9.1** The average downflow velocity (uniform downflow) or velocities (nonuniform downflow) and the calculated and measured average inflow velocities of the cabinet shall be set at the ~~nominal set points ± 3 ft/min (0.015 m/s) for testing unless otherwise noted.~~ Manufacturer's recommended nominal set points +/- 2 ft/min (0.01 m/s) for testing or alternative set points as the test method requires. Subsequent production models of the test cabinets of the initial model and size conforming to 6.7 may also qualify when the inflow and average downflow velocity (or velocities, if so specified) operate within ± 5 ft/min (± 0.025 m/s) (see Section N-1.9) of the manufacturer's recommended nominal set points of the unit being tested.

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### 6.17 Air velocity stability

Air velocity stability shall be determined with the cabinet operating at the manufacturer's recommended nominal set points +/- 2 ft/min (0.01 m/s). ~~nominal set point velocities ± 3 ft/min (0.015 m/s).~~

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## Normative Annex 1
**(formerly Annex A)**

**Performance tests**

Before any performance tests are run, the cabinet shall be properly installed and leveled and airflows adjusted to the manufacturer's recommended nominal set points +/- 2 ft/min (0.01 m/s). ~~nominal set point (± 3 ft/min [± 0.015 m/s]).~~ These tests are intended for the qualification ofa new cabinet model by the testing organization. The testing organization also requires and performs appropriate tests during periodic requalification. Cabinet models undergoing major redesign shall be requalified as stated in Section 1.3 of this Standard. Field tests are provided in Annex N-5.

## N-1.2 HEPA/ULPA filter leak test

### N-1.2.1 Purpose

This test determines the integrity of downflow and exhaust HEPA/ULPA filters, filter housings, and filter mounting frames. The cabinet shall be operated at the manufacturer's recommended nominal set points +/- 2 ft/min (0.01 m/s). ~~within ± 3 ft/min (0.015 m/s) of the nominal set point~~,with the exception of the downflow HEPA/ULPA filters on B1 cabinets.

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## N-1.3 Noise level test

### N-1.3.1 Purpose

This test provides a uniform method for measuring the noise level produced by the cabinet. The methods can be performed in most acoustically ordinary rooms, such as a factory, where walls are neither sound absorbing nor completely sound reflecting. The cabinet shall be operated at the manufacturer's recommended nominal set points +/- 2 ft/min (0.01 m/s). ~~nominal set point velocitieswithin ± 3 ft/min (± 0.015 m/s).~~

## N-1.5 Vibration test

### N-1.5.1 Purpose

This test determines the amount of vibration in the operating cabinet. The cabinet shall be operated at the manufacturer's recommended nominal set points +/- 2 ft/min (0.01 m/s). ~~within ± 3 ft/min (± 0.015 m/s) of the nominal set point velocities.~~

## N-1.6 Personnel, product, and cross-contamination protection (biological) tests

#### N-1.6.3.1 Method

a) The cabinet shall be operated at the manufacturer's recommended nominal set points +/- 2 ft/min (0.01 m/s). ~~nominal set point velocities within ± 3 ft/min (± 0.015 m/s).~~

g) For new and major modification redesign cabinet models, repeat the above steps after setting the cabinet airflow velocities at manufacturer's recommended nominal set points +/- 2 ft/min (0.01 m/s) -10 ft/min (-0.051) ~~-10 ± 3 ft/min ( 0.051 ± 0.015 m/s)~~ inflow using a direct airflow reading instrument and +10 ft/min ~~10 ± 3 ft/min (0.051 ± 0.015 m/s)~~ downflow: ~~above and below the nominal set points:~~

- airflow velocity readjustments shall be made per the manufacturer's procedure;
- the overall average downflow velocity shall be used in making downflow adjustments; and
- removable equipment not essential to cabinet operation shall be removed to set the downflow velocity.

h) For new and major modification redesign cabinet models, repeat the above steps setting the airflow velocities at manufacturer's recommended nominal set points +/- 2 ft/min (0.01 m/s) -10 ft/min (-0.051) ~~-10 ± 3 ft/min (-0.051 ± 0.015 m/s) from the nominal set point~~ for both downflow and inflow,except as noted below.

When an inflow alarm is present on a Type A1, A2, or C1 BSC, the appropriate cabinet blower(s) speedshall be reduced (from nominal set point) without damper adjustment (if one is present), until the inflowalarm is activated:

— if the manufacturer-specified inflow velocity alarm set point is more than 10 ft/min (0.051 m/s) less than the manufacturer's recommended nominal inflow velocity, the test as specified in this section will be performed with the inflow velocity at ~~this~~ the manufacturer's recommended alarm set point +/- 2 ft/min (0.01 m/s). ~~± 3.0 ft/min (0.015 m/s);~~ or

— if the manufacturer-specified inflow velocity alarm set point is no more than 10 ft/min (0.051 m/s) less than the nominal inflow velocity, the inflow alarm point shall be tested as specified in in this section.

#### N-1.6.4.1 Method

a) For new and major modification redesign cabinet models, the above steps shall be repeated afterthe cabinet airflow velocities are set at manufacturer's recommended nominal set points +/- 2 ft/min (0.01 m/s) +10 ft/min (-0.051) ~~+10 ± 3 ft/min (0.051 ± 0.015 m/s)~~ inflow using a direct airflow reading instrument and -10 ft/min (-0.051) ~~± 3 ft/min (-0.051 ± 0.015 m/s)~~ downflow ~~from nominal set points~~:

— airflow velocity readjustments shall be made per the manufacturer's procedure;

— the overall average downflow velocity shall be used in making downflow adjustments; and

#### N-1.6.5.1 Method

**N-1.6.5.1.1** The cabinet shall be operated at the manufacturer's recommended nominal set points +/- 2 ft/min (0.01 m/s). ~~nominal set point velocities within ± 3 ft/min(± 0.015 m/s).~~ Tests are completed from one side wall and the center or from both side walls, depending on BSC nominal width. The center test is completed on cabinets with a BSC nominal width greater than3 feet. Both side walls are tested on cabinets with a BSC nominal width of 3 feet or less.

## N-1.10 Airflow patterns test

#### N-1.10.3 Method

The cabinet shall be operated at the manufacturer's recommended nominal set points +/- 2 ft/min (0.01 m/s).

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## N-1.12 Motor / blower performance

### N-1.12.3 Method

a) Set the cabinet at the at the manufacturer's recommended nominal set points +/- 2 ft/min (0.01 m/s). ~~nominal set point, ± 3 ft/min (± 0.015 m/s).~~

## N-1.14 Canopy Connection Test

### N-1.14.1 Purpose

This test demonstrates the ability of a Type A1, A2 or C1 BSC to maintain inflow velocity during a facility exhaust system failure.

### N-1.14.2 Method

a) Connect the BSC to a facility exhaust system via the BSC manufacturer's canopy connection.

b) Adjust facility exhaust flow according to the BSC manufacturer's instructions and balance the cabinet inflow and downflow velocities at the manufacturer's recommended nominal set points +/- 2 ft/min (0.01 m/s). ~~within 3 ft/min (0.015 m/s) of the manufacturer's nominal set points.~~

***Rationale**: Airflow tolerance for NSF testing has varied throughout the history of the standard. It started using the manufacturers recommended values, then changed to +/- 2 fpm, then to the current +/- 3 fpm. Ideally, NSF would test products at nominal set points, but to measure and adjust airflow can add time and cost to the process. However, at today's +/- 3 fpm allowable tolerance, when added to instrumentation tolerance, NSF testing can be potentially outside the cabinets use range and not associate with the manufacturer's submittal testing. The proposed language reduces the tolerance back to +/- 2 fpm to more closely align with manufacturer's submittal testing and remove the possibility of testing outside the cabinets use range due to the added instrumentation tolerance.*

**BSR/UL 1310, Standard for Class 2 Power Units**

**1. Addition of requirements to allow electronic medium for Installation Instructions and other required instructions**

**PROPOSAL**

54.6 Instructions that are alternatively permitted on a stuffer sheet or information sheet may be provided via a manufacturer's website. The web address shall be marked on the unit, packaging, and/or information sheet. The web address may be in the form of a Uniform Resource Locator (URL - http://www.___.com/___/ ), or as a Quick Response Code (QRcode). The web address link shall take the user to an internet page containing the required information or a direct link to the required information. The file shall be a file format that is commonly used and may be downloadable.

66.7 Instructions may be alternatively provided in accordance with 54.6.

72.4 Instructions may be alternatively provided in accordance with 54.6.

78.3 Instructions may be alternatively provided in accordance with 54.6.

89.2 Instructions may be alternatively provided in accordance with 54.6.

97.6 Instructions may be alternatively provided in accordance with 54.6.

**2. Revised marking for products with USB type outlets**

**PROPOSAL**

80.1 ~~The output connectors shall be identified as being Class 2 and marked with the output electrical rating. The output electrical rating shall be permanently marked and visible after installation of the flush device cover plate or outlet box cover.~~ An output Class 2 connector shall be permanently marked with one of the following:

a) "Class 2" and electrical rating;

b) "Class 2"; or

c) Electrical rating.

The marking shall be visible after installation of the flush device cover plate or outlet box cover. The output electrical rating may be expressed in amperes and voltage, wattage, or in volt-amperes.

*Exception: For a device provided with either a Class 2 connector located other than on the face when installed or a Class 2 separable conductor lead assembly, the output Class 2 connectors shall be identified as being "Class 2". The "Class 2" designation and the output electrical rating, for a Class 2 connector located other than on the face when installed or the separable lead need only be visible during installation.*

**BSR/UL 120002, Recommended Practice for Certificate for Equipment for Hazardous (Classified) Locations**

**1. Revisions for the use of electronic medium for required documentation.**

**PROPOSAL**

**1 Scope**

1.1 This recommended practice identifies elements of certificates for equipment for hazardous (classified) locations.

NOTE 1: The recommended practice ~~may~~ can be used for equipment under either the Division or Zone area classification systems.

NOTE 2:This recommended practice relates to equipment intended for use in a Hazardous (Classified) Location or for equipment intended to be connected to a system that contains a Hazardous (Classified) Location.

NOTE 3: Certificates ~~may~~ can be requested by, and used by, end users or installers of equipment in order to document the suitability of equipment to the Authority Having Jurisdiction (AHJ).

4.2 CERTIFICATE - Document that conveys the assurance of the conformity of a product, process, system, person, or organization with specified requirements. [SOURCE: UL 60079-0]

NOTE: “Certification” is a conformity assessment by a third party which results in listing or labelling, whereas a “certificate” ~~may~~ can be prepared by a first, second, or third party.

**5 Certificates**

5.1 The certificate should incorporate the following elements, as applicable:

| No. | Element | Comment, example or clarification |
|---|---|---|
| (1) | Certificate number | A unique identification (some Certificate schemes have a required format). |
| (2) | Certificate Revision | A unique identification of revision level of the Certificate. |
| (3) | Equipment Identification | Model code structure with any permitted variations, including a limitation to specific ~~or~~ serial number(s), if applicable. |
| (4) | Certificate Holder | Entity responsible for the equipment to which the Certificate applies. |
| (5) | Test Report Identifier | A unique identification for the assessment report on which the Certificate is based. |
| (6) | Applicable Standards | Standards, including edition or year of issue, to which the equipment was assessed. |
| (7) | Equipment Marking | Identification of hazardous (classified) location in which the equipment may be used:<br><br>NOTE 1: While $T_{code}$ and ambient temperatures are optional on the Certificate, they are required equipment marking except when permitted otherwise by the NEC, and Class I is optional for Zones per the NEC and UL 60079-0 ~~Ed. 7~~.<br><br>NOTE 2: Equipment HazLoc Marking field can also include the Protection technique(s) or Type(s) of Protection. |
| (8) | Signature | Title, printed name and signature of person authorizing the Certificate. |
| (9) | Date of issuance | YYYY-MM-DD |

| No. | Element | Comment, example or clarification |
|---|---|---|
| | | NOTE: ISO 8601 format is shown above this is the preferred format but there is no required format. |
| (10) | Issuer | Name of organization issuing the Certificate. |
| (11) | Page numbers | Page x of y |
| (12) | [Optional]<br>Specific Conditions of Use<br><br>NOTE – For component certificates, a “Schedule of Limitations” or “Conditions of Acceptability” section may replace “Specific Conditions of Use” | Critical information relating to the use of the equipment or component; this may include any of the following:<br><br>- Installation requirements not specifically addressed by the NEC.<br>- Maintenance requirements.<br>- Operation requirements.<br>- Entity parameters.<br>- Reference to Control Drawings. |
| (13) | [Optional]<br>Description of the product | Free format that may include functions of the product, enclosure (IP) ratings, electrical ratings, options, etc. |
| ~~(14)~~ | ~~[Optional]~~<br>~~Test and Assessment Documentation~~ | ~~Reference to test and assessment documentation supporting the Test Report (5).~~ |

NOTE 1: A certificate is a statement of fact at a point in time relating to the compliance of a product against a specific set of requirements.

NOTE 2: Components are not suitable for installation on their own, but only for integration into Equipment that would be subjected to additional review by a 3rd party. Components have “Schedule of Limitations” or “Conditions of Acceptability” and can be identified with a “U” suffix on the certification number.

NOTE 3: The field content for Element Nos. ~~Items~~ 3, 6 and 12 to 14 ~~may~~ can appear as ~~a note~~ text that reads, “~~s~~See the Annex to the certificate,” or equivalent.

NOTE 4: Equipment with “Specific Conditions of Use” can be identified with “X” suffix on the certificate number.

## APPENDIX A
## (Informative)

### Certificate Example

| Certificate | | |
|---|---|---|
| (1) | Certificate number: ICU 06.9375 | |
| (2) | Revision: 00 | |
| (3) | Personal Gas Detectors Models GGAS 3000, SGAS 3020, GOGAS 3040 | |
| (4) | Detector Systems, Inc.<br>8088 West 57th Ave<br>Charleston, WV 25303, USA | |
| (5) | Test Report: 123AB/00 | |
| (6) | UL 60079-0:2020 (Ed. 7)<br>UL 60079-11:2018 (Ed. 6)<br>UL 60079-29-1:2019 (Ed. 2) | |
| (7) | Class I, Division 1, Groups A, B, C and D, T4 - 50°C ≤ $T_a$ ≤ 60°C<br>Zone 1, AEx db ib IIC T4 Gb - 50°C ≤ $T_a$ ≤ 60°C | |
| (8) | *Jane Doe*<br><br>Ms. Jane Doe, P.E. Senior Certification Engineer | |
| (8) | Date of issuance: 2020-03-26 | |
| (10) | ICU Certification and Testing Laboratory<br>1313 Mockingbird Lane<br>Lexington, KY USA<br><br>© This Certificate may only be reproduced in its entirety and without any change. | |
| (11) | Page 1 of 2 | |
| | | ANNEX |
| (12) | Specific Conditions of Use | Electrical Data: The unit shall only be powered by two “AA” batteries of one of the following types: Nitrocell MN1500 or BreadyE91 |
| (13) | Description of the product | The unit is a handheld Personal Gas Detector for detection of flammable gases, flammable vapors, and combustible liquid vapors, and oxygen. Personal Gas Detectors Model GGAS 3000 is designed to handle flammable gases, flammable vapors, and combustible liquid vapors, Model SGAS 3020 is designed for specific gas signatures. |
| (14) | Test Report: Technical File 4215, Revision A<br>Drawings: 047-0300-001 Rev A1, 047-1004001 Rev A (10 sheets) | |
| (15) | Page 2 of 2 | |

**APPENDIX B**
**(Informative)**

## Examples of specific conditions of use

Specific conditions of use should be descriptive of the hazard and mitigation required for safe installation.

*[SOURCE: IEC Equipment for Explosive Atmospheres Good Working Practices (GWP)]*

The following are examples of “acceptable” entries for specific conditions of use:

- The product was subjected to the impact tests corresponding to low risk of mechanical danger in accordance with UL 60079-0. Therefore, the product shall be mounted to minimize the risk of impact.

NOTE 1: Acceptable specific condition related to the strength of enclosure.

- To maintain the rated ingress protection, the product shall be mounted with the sensor downward within 5° of vertical.

NOTE 2: Acceptable specific condition related to ingress protection assessment.

The following are examples of “unacceptable” entries for specific conditions of use:

- The fault current must be limited.

NOTE 3: Unacceptable specific condition does not specify the current limit.

- The user shall test the non-metallic enclosure annually for conductivity.

NOTE 4: Unacceptable specific condition does not state the conductivity required.

- The ~~user~~ equipment is provided without cable glands. The cable glands must be certified.

NOTE 5: Unacceptable specific condition is an installation issue already addressed by the NEC.

- The user must conform to the instructions of the manufacturer.

NOTE 6: Unacceptable specific condition does not specify specific document for user instructions.