



STANDARDS ACTION

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Project Initiation Notification System (PINS)

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

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. Use the following Public Document Library url to access PDF & EXCEL reports of approved & proposed ANS: [List of Approved and Proposed ANS](#)

Directly and materially affected interests wishing to receive more information or to submit comments are requested to contact the standards developer directly within 30 days of the publication of this announcement.

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

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Revision

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

Stakeholders: The stakeholders that are likely to be directly impacted by this revision include: Consumers of HVAC&R products, Test labs operated by HVAC&R product manufacturers, Independent test labs, and Higher-tier standards project committees.

Project Need: This revision will make changes in the text to make it easier for higher-tier ASHRAE standards to adopt this standard by reference. It will also, incorporate the new steady-state criteria figures and corresponding text changes; update the uncertainty portions to include pre-test and post-test uncertainty methods and redo the uncertainty example to be in accordance with the updated uncertainty methods

Interest Categories: General, User, and Producer

Scope: This standard prescribes methods for refrigerant mass flow rate measurement in laboratory and field applications using flowmeters. Refrigerant mass flow rate measurements are required for compressor performance tests and for testing other heating, ventilating, air-conditioning and refrigerating systems and components. Each refrigerant mass flow rate is determined by subtracting the measured lubricant mass flow rate from the measured refrigerant/lubricant mixture mass flow rate.

ASME (American Society of Mechanical Engineers)

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Revision

BSR/ASME VVUQ 10.1-202x, An Illustration of the Concepts of Verification, Validation, and Uncertainty Quantification in Computational Solid Mechanics (revision and redesignation of ANSI/ASME V&V 10.1-2012 (R2022))

Stakeholders: Designers, Producers, Manufacturers, Constructors, Owners, Utility, Operators, Consultants, Users, General Interest, Laboratory, Regulatory/Government, Testing Services, Distributors.

Project Need: This Standard is being revised to enhance the text and add new appendices. The new content will guide learners through the development of a verification, validation, and uncertainty quantification (VVUQ) plan, outline a VVUQ progress report that includes recommendations and lessons learned, and detail more challenging cases beyond a simplified example.

Scope: This Standard will illustrate, by tangible example, the most important aspects of verification, validation, and uncertainty quantification (VVUQ) described in the Committee's framework document: ASME V&V 10 – 2019, Standard for Verification and Validation in Computational Solid Mechanics.

ASSP (Safety) (American Society of Safety Professionals)

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National Adoption

BSR/ASSP/ISO 31073-202x, Risk Management - Vocabulary (identical national adoption of ISO 31073-2022 and revision of ANSI/ASSE Z690.1-2011)

Stakeholders: OSH professionals.

Project Need: Based upon the consensus of the US TAG to TC262 and the leadership of ASSP.

Scope: This document defines generic terms related to the management of risks faced by organizations.

CPLSO (CPLSO)

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New Standard

BSR/CPLSO 19-202x, Electrical Characteristics of ECDs and CEWs with more than 2 probes (new standard)

Stakeholders: Manufacturers of ECDs and CEWs, Police and enforcement Agencies.

Project Need: To attain a National ANSI standard for the electrical characteristics for high voltage Electronic Control Devices, (ECD), or Conductive Electrical Weapons, (CEW) with more than 2 probes.

Interest Categories: Manufacturers of ECDs and CEWs, Police and enforcement Agencies

Scope: This standard is applicable for high voltage Electronic Control Devices, (ECD), or Conductive Electrical Weapons, (CEW). This standard specifies the characteristic electrical requirements for effective and safe performance with more than 2 probes. [CPLSO 17 deals with 2 probes or less.]

CSA (CSA America Standards Inc.)

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Revision

BSR/CSA Z21.41-202x , Quick disconnect devices for use with gas fuel appliances, same as CSA 6.9 (revision and redesignation of ANSI Z21.41-2014 (R2019))

Stakeholders: Manufacturers of quick disconnect devices.

Project Need: Provide the industry with an updated plug profile and references to NFPA 1192 in order to reduce current connection issues out in the field.

Scope: This Standard applies to newly-produced, hand-operated quick-disconnect devices, hereinafter also referred to as devices, constructed entirely of new, unused parts and materials which provide a means for connecting and disconnecting appliances or appliance connectors to gas supplies and which are for indoor and outdoor applications. These devices shall be equipped with automatic means to shut off the gas when the devices are disconnected. The mating parts shall be held together securely either by a positive locking means or by means requiring a straight pull to disconnect. These devices shall be capable of operation at ambient temperatures between 32 and 200°F (0 and 93.3°C) if intended for indoor use only, or temperatures between -20 and 200°F (-28.8 and 93.3°C) if intended for indoor/outdoor use. These devices shall also be capable of operation at temperatures of -40°F (-40°C) when so specified by the manufacturer.

CTA (Consumer Technology Association)

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Revision

BSR/CTA 2051-A-202x, Personal Sound Amplification Performance Criteria (revision and redesignation of ANSI/CTA 2051-2017)

Stakeholders: Consumer, manufacturers, retailers.

Project Need: To revise ANSI/CTA-2051-A, Personal Sound Amplification Performance Criteria.

Scope: This standard establishes technical performance metrics and associated target values for consumer products which provide personal sound amplification (OTC Hearing Aids).

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 404-202x, Standard for Extruded and Laminated Dielectric Shielded Cable Joints Rated 2.5 kV to 500 kV (new standard)

Stakeholders: Stakeholders for this standard are the electric power utilities as well as cable and accessory suppliers.

Project Need: There is a need to have a set of qualification and production test requirements for cable joints that will help ensure users and suppliers consistency when developing or assessing needs for cable joints.

Scope: This standard establishes electrical ratings and test requirements of cable joints used with extruded and laminated dielectric shielded cables rated in preferred voltage steps from 2.5 kV to 500 kV. In addition, it defines test requirements for joint jacket seal devices and joint metallic-shield devices. This standard also defines a variety of common joint constructions. Joints that connect more than two cables or connect cables with two different conductor sizes are not covered by this standard. However, manufacturers and users are encouraged to use appropriate parts of this standard to evaluate these joints.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 1036-202x, Guide for the Application of Shunt Power Capacitors (new standard)

Stakeholders: Engineers and designers involved in the manufacture, design, installation, operation, procurement, and/or maintenance of Shunt Power Capacitors.

Project Need: This standard is widely recognized as being a very useful standard and it needs to be revised in order to continue its functional life as an active standard. Content will be reviewed to ensure it is in line with current practices. The revision will address comments received during the revision ballot of IEEE 1036-2020 as well as add new content to keep in line with current industry developments and needs.

Scope: This guide applies to the use of 50 Hz and 60 Hz shunt power capacitors rated 2400 Vac and above, and assemblies of such capacitors. Included are guidelines for the application, protection, and ratings of equipment for the improved safety and reliable utilization of shunt power capacitors. The guide is general and intended to be basic and supplemental to specific recommendations of the manufacturer. The guide covers applications that range from simple capacitor unit utilization to complex capacitor bank situations.

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Revision

BSR/IEEE 1048-202x, Guide for Protective Grounding of Power Lines (revision of ANSI/IEEE 1048-2016)

Stakeholders: Electric utilities/contractors who perform de-energized maintenance on electric power lines.

Project Need: The present document will be revised to maintain the suggestions contained within the guide to current technology and to include new and or additional hazards as they become known. Our responsibility is to keep the guide current to aid the safety of utility workers. Stakeholders include utility workers and members of the general public who might be in the vicinity of overhead power lines when maintenance is being performed.

Scope: This document provides guidelines for grounding methods to protect workers and the public from voltages that might develop in a jobsite during de-energized maintenance of overhead transmission and distribution lines.

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Revision

BSR/IEEE 1067-202x, Guide for In-Service Use, Care, and Maintenance, of Conductive Clothing for Use on Voltages up to 765 kV AC and +/-750 kV DC (revision of ANSI/IEEE 1067-2012)

Stakeholders: Electric utility workers.

Project Need: Renew a well-used Guide before expiration and update the document with the latest industry knowledge.

Scope: This guide provides recommendations for the in-service visual inspection, use, care and maintenance of conductive clothing, including suits, gloves, socks, and boots, for use during linework on voltages up to 765 kV ac and +/-750 kV dc. Testing pertains only to nondestructive electrical tests that can be performed periodically to check if there is any reduction in the conductivity of the clothing.

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New Standard

BSR/IEEE 1729-202x, Recommended Practice for Electric Power Distribution System Analysis (new standard)

Stakeholders: The stakeholders include electric power distribution utilities, commercial vendors of engineering analysis software for distribution systems, and academic researchers working in this area.

Project Need: Engineering software for distribution systems is evolving slowly. The need for new software functionality evolves more quickly, in areas such as high penetration of distributed energy resources (DER), high-penetration of inverter-based resources (IBR), distributed controls, price-responsive loads, dynamics, use of time-series data, advanced protection schemes, and others. With a better focus of research and development efforts, development of these essential features can be accelerated. As a result, electric power distribution utilities will be better able to design and operate their systems.

Scope: This document defines recommendations for steady-state, event-based, probabilistic, stochastic, and dynamic analysis of electric utility power distribution systems from over 1 kV to 35 kV. Industrial and commercial power distribution systems, harmonic analysis, and electromagnetic transient analysis are all excluded.

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Revision

BSR/IEEE 1829-202x, Guide for Conducting Corona Tests on Hardware for Overhead Transmission Lines and Substations (revision of ANSI/IEEE 1829-2017)

Stakeholders: Utilities, manufacturers, laboratory engineers.

Project Need: This guide provides specific information and procedures, some based on existing standards to obtain uniform, repeatable results in diverse laboratories when testing hardware for use in high voltage circuits on transmission lines or substation conductors.

Scope: This guide establishes uniform procedures for the testing of transmission line and station bus hardware in high voltage laboratories. Two tests are described. The first one is a corona performance test. The second is a radio interference voltage (RIV) test. The first test uses visible techniques to determine the onset of positive corona. The second test is a measurement of the RIV voltage according to ANSI C63.2 or CISPR 16-1-1 and CISPR TR 18-2. This guide does not address the permissible radio interference (RI) limits or specified corona extinction voltages. They are set either by regulation or by agreement between the end user and hardware manufacturer.

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New Standard

BSR/IEEE 3102-202x, Standard for Conservation Voltage Reduction (CVR) Data Collection and Management Procedures (new standard)

Stakeholders: Electric utilities, Electric utility equipment manufacturers, Software vendors, Electric utility regulatory commissions.

Project Need: Utilities face challenges in conducting measurement and verification in CVR-deployed feeders. A standard is needed to provide procedures for electric utilities to use to determine the value of their CVR programs, define parameters for regulatory reporting, and define standardized verification methodology selection based on standard data collection methodologies.

Scope: This standard specifies a set of procedures for CVR data collection and management. Functional requirements, procedures and use cases are defined for the following scenarios: (1) Identification of cycling schedule disruptions and required data cleaning, (2) Compression rates to archive values, (3) Detection of accurate CVR status, (4) Identification of load shifts and how to deal with these in terms of measurement and verification, (5) Data cleaning and reconstruction approaches for anomalous data, (6) Procedures for determining CVR factor range and system-level CVR factor, (7) Procedures for data adequacy based on accurate CVR status, and power and voltage data, and (8) Methodology selection and assumption validation based on data availability.

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New Standard

BSR/IEEE 3132-202x, Guide for Application of Spacers and Spacer Dampers on Bundled Conductors (new standard)

Stakeholders: Utilities, transmission line designers, deployment technicians, consultants, manufacturers, testing laboratories, and research laboratories.

Project Need: Deployed spacers today have often exceeded or are approaching their end of life and need to be replaced. At the same time, new applications, including Extra High Voltage (EHV) transmission power lines are expected to be deployed. A document is needed to provide guidance on the design, installation, materials and coatings for the design and deployment of spacers and spacer dampers.

Scope: This guide introduces criteria for designing, testing, installation, inspection and replacement of spacers and spacer dampers used on overhead transmission lines.

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New Standard

BSR/IEEE 3133-202x, Guide for Direct Current (DC) Ice-Melting Technology of Overhead Transmission Lines (new standard)

Stakeholders: The stakeholders for the standard consist of electricity companies, ice-melting device providers, research institutes, and ice-melting system design institutes.

Project Need: Currently, there is no DC ice-melting technology-related standard that defines DC ice-melting conditions, ice-melting current and time, technical requirements, construction considerations, inspection methods, and operations and maintenance of ice-melting devices. To effectively promote DC ice-melting technology and increase the role of this technology in preventing and controlling ice disasters on power grids, it is necessary to establish an international guide for DC ice-melting technology.

Scope: The guide specifies the DC ice-melting conditions, melting current, melting duration, and the amplitude of harmonics injected into the power grid to support the safety, efficiency, and effectiveness of DC ice melting. It also specifies the technical parameters, inspection, operation and maintenance (O&M) of DC ice-melting devices. The guide is applicable to DC ice melting of 110 kV to 500 kV AC/DC overhead transmission lines.

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New Standard

BSR/IEEE 3134-202x, Guide for Drawing Regional Icing Maps for Overhead Transmission Lines (new standard)

Stakeholders: Researchers, designers, and operation and maintenance staff of OHLs with general interest in icing on OHLs.

Project Need: Icing-related events of interest are still a significant problem in many icing areas of the world. A standardized icing map is a primary source to obtain ice data for OHL design, operation and maintenance, especially in areas where local historical icing data are not available. Currently, there is no standard covering basic principles and recommended methods to drawing the icing map for OHL.

Scope: This guide provides basic principles and recommended methods for drawing icing maps for overhead lines (OHLs) using unified and efficient procedures. Specifically, methods to calculate the ice thickness are recommended to deal with various geographic areas with different terrain and/or weather.

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New Standard

BSR/IEEE 65700-19-03-202x, Standard - Bushings for DC Application (new standard)

Stakeholders: Electric utilities, HVDC equipment manufacturers.

Project Need: The revision of this standard is to align it with IEC 60137 Ed. 7.0 2017-06 in regards to such items as altitude correction, cross references, definitions, etc. Review of application-specific calculations and definitions which may need to be revised or added to be inline with the currently agreed upon understandings of the subject matter. Review and updating of the ratings for bushings that are currently available within the field of application. Alignment with IEEE/IEC 60076-57-129-2017 such as extended dc polarity reversion test, and the like. Review of the Annex and the moving of items agreed upon into the standards itself, such as Voltage Source Converter (VSC).

Scope: This International Standard applies to outdoor and indoor bushings of any voltage used on dc systems, of capacitance-graded or gas-insulated types for use as components of oil-filled converter transformers and smoothing reactors, as well as air to air dc bushings. This standard does not apply to the following:

- cable terminations (potherads);
- bushings for instrument transformers;
- bushings for test power supplies;
- bushings applied with gaseous insulation(other than air at atmospheric pressure) external to the bushing;
- bushings for industrial application;
- bushings for traction application; and
- bushings for distribution class transformers.

This standard makes reference to IEC 60137 for general terms and conditions and defines the special terms used, operating conditions, ratings, test procedures as well as general mechanical and electrical requirements for bushings for dc application.

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Revision

BSR/IEEE C37.20.6-202x, Standard for 4.76 kV to 48.3 kV Rated Ground and Test Devices Used in Enclosures (revision of ANSI/IEEE C37.20.6-2015)

Stakeholders: Manufacturers, users, specifiers, and those who perform design tests, as well as third-party certification organizations of equipment designed and tested per IEEE C37.20.2, IEEE Standard for Metal-Clad Switchgear.

Project Need: IEEE C37.20.6 was published in 1997, and very substantially revised in 2013. This revision will make relatively fewer significant changes and bring the document format up to present IEEE-SA practices.

Scope: This standard covers drawout-type, indoor, medium-voltage ground and test (G&T) devices for use in drawout metal-clad switchgear rated 4.76 kV through 48.3 kV as described in IEEE Std C37.20.2(TM). Four G&T device types are generally supplied for temporary circuit maintenance procedures for insertion in place of the circuit breaker as follows: (a) Simple manual devices, (b) Complex manual devices, (c) Simple electrical devices, and (d) Complex electrical devices. There may be more complicated G&T devices that may include current and/or voltage transformers, glow tubes, or other accessory components. These more complex devices are not within the scope of this standard. This standard can be used to provide guidance in their development but additional testing and interlocking may be required.

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New Standard

BSR/IEEE C57.107-202x, Recommended Practice for Developing Design-Specific Operational Limits for Transformers Connected to Generators or Power Systems Subject to Significant Short-Term Changes in Voltage or Frequency (new standard)

Stakeholders: Transformer users and manufacturers.

Project Need: There currently are no IEEE Standards, Guides, or Recommended Practices that cover the planned content of this document.

Scope: This recommended practice describes procedures for developing design-specific operational limits for liquid-immersed power transformers that are connected to generators or power systems that are subjected to significant short duration increases in the core excitation caused by significant changes in the voltage and/or frequency levels.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE C57.141-202x, Guide for Detection, Monitoring, and Evaluation of Winding Deformation in Liquid-Immersed Power Transformers (new standard)

Stakeholders: Producers (manufacturers), operators (owners), and individuals, who are interested or specified in vibration detection, monitoring, and evaluation of transformer will benefit from this guide.

Project Need: Currently, there are no specifications for transformer vibration signal assessment. This leads to uncertainty in the accuracy of transformer vibration signal assessments. A guide is needed to enable better analysis of these transformer vibrations.

Scope: This guide provides detection, monitoring, and evaluation guidance for winding deformation of liquid-immersed power transformers rated 69kV and above. It includes the following parts: general requirements, detection and condition evaluation methods for vibration detection, and monitoring of transformer winding deformation.

IEEE (Institute of Electrical and Electronics Engineers)

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Revision

BSR/IEEE C57.637-202x, Guide for Reclamation and Reconditioning of Insulating Liquids (revision of ANSI/IEEE C57.637-2015)

Stakeholders: Transformer users, consultants, manufacturers.

Project Need: The guide requires revision to include current information regarding reclamation of used transformer mineral oil and the associated test methods and suggested properties for reuse.

Scope: This guide applies to mineral oil, natural esters, synthetic esters, silicone, and less flammable hydrocarbon (LFH) insulating liquids used in electrical equipment. The guide covers definition and description of reclaiming and reconditioning procedures; the test methods used to evaluate the progress and end point of the process. This guide does not cover the use of insulating liquids in new apparatus under warranty and re-refining of insulating liquids.

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

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National Adoption

INCITS/ISO/IEC 14496-12:2022 [202x], Information technology - Coding of audio-visual objects - Part 12: ISO base media file format (identical national adoption of ISO/IEC 14496-12:2022 and revision of INCITS/ISO/IEC 14496-12:2020 [2021])

Stakeholders: ICT Industry.

Project Need: Adoption of this International Standard is beneficial to the ICT Industry.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Specifies the ISO base media file format, which is a general format forming the basis for a number of other more specific file formats. This format contains the timing, structure, and media information for timed sequences of media data, such as audio-visual presentations.

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

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National Adoption

INCITS/ISO/IEC 15444-4:2021 [202x], Information technology - JPEG 2000 image coding system - Part 4: Conformance Testing (identical national adoption of ISO/IEC 15444-4:2021 and revision of INCITS/ISO/IEC 15444-4:2004 [R2018])

Stakeholders: ICT Industry.

Project Need: Adoption of this International Standard is beneficial to the ICT Industry.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Specifies the framework, concepts, methodology for testing, and criteria to be achieved to claim compliance to Rec. ITU-T T.800 | ISO/IEC 15444-1 or Rec. ITU-T T.814 | ISO/IEC 15444-15. It provides a framework for specifying abstract test suites (ATSs) and for defining the procedures to be followed during compliance testing.

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

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National Adoption

INCITS/ISO/IEC 15444-5:2021 [202x], Information technology - JPEG 2000 image coding system - Part 5: Reference software (identical national adoption of ISO/IEC 15444-5:2021 and revision of INCITS/ISO/IEC 15444-5:2015 [2019])

Stakeholders: ICT Industry.

Project Need: Adoption of this International Standard is beneficial to the ICT Industry.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Defines a set of lossless and lossy compression methods for coding continuous-tone, bi-level, greyscale, or colour digital still images. This Recommendation | International Standard provides three independently created software reference implementations of Rec. ITU-T T.800 | ISO/IEC 15444-1, in order to assist implementers of Rec. ITU-T T.800 | ISO/IEC 15444-1 in testing and understanding its content. The packages are JASPER, JJ2000 and OPENJPEG.

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

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National Adoption

INCITS/ISO/IEC 15444-16:2021 [202x], Information technology - JPEG 2000 image coding system - Part 16: Encapsulation of JPEG 2000 images into ISO/IEC 23008-12 (identical national adoption of ISO/IEC 15444-16:2021 and revision of INCITS/ISO/IEC 15444-16:2019 [2021])

Stakeholders: ICT Industry.

Project Need: Adoption of this International Standard is beneficial to the ICT Industry.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Specifies the encapsulation of image formats specified in the JPEG 2000 family of Recommendations | International Standards in the framework defined in ISO/IEC 23008-12.

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National Adoption

INCITS/ISO/IEC 15938-16:2021 [202x], Information technology - Multimedia content description interface - Part 16: Conformance and reference software for compact descriptors for video analysis (identical national adoption of ISO/IEC 15938-16:2021)

Stakeholders: ICT Industry.

Project Need: Adoption of this International Standard is beneficial to the ICT Industry.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Specifies the assessment of conformance to ISO/IEC 15938-15 as well as the reference software.

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National Adoption

INCITS/ISO/IEC 23000-19:2020/AM1:2021 [202x], Information technology - Multimedia application format (MPEG-A) - Part 19: Common media application format (CMAF) for segmented media - Amendment 1: Additional CMAF HEVC media profiles (identical national adoption of ISO/IEC 23000-19:2020/AM1:2021)

Stakeholders: ICT Industry.

Project Need: Adoption of this International Standard is beneficial to the ICT Industry.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Amendment 1 to ISO/IEC 23000-19:2020.

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National Adoption

INCITS/ISO/IEC 23000-21:2019/AM1:2021 [202x], Information technology - Multimedia application format (MPEG-A) - Part 21: Visual identity management application format - Amendment 1: Conformance and reference software (identical national adoption of ISO/IEC 23000-21:2019/AM1:2021)

Stakeholders: ICT Industry.

Project Need: Adoption of this International Standard is beneficial to the ICT Industry.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Amendment 1 to ISO/IEC 23000-21:2019.

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

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

National Adoption

INCITS/ISO/IEC 23000-22:2019/AM1:2021 [202x], Information technology - Multimedia application format (MPEG-A) - Part 22: Multi-image application format (MIAF) — Amendment 1: Reference software and conformance for multi-image application format (identical national adoption of ISO/IEC 23000-22:2019/AM1:2021)

Stakeholders: ICT Industry.

Project Need: Adoption of this International Standard is beneficial to the ICT Industry.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Amendment 1 to ISO/IEC 23000-22:2019.

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

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

National Adoption

INCITS/ISO/IEC 23000-22:2019/AM2:2021 [202x], Information technology - Multimedia application format (MPEG-A) - Part 22: Multi-image application format (MIAF) - Amendment 2: HEVC Advanced HDR profile and other clarifications (identical national adoption of ISO/IEC 23000-22:2019/AM2:2021)

Stakeholders: ICT Industry.

Project Need: Adoption of this International Standard is beneficial to the ICT Industry.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Amendment 2 to ISO/IEC 23000-22:2019.

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

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

National Adoption

INCITS/ISO/IEC 24800-2:2021 [202x], Information technology - JPSearch - Part 2: Registration, identification and management of schema and ontology (identical national adoption of ISO/IEC 24800-2:2021)

Stakeholders: ICT Industry.

Project Need: Adoption of this International Standard is beneficial to the ICT Industry.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Specifies a series of interfaces to allow disparate systems an interoperable management of image repositories. It also specifies the general rules which govern the usage of metadata in JPSearch.

MHI (Material Handling Industry)

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

New Standard

BSR MH29.3-202X, Safety Requirements for Industrial Turntables (new standard)

Stakeholders: Manufacturers, distributors, and users of material handling equipment.

Project Need: The standard will establish criteria for design, manufacture, performance, operation, and safety of industrial turntables.

Interest Categories: Manufacturer, User, Distributor, General Interest

Scope: This standard applies to industrial turntables used in material handling applications. They are generally operated manually, or activated by hydraulic, pneumatic, mechanical, or electro-mechanical means. Industrial turntables can be stationary or movable and are generally used to rotate, position, feed, transfer, load, or unload materials. Industrial turntables are available in a range of capacities, sizes, and degrees of rotation.

MHI (Material Handling Industry)

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Revision

BSR MH30.1-202X, Design, Testing, and Utilization of Dock Leveling Devices (revision of ANSI MH30.1-2015)

Stakeholders: Manufacturers, distributors, and users of loading docks.

Project Need: This project updates and revises the existing standard published in 2015.

Interest Categories: Manufacturer, User, Distributor, General Interest

Scope: This standard applies to dock-leveling devices used in loading dock applications. A dock-leveling device is a manufactured structure designed to span and compensate for space and height differentials between a loading dock and a transport vehicle to facilitate freight transfers in an effective and efficient manner. The three types of dock-leveling devices within the scope of this standard include dock-faced mounted type, fixed type, and rail dock-leveling devices.

MHI (Material Handling Industry)

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Revision

BSR MH30.2-202X, Design, Testing, and Utilization of Portable Dock Boards and Dock Plates (revision of ANSI/MH30.2-2015)

Stakeholders: Manufacturers, distributors, and users of loading docks.

Project Need: This project updates and revises the existing standard published in 2015.

Interest Categories: Manufacturer, User, Distributor, General Interest

Scope: This standard defines design, testing, and utilization requirements for dock boards and dock plates, collectively known as portable dock-leveling devices. The purpose of this standard is to provide a uniform means of comparison, improve user confidence and knowledge, and to define product requirements for portable dock-leveling devices. A portable-type dock-leveling device is not permanently affixed to either the transport vehicle or the dock structure, and is capable of being moved from one location to another by manual effort or by independently powered equipment. Portable dock-leveling devices are commonly referred to as dock boards or dock plates.

MHI (Material Handling Industry)

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Revision

BSR MH30.3-202X, Design, Testing, and Utilization of Vehicle Restraining Devices (revision of ANSI/MH30.3-2015)

Stakeholders: Manufacturers, distributors, and users of loading docks.

Project Need: This project updates and revises the existing standard published in 2015.

Interest Categories: Manufacturer, User, Distributor, General Interest

Scope: This standard defines performance and testing requirements with regard to design, use, and maintenance of vehicle-restraining devices. The purpose of this standard is to provide a uniform means of comparison, to improve user confidence and knowledge, and to define requirements for vehicle-restraining devices. A vehicle-restraining device is a manufactured structure designed to interface between a loading dock and a transport vehicle. It is intended to facilitate effective and efficient freight transfers by limiting vehicle creep and preventing unscheduled departure.

NASPO (North American Security Products Organization)

Michael O'Neil; mikeo@naspo.info | 1300 I Street, NW, Suite 400E | Washington, DC 20005 www.naspo.info

Revision

BSR/NASPO SMS 02-202x, NASPO Security Management Standard (revision and redesignation of ANSI/NASPO SA-2015)

Stakeholders: Security product suppliers, security organizations, security printers, security document users, identity document providers.

Project Need: The current standard is used by multiple organization to establish and maintain their organizational security procedures and practices. It is also used by organizations to assure relying organizations of the their compliance to security management practices.

Interest Categories: Producer, User, and Interested Parties

Scope: This standard is intended to provide an organization with a set of requirements that will aid in establishing an organization's security policies, procedures, and practices. This standard is a risk-based security system standard designed to be used by organizations as part of an overall management system.

NEMA (ASC C12) (National Electrical Manufacturers Association)

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

New Standard

BSR C12.33-202x, DC Voltage and Current Transducer Standard (new standard)

Stakeholders: Electric Utilities, electricity meter manufacturers, third-party testing agencies.

Project Need: Covers a gap in existing standards.

Interest Categories: User, Producer, General Interest

Scope: This Standard establishes acceptable performance criteria for utility revenue-grade Direct Current (dc) current and voltage transducers. The standard provides performance and interchangeability requirements.

SCTE (Society of Cable Telecommunications Engineers)

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

New Standard

BSR/SCTE EMS 43-202x, Implementation of Hot Standby in Inside Plant Platform Powering (new standard)

Stakeholders: Cable Telecommunications Industry.

Project Need: Create new American National Standard.

Interest Categories: General Interest, Producer, User

Scope: This document will engage original equipment manufacturers to ascertain roadmaps for hot-standby-platform power supply functionality. This document will define hot-standby-enabled equipment and their applications and benefits to cable operators. Finally, this standard will define limits for power consumption of the standby power supplies.

TAPPI (Technical Association of the Pulp and Paper Industry)

William Millians; standards@tappi.org | 15 Technology Parkway, Suite 115 | Peachtree Corners, GA 30092 www.tappi.org

Reaffirmation

BSR/TAPPI T 212 om-2012 (R202x), One percent sodium hydroxide solubility of wood and pulp (reaffirmation of ANSI/TAPPI T 212 om-2012 (R2018))

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI/ANSI Standard.

Scope: This method for determination of 1% sodium hydroxide solubility can be applied to wood and to unbleached and bleached pulp.

TAPPI (Technical Association of the Pulp and Paper Industry)

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Reaffirmation

BSR/TAPPI T 262 sp-2012 (R202x), Preparation of mechanical pulps for testing (reaffirmation of ANSI/TAPPI T 262 sp-2012 (R2018))

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI/ANSI Standard.

Scope: This practice describes a procedure for the preparation of mechanical pulps prior to physical testing.

TAPPI (Technical Association of the Pulp and Paper Industry)

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Reaffirmation

BSR/TAPPI T 281 sp-2018 (R202x), Open drum washer mat sampling technique (reaffirmation of ANSI/TAPPI T 281 sp-2018)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI/ANSI Standard.

Scope: This practice provides a means to collect pulp mat and liquor samples from open drum washers.

TAPPI (Technical Association of the Pulp and Paper Industry)

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Reaffirmation

BSR/TAPPI T 419 om-2018 (R202x), Starch in paper (reaffirmation of ANSI/TAPPI T 419 om-2018)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI/ANSI Standard.

Scope: This method describes the qualitative and the quantitative determination of unmodified starches and starches modified only by conventional oxidation techniques or enzyme conversion, which are used for beater addition or surface sizing.

TAPPI (Technical Association of the Pulp and Paper Industry)

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Reaffirmation

BSR/TAPPI T 464 om-2012 (R202x), Water vapor transmission rate of paper and paperboard at high temperature and humidity (reaffirmation of ANSI/TAPPI T 464 om-2012 (R2018))

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI/ANSI Standard.

Scope: This method is for the gravimetric determination of the water vapor transmission rate (WVTR) of sheet materials at 37.8 °C (100 °F) with an atmosphere of 90% RH on one side and a desiccant on the other

TAPPI (Technical Association of the Pulp and Paper Industry)

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Reaffirmation

BSR/TAPPI T 530 om-2018 (R202x), Size test for paper by ink resistance (Hercules-type method) (reaffirmation of ANSI/TAPPI T 530 om-2018)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI/ANSI Standard.

Scope: There are many methods for measuring the aqueous resistance of paper and paperboard. These methods can be placed in categories depending on the way water hold-out is measured. One way of classifying tests could be direct versus indirect measurement. Another might be fixed-time versus degree of penetration. Ink resistance by the Hercules method is best classified as a direct measurement test for the degree of penetration. Others classify it as a rate of penetration test. There is no one best test for measuring "sizing." Test selection depends on end use and mill control needs. This method is especially suitable for use as a mill control sizing test to accurately detect changes in sizing level. It offers the sensitivity of the ink float test while providing reproducible results, shorter test times, and automatic end-point determination.

TAPPI (Technical Association of the Pulp and Paper Industry)

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Reaffirmation

BSR/TAPPI T 536 om-2018 (R202x), Resistance of paper to passage of air (high-pressure Gurley method) (reaffirmation of ANSI/TAPPI T 536 om-2018)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI/ANSI Standard.

Scope: This method is used to measure the air resistance of approximately 6.4 sq. cm. (1 sq. in.) circular area of paper using a pressure differential of approximately 3 kPa. The recommended range of this instrument is for papers that require 10 or more seconds for 10 mL of air to pass through. Refer to the manufacturer's instructions for the upper range limits. For more permeable papers, other techniques are preferable. Instruments are available with automatic timing devices.

TAPPI (Technical Association of the Pulp and Paper Industry)

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Reaffirmation

BSR/TAPPI T 547 om-2012 (R202x), Air permeance of paper and paperboard (Sheffield method) (reaffirmation of ANSI/TAPPI T 547 om-2012 (R2018))

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI/ANSI Standard.

Scope: This method is used to measure the air permeance of a circular area of paper using a pressure differential of approximately 10 kPa (1.5 psig). In order to accommodate a wide range of paper products, rubber clamping plates are available for five commonly used orifice diameters: 9.5 mm (0.375 in.), 19.1 mm (0.75 in.), 38.1 mm (1.50 in.), 57.2 mm (2.25 in.), and 76.2 mm (3.00 in.). The air flow range for this method is 0 to 3348 mL/min (0 to 400 Sheffield units). Instruments are available with either variable area flowmeters (glass tubes with internal tapers and floats) or electronic mass flowmeters.

TAPPI (Technical Association of the Pulp and Paper Industry)

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Reaffirmation

BSR/TAPPI T 579 om-2018 (R202x), Diffuse brightness of paper, paperboard and pulp (d/0) (ultraviolet level D65) (reaffirmation of ANSI/TAPPI T 579 om-2018)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI/ANSI Standard.

Scope: This method determines the brightness of white, near-white, and naturally colored pulp, paper, and paperboard. Brightness is a commonly used industry term for the numerical value of the reflectance factor of a sample with respect to blue light of specific spectral and geometric characteristics. This method requires an instrument employing diffuse illumination and 0° viewing geometry.

TAPPI (Technical Association of the Pulp and Paper Industry)

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Reaffirmation

BSR/TAPPI T 1210 sp-2018 (R202x), Units of measurement and conversion factors (reaffirmation of ANSI/TAPPI T 1210 sp-2018)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI/ANSI Standard

Scope: This Standard Practice deals with the application of the International System of units (abbreviated "SI" or "SI metric units") within the field of pulp, paper, and paperboard. TAPPI regulations require the use of the SI units as the preferred units in TAPPI Test Methods and other TAPPI publications.

TAPPI (Technical Association of the Pulp and Paper Industry)

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Reaffirmation

BSR/TAPPI T 1216 sp-2018 (R202x), Indices for whiteness, yellowness, brightness, and luminous reflectance factor (reaffirmation of ANSI/TAPPI T 1216 sp-2018)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI/ANSI Standard.

Scope: This Standard Practice deals only with simplified color indices applicable specifically to white colors. There are approximately 5000 distinguishable white colors. As with any other color, three numbers are necessary for the complete identification of any white. All the color and color difference scales regularly used for color specification are applicable to white colors.

UL (Underwriters Laboratories)

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

New Standard

BSR/UL 1390-202x, Fireplace Inserts and Hearth-Mounted Stoves for Installation into Masonry Fireplaces (new standard)

Stakeholders: Manufacturers of Factory-Built Fireplaces, Fireplace Insert Installers, Regulators, Homeowners.

Project Need: ANSI/CAN/UL/ULC 1390 will provide requirements for both USA and Canada and introduce requirements for zero-clearance construction that address the safety needs of the current installation market.

Scope: These requirements cover solid-fuel burning prefabricated fireplace inserts and hearth-mounted stoves for masonry fireplaces intended to be vented through the throat of a masonry fireplace. The appliances may be installed into new masonry fireplaces, or masonry fireplaces that have been operated for some time. The requirements include testing with a continuous chimney liner from the appliance collar to the point of termination. This Standard covers catalytic combustors utilized with fireplace inserts or hearth-mounted stoves. Fireplace inserts and hearth-mounted stoves as covered by this standard are not intended for installation in factory-built fireplaces within the scope of CAN/ULC-S610 or UL 127, or steel liner assemblies within the scope of CAN/ULC-S639 or UL 907, artificial fireplaces, or similar appliances (e.g., a tubular grate). Refer to UL/ULC 1391, Standard for Solid-Fuel Space Heaters for Installation into Factory-Built Fireplace, for the requirements applicable to the installation of fireplace inserts or hearth-mounted stoves into factory-built fireplaces. This Standard does not cover free-standing solid-fuel space heaters.

UL (Underwriters Laboratories)

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New Standard

BSR/UL 1391-202x, Solid-Fuel Fireplace Inserts and Hearth-Mounted Stoves for Installation into Factory-Built Fireplaces (new standard)

Stakeholders: Manufacturers of Factory-Built Fireplaces, Fireplace Insert Installers, Regulators, Homeowners.

Project Need: This standard addresses a gap in consensus-requirement coverage for the long-standing industry practice of installing space heaters into factory-built fireplaces as retrofits. UL/ULC 1391 will provide requirements for both USA and Canada, and introduce requirements for zero-clearance construction that address the safety needs of the current installation market.

Scope: These requirements cover fireplace inserts or hearth-mounted stoves intended for installation into factory-built fireplaces. The appliances are generally installed into factory-built fireplaces that have themselves been installed into combustible constructions, and operated for some time, i.e., the fireplace insert or hearth-mounted stove installations are retrofits. These appliances are designed for burning solid fuels. Fireplace inserts or hearth-mounted stoves as covered by this standard are intended for installation in factory-built fireplaces conforming to the requirements of CAN/ULC-S610, Standard for Factory-Built Fireplaces, or UL 127, Standard for Factory-Built Fireplaces. The requirements include testing with a continuous chimney liner from the appliance collar to the point of termination. This Standard covers catalytic combustors utilized with the fireplace inserts or hearth-mounted stoves. Refer to UL/ULC 1390, Standard for Fireplace Inserts and Hearth-mounted Stoves for masonry fireplaces, for the requirements applicable to appliances intended to be vented through the throat of a masonry fireplace. This Standard does not cover free-standing solid-fuel space heaters.

UL (Underwriters Laboratories)

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New Standard

BSR/UL 2684-202x, Standard for Safety for Video and Thermal Image Detectors for Fire Alarm Systems (new standard)

Stakeholders: Producer support indicated by Scott Lang, representing Honeywell International, Inc.; Maggy Baetens, representing Araani NV; and Kevin Montgomery, representing Fike Corporation. Support from a testing and standards organization member is also indicated by Dan Grosch, representing UL LLC. Stakeholders serving on the task group developing a draft of the to-be proposed first edition standard also represent many interest categories. Members of the task group include Authorities Having Jurisdiction (AHJ), Bruce Patterson, representing Office Of The Fire Marshal & Emergency Management Commercial; Commercial and Industrial User, Iman Yavari, representing Onyx Group of Companies, and General Interest member, Rick Jeffress, representing Fike Corporation. Additionally, the products being sold and installed for fire detection are intended to safeguard the health and safety of users to preserve life and property against elements of fire.

Project Need: There are products that are being sold and installed for fire detection that do not pass a standard that has been developed by a consensus process. This is leading to a lack of quality and uniformity in product quality and reliability. Furthermore, the lack of a product standard is impeding the inclusion of this potentially life-and property-saving technology in building and fire codes.

Scope: This Standard sets forth requirements for video and thermal-image fire detectors and accessories for non-dwelling units, including mechanical guards to be employed in indoor locations (for video and thermal) and outdoor (for thermal) in accordance with the following: In the United States: National Fire Alarm and Signaling Code, NFPA 72, and National Electrical Code, NFPA 70; In Canada: Standard for the Installation of Fire Alarm Systems, CAN/ULC-S524; National Building Code of Canada; and National Fire Code of Canada. A detector, as covered by this standard, consists of an assembly of electrical and mechanical components to sense smoking or flaming combustion in the visual and/or heat from combustion in the thermal spectra using a focal plane array (imager). The detector includes provision for the connection to a source of power, signaling, and optional remote-control circuits. Additional functionality is permitted to be incorporated as part of the detector assembly. This standard covers detectors intended for open-area protection and for connection to a compatible power supply or control unit for operation as part of a fire alarm system. These requirements also cover all remote accessories that are intended to be connected to a detector.

Call for Comment on Standards Proposals

American National Standards

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: April 17, 2022

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

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

Addenda

BSR/ASHRAE/ASHE Addendum 170f-202x, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 170-2021)

Healthcare facilities often have a mixture of spaces within the scope of Standard 170 and Standard 62.1. Although Standard 170 gives the option to use Standard 62.1, Ventilation Rate Procedure for Outdoor Air Calculation, there is no clear direction on how to calculate the total outdoor air at the system levels for systems serving both 170 and 62.1 spaces. This proposed addendum clarifies how to calculate this. A working group of members from both SSPC170 and SSPC62.1 investigated the use of 4 possible calculations methods and selected the most appropriate method which was tested on 14 actual healthcare projects.

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

Send comments (copy psa@ansi.org) to: Online Comment Database at <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

Comment Deadline: April 17, 2022

NSF (NSF International)

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

Revision

BSR/NSF 173-202x (i92r2), Dietary Supplements (revision of ANSI/NSF 173-2021)

The purpose of NSF/ANSI 173 is to serve as an evaluation tool for analyzing dietary supplements.

Certification to this Standard serves as a communication tool between manufacturers of ingredients and finished product, retailers, healthcare practitioners, and consumers. This Standard provides test methods and evaluation criteria to allow for the determination that a dietary supplement contains the ingredients claimed on the label, either qualitatively or quantitatively, and that it does not contain specific undeclared contaminants. In some instances, validated laboratory methods are not yet available for analyzing certain ingredients. In such cases, new methods will be added to this Standard as they become available.

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

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

RESNET (Residential Energy Services Network, Inc.)

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

Revision

BSR/RESNET/ICC 301-2022 Addendum A-202x, Renewable Energy Certificates (revision of ANSI/RESNET/ICC 301-2022)

Addendum A adds a definition for Renewable Energy Certificates (RECs) to the standard and requires documenting the ownership status of RECs when renewable energy systems are used for onsite power production. The addendum also revises the definition of Infiltration Volume.

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

Send comments (copy psa@ansi.org) to: RESNET using the online comment form which is accessed by following the "ANSI Standards & Amendments Out For Public Comment" link on webpage: <https://www.resnet.us/about/standards/standards-currently-out-for-public-comment/> then selecting the link to this

UL (Underwriters Laboratories)

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

National Adoption

BSR/UL 60335-2-24-202X, Standard for Household and similar electrical appliances - Safety - Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice-makers (identical national adoption of IEC 60335-2-24 and revision of ANSI/UL 60335-2-24-2020)

ANSI approval of the 3rd edition of UL 60335-2-24. Replace the ISO 7010 W021 flammable refrigerant label with the United Nations GHS red diamond flame symbol in all HVAC/R standards.

[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: April 17, 2022

UL (Underwriters Laboratories)

171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada | sabrina.khrebto@ul.org, <https://ul.org/>

Revision

BSR/UL 514A-202X, Standard for Safety for Metallic Outlet Boxes (revision of ANSI/UL 514A-2017)

Topic 1: Slots in adjustable metal outlet boxes for use only with bar hanger assemblies.

[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: May 2, 2022

ACP (American Clean Power Association)

1501 M Street NW, Suite 900, Washington, DC 20005 | standards@cleanpower.org, www.cleanpower.org

New Standard

BSR/ACP OCRP-1-202x, The American Clean Power Association Offshore Compliance Recommended Practices (OCRP) Edition 2 (new standard)

This public comment is specific to changes made during resolution of comments. This document applies to offshore wind farm assets that extract kinetic energy from wind, transmit electricity to shore-based grids, and/or store energy using facilities or devices located offshore or on land. The scope includes wind farm assets that may potentially be installed in state and federal waters in the contiguous U.S., Alaska, and Hawaii, including inland bodies of water such as the Great Lakes. The scope includes wind farm assets installed in salt or fresh water with a rotor swept area greater than 200 m². The scope includes the design, manufacturing, installation, commissioning, operation and service, decommissioning, and repowering within the project life-cycle cycle of a wind farm. The equipment covered in the scope shall include rotor-nacelle assemblies, towers, substructures, foundations, offshore substations, inter-array and export cables (by reference to ACP OCRP-5 Recommended Practices for Submarine Cables), measurement and monitoring equipment, and any other permanently installed auxiliary platforms or equipment.

Single copy price: Free

Obtain an electronic copy from: standards@cleanpower.org

Send comments (copy psa@ansi.org) to: Michele Mihelic, standards@cleanpower.org, <https://cleanpower.org/standards-development/>

AGMA (American Gear Manufacturers Association)

1001 N Fairfax Street, 5th Floor, Alexandria, VA 22314-1587 | tech@agma.org, www.agma.org

Reaffirmation

BSR/AGMA 9003-C-2017 (R202x), Flexible Couplings - Keyless Fits (reaffirmation of ANSI/AGMA 9003-C-2017)

This standard presents information on design, dimensions, tolerances, inspection, mounting, removal, and equipment that is in common use with keyless tapered and keyless straight (cylindrical) bore hubs for flexible couplings.

Single copy price: \$76.00

Obtain an electronic copy from: tech@agma.org

Order from: tech@agma.org

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

Comment Deadline: May 2, 2022

AGMA (American Gear Manufacturers Association)

1001 N Fairfax Street, 5th Floor, Alexandria, VA 22314-1587 | tech@agma.org, www.agma.org

Reaffirmation

BSR/AGMA 9103-C-2017 (R202x), Flexible Couplings - Keyless Fits (Metric Edition) (reaffirmation of ANSI/AGMA 9103-C-2017)

This standard presents information on design, dimensions, tolerances, inspection, mounting, removal, and equipment that is in common use with keyless tapered and keyless straight (cylindrical) bore hubs for flexible couplings.

Single copy price: \$70.00

Obtain an electronic copy from: tech@agma.org

Order from: tech@agma.org

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

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

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

New Standard

BSR/AHRI Standard 530-202x (S-I), Rating of Sound and Vibration for Refrigerant Compressors (new standard)

The current published standard applies to External-drive, Hermetic, and Semi-Hermetic Positive Displacement Refrigerant Compressors. The purpose of this standard is to establish for the rating of sound and vibration for Refrigerant Compressors: definitions; test requirements; rating requirements; minimum data requirements for published ratings; and conformance conditions.

Single copy price: Free

Obtain an electronic copy from: <https://ahrinet.org/standards/how-to-participate>

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

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 BSR/ASAE EP559.2 MONYEAR-202x, Design Requirements and Engineering Properties for Mechanically-Laminated Wood (Mechlam) Assemblies (revision and redesignation of ANSI/ASAE EP559.1 W/Corr. 1 AUG2010 (R2014))

This Engineering Practice provides equations for calculating the adjusted design moment for bending about either assembly axis, and the adjusted design forces for axial tension and axial compression for spliced and unspliced mechlam assemblies. This EP also contains methodology for establishing the flexural rigidity value (EI) for bending about either assembly axis and equations for calculating minimum flexural rigidity values (Elmin) for beam and column stability calculations.

Single copy price: \$51.00 (ASABE members); \$75.00 (non-members)

Obtain an electronic copy from: walsh@asabe.org

Order from: Jean Walsh; walsh@asabe.org

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

Comment Deadline: May 2, 2022

ATIS (Alliance for Telecommunications Industry Solutions)

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

Reaffirmation

BSR/ATIS 0300003-2017 (R202x), XML Schema Interface for Fault Management (Trouble Administration) (reaffirmation of ANSI/ATIS 0300003-2017)

This standard provides an XML schema information model for Trouble Administration and an XML schema interface for Trouble Administration functions and services. Additional information from the original CMIP-based Trouble Administration standards ATIS-0300227.2008 and ATIS-0300228.2011 can be found in informative annexes to this document. It is the intention that this document be used for current implementations of Electronic Bonding, which to this Committee's knowledge are all implemented using XML. The informative annexes have been included here so as not to lose context information that may still prove to be of value.

Single copy price: Free

Obtain an electronic copy from: dgreco@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

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

Reaffirmation

BSR/ATIS 0600004-2017 (R202x), Equipment Surface Temperature (reaffirmation of ANSI/ATIS 0600004-2017)

This standard sets forth the test methods and temperature limits for verifying surface temperatures of network telecommunications equipment. High exterior temperatures of exposed surfaces on equipment may cause injury or accidents to personnel working with or around the equipment. The purpose of the standard is to establish guidelines for verification testing and temperature limits with which equipment surfaces must be in conformance. The test methods described in this standard apply to all network communications equipment that may be installed in equipment areas.

Single copy price: Free

Obtain an electronic copy from: dgreco@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

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

Stabilized Maintenance

BSR/ATIS 0600010.02-2012 (S202x), Equipment Handling, Transportation Vibration, and Rail Car Shock Requirements for Network Communications Equipment (stabilized maintenance of ANSI/ATIS 0600010.02-2012 (R2017))

This standard specifies covers the minimum equipment handling, transportation vibration, and rail car shock criteria for communications equipment. It is the intent of this standard to utilize the latest versions of ATIS standards that are referenced. It is also the intent to utilize (where appropriate) newer versions of other standards or documents that are referenced, provided they do not conflict with the intent of this standard.

Single copy price: Free

Obtain an electronic copy from: dgreco@atis.org

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

Comment Deadline: May 2, 2022

AWS (American Welding Society)

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

Reaffirmation

BSR/AWS B2.1-1-027-2018 (R202x), Standard Welding Procedure Specification (SWPS) for Self-Shielded Flux Cored Arc Welding of Carbon Steel (M-1 or P-1, Groups 1 and 2), 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, E71T-11, in the As-Welded Condition, Primarily Plate and Structural Applications (reaffirmation of ANSI/AWS B2.1-1-027-2018)

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1/2 inch [13 mm], using self-shielded flux-cored arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove and fillet welds. This SWPS was developed primarily for plate and structural applications.

Single copy price: \$136.00

Obtain an electronic copy from: jrosario@aws.org

Order from: Jennifer Rosario; jrosario@aws.org

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

AWWA (American Water Works Association)

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

Revision

BSR/AWWA C909-202x, Molecularly Oriented Polyvinyl Chloride (PVCO) Pressure Pipe, 4 In. (100 mm) and Larger (revision of ANSI/AWWA C909-2015)

This standard pertains to molecularly oriented polyvinyl chloride (PVCO) pressure pipe that is manufactured from starting stock pipe made from ASTM D1784 cell class 12454 material.

Single copy price: Free

Obtain an electronic copy from: ETSSupport@awwa.org

Order from: Vicki David; vdavid@awwa.org

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

CPLSO

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

Revision

BSR/CPLSO 17-202x, Electrical Characteristics of ECDs and CEWs. (revision of ANSI/CPLSO-17-2017)

This standard is applicable for high-voltage Electronic Control Devices, (ECD), or Conductive Electrical Weapons, (CEW). This standard specifies the characteristic electrical requirements for effective and safe performance.

Single copy price: \$1,000.00

Obtain an electronic copy from: www.cplso.org

Order from: CPLSO

Send comments (copy psa@ansi.org) to: pratt.hugh@cplso.org

Comment Deadline: May 2, 2022

CSA (CSA America Standards Inc.)

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

Revision

BSR/CSA NGV 4.2-202x, Hose and hose assemblies for natural gas dispensing systems (revision of ANSI/CSA NGV 4.2-2014 (R2019))

This standard establishes requirements for newly manufactured compressed natural gas hose and hose assemblies, intended for use in natural gas dispensing stations. Hose assemblies may be categorized by the following classes:

- Class A: Hose Assembly connecting the dispenser to the fueling nozzle;
- Class D: Hose assemblies used on other station equipment.

NOTE: Refer to ANSI NGV 3.1-2014 * CSA 12.3-2014, Part 22 for Class B and C vehicle hoses.

The requirements of this standard may be superseded by an application-specific standard. Hose assemblies certified under this standard may be assembled at either the point of manufacture of the bulk hose, or at hose assembly facilities authorized by the bulk hose manufacturer. Annex A (Applications Summary Table) provides clarification of the applicability of each clause in this standard to each Class of hose assemblies.

Single copy price: Free

Obtain an electronic copy from: ansi.contact@csagroup.org

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

CTA (Consumer Technology Association)

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

New Standard

BSR/CTA 2102-202x, Performance Criteria and Testing Protocols for Breathing Parameters (new standard)

This standard establishes definitions and performance criteria for consumer technology measuring breathing parameters including Breathing Rate (BR). Specifically, the standard provides a process for the evaluation of respiration monitoring solutions through a variety of applications including sedentary, exercise, sleep, and typical lifestyle activity.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

Order from: standards@cta.tech

Send comments (copy psa@ansi.org) to: CAkers@cta.tech

Comment Deadline: May 2, 2022

ICC (International Code Council)

4051 Flossmoor Road, Country Club Hills, IL 60478 | kaittaniemi@iccsafe.org, www.iccsafe.org

Revision

BSR/CSA B805/ICC 805-202x, Rainwater Harvesting Systems (revision of ANSI/CSA B805/ICC 805-2018) As part of periodic maintenance, CSA B805/ICC 805 will undergo an update to be consistent with current industry practices. This standard applies to the design, installation, and maintenance of rainwater collection systems intended to collect, store, treat, distribute, and utilize rainwater for potable and non-potable applications. This standard is intended to apply to new rainwater collection installations as well as alterations, additions, maintenance and repair to existing installations. Includes systems designed for residential, commercial, industrial, and agricultural applications.

Single copy price: Free

Obtain an electronic copy from: <https://can01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fpublicreview.csa.ca%2FDocument%2FManage%2F4512&data=04%7C01%7Cmonica.khalil%40csagroup.org%7C786b58527fb8440e4d8b08d9f8a5042b%7Ce600ad84320a43efbfa48f5d25019bde%7C0%7C0%7C6378142098905624>

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

IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854 | J.Santulli@ieee.org, www.ieee.org

Reaffirmation

BSR N42.49A (R202x), Standard for Performance Criteria for Alarming Electronic Personal Emergency Radiation Detectors (PERDs) for Exposure Control (reaffirmation and redesignation of ANSI/N42.49a-2011) This standard is to establish minimum performance criteria and test requirements for four categories of alarming electronic radiation measurement instruments used to manage exposure by alerting the emergency responders when they are exposed to photon radiation.

Single copy price: \$94.00

Obtain an electronic copy from: J.Santulli@ieee.org

Send comments (copy psa@ansi.org) to: Jennifer Santulli; J.Santulli@ieee.org

NEMA (ASC Z535) (National Electrical Manufacturers Association)

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

Revision

BSR Z535.1-202x, Standard for Safety Colors (revision of ANSI Z535.1-2017)

This standard provides a system for specifying safety colors, in terms of Munsell notations, CIE colorimetric data, defined chromaticity regions, and color formulas for each ANSI and ISO safety color used on safety signs, labels, and tags. It is beyond the scope of this standard to provide in-depth instructions for color measurement. It is beyond the scope of this standard to address the color of safety sign, label or tag substrates.

Single copy price: \$156.00

Obtain an electronic copy from: pau_orr@nema.org

Order from: www.nema.org

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

Comment Deadline: May 2, 2022

NEMA (ASC Z535) (National Electrical Manufacturers Association)

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

Revision

BSR Z535.3-202x, Criteria for Safety Symbols (revision of ANSI Z535.3-2011 (R2017))

This standard provides general criteria for the design, evaluation, and use of safety symbols to identify and warn against specific hazards and to provide information to avoid personal injury.

Single copy price: \$220.00

Obtain an electronic copy from: pau_orr@nema.org

Order from: www.nema.org

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

SPRI (Single Ply Roofing Industry)

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

Revision

BSR/SPRI RP-14-202x, Wind Design Standard for Vegetative Roofing Systems (revision of ANSI/SPRI RP-14-2016)

This standard provides a method of determining wind resistance of vegetative roofing systems utilizing adhered roofing membranes. It is intended to provide a minimum design criterion and installation reference for those individuals who design, specify, and install vegetative roofing systems. It shall be used in conjunction with, or enhanced by, the installation specifications and requirements of the manufacturer of the specific products used in the vegetative roofing system.

Single copy price: Free

Obtain an electronic copy from: info@spri.org

Order from: Linda King; info@spri.org

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

UL (Underwriters Laboratories)

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

National Adoption

BSR/UL RP 60079-46-202x, Recommended Practice for Explosive Atmospheres - Part 46: Equipment Assemblies (national adoption with modifications of IEC TS 60079-46)

This proposal is for the adoption of IEC TS 60079-46, Explosive Atmospheres - Part 46: Equipment Assemblies, (first edition, issued by IEC August 2017) as a new IEC-based UL Recommended Practice, UL RP 60079-46 with US National Differences.

Single copy price: Free

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

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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: May 2, 2022

UL (Underwriters Laboratories)

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

Revision

BSR/UL 428A-202X, Standard for Electrically Operated Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations Up to 85 Percent (E0 - E85) (revision of ANSI/UL 428A-2021)

This proposal removes redundant requirements referenced in UL 429 and revises the Operations Test based on current practice.

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 | alan.t.mcgrath@ul.org, <https://ul.org/>

Revision

BSR/UL 428B-202X, Standard for Electrically Operated Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations Up To 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 428B-2021)

This proposal removes redundant requirements referenced in UL 429 and revises the Operations Test based on current practice.

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>

VITA (VMEbus International Trade Association (VITA))

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

Reaffirmation

BSR/VITA 48.8-2017 (R202x), Mechanical Standard for VPX REDI Air Flow Through Cooling, 1.0 to 1.5 Pitches (reaffirmation of ANSI/VITA 48.8-2017)

This document describes an open standard for the design requirements for an air flow-through cooled plug-in module having 3U and 6U form factors while retaining the VITA 46.0 connector layout. Unlike using cooling air impinged directly upon the components and circuit boards, this plug-in module uses a finned heat exchanger frame located within the central section of the assembly to top cool primary circuit board components as well as mezzanine board components. Both 3U and 6U standard form factors are offered using three defined pitch spacings, with options to have alternate air flow intake and exhaust paths. The plug-in modules of this standard exhibit a weight reduction and cost savings by eliminating both wedge retainer usage and module lever usage by way of using lightweight jack screws for plug-in module insertion and extraction into a subrack chassis. The intention of this standard is to optimize SWAP-C (Size, Weight, Power, Cost).

Single copy price: \$25.00

Obtain an electronic copy from: admin@vita.com

Send comments (copy psa@ansi.org) to: admin@vita.com

Comment Deadline: May 2, 2022

VITA (VMEbus International Trade Association (VITA))

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

Stabilized Maintenance

BSR/VITA 51.3-2010 (S202x), Qualification and Environmental Stress Screening in Support of Reliability Predictions (stabilized maintenance of ANSI/VITA 51.3-2010 (R2016))

This standard provides rules, permissions, and observations to assure that cost-effective Qualification and Environmental Stress Screening support valid reliability predictions and enhance electronics reliability. It includes a discussion of the systems engineering relationships between Qualification, Environmental Stress Screening, and reliability.

Single copy price: \$25.00

Obtain an electronic copy from: admn@vita.com

Send comments (copy psa@ansi.org) to: admin@vita.com

Comment Deadline: May 17, 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 A112.6.4/CSA B79.4-202x, Roof, Deck, and Balcony Drains (revision and redesignation of ANSI/ASME A112.6.4-2003 (R2012))

This Standard specifies design and performance requirements for roof drains. This Standard applies to the following types of roof drains: (a) general-purpose roof drains; (b) gutter and cornice; (c) parapet and promenade; (d) balcony; and (e) deck.

Single copy price: Free

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

Send comments (copy psa@ansi.org) to: guzman@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 19075-1:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 1: XQuery regular expressions (identical national adoption of ISO/IEC 19075-1:2021)

Describes the regular expression support in SQL (ISO/IEC 9075-2) adopted from the regular expression syntax of XQuery and XPath Functions and Operators 3.1, which is derived from Perl.

Single copy price: \$149.00

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: May 17, 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 19075-2:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 2: Time-related information (identical national adoption of ISO/IEC 19075-2:2021)

Describes the support in SQL for time-related information. This document discusses the following features of the SQL language:

- Time-related data types;
- Operations on time-related data;
- Time-related predicates;
- Application-time period tables;
- System-versioned tables; and
- Bi-temporal tables.

Single copy price: \$175.00

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 19075-3:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 3: SQL embedded in programs using the JavaTM programming language (identical national adoption of ISO/IEC 19075-3:2021)

This document describes the support for the use of SQL within programs written in Java. This document discusses the following features of the SQL language:

- The embedding of SQL expressions and statements in programs written in the Java programming language.

Single copy price: \$149.00

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: May 17, 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 19075-4:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 4: Routines and types using the Java™ programming language (identical national adoption of ISO/IEC 19075-4:2021)

This document provides a tutorial of SQL routines and types using the Java™ programming language. This document discusses the following features of the SQL Language:

- The use of routines written in the Java programming language within SQL expressions and statements;
- The use of user-defined types written in the Java programming language within SQL expressions and statements.

Single copy price: \$200.00

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

Order from: <http://webstore.ansi.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 19075-5:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 5: Row pattern recognition (identical national adoption of ISO/IEC 19075-5:2021)

Discusses the syntax and semantics for recognizing patterns in rows of a table, as defined in ISO/IEC 9075-2, commonly called “SQL/RPR”. SQL/RPR defines two features regarding row pattern recognition:

- Feature R010, “Row pattern recognition: FROM clause”;
- Feature R020, “Row pattern recognition: WINDOW clause”.

These two features have considerable syntax and semantics in common, the principle difference being whether the syntax is placed in the FROM clause or in the WINDOW clause.

Single copy price: \$225.00

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: May 17, 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 19075-6:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 6: Support for JSON (identical national adoption of ISO/IEC 19075-6:2021)

Describes the support in SQL for JavaScript Object Notation. This document discusses the following features of the SQL language:

- Storing JSON data;
- Publishing JSON data;
- Querying JSON data; and
- SQL/JSON data model and path language.

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 19075-7:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 7: Polymorphic table functions (identical national adoption of ISO/IEC 19075-7:2021)

This document describes the definition and use of polymorphic table functions in SQL. The Report discusses the following features of the SQL Language:

- The processing model of polymorphic table functions in the context of SQL;
- The creation and maintenance of polymorphic table functions;
- Issues related to methods of implementing polymorphic table functions;
- How polymorphic table functions are invoked by application programs; and
- Issues concerning compilation, optimization, and execution of polymorphic table functions.

Single copy price: \$250.00

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

Order from: <http://webstore.ansi.org/>

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Comment Deadline: May 17, 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 19075-8:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 8: Multidimensional arrays (identical national adoption of ISO/IEC 19075-8:2021)

Describes the definition and use of multidimensional arrays in SQL. Multidimensional arrays represent a core underlying structure of manifold science and engineering data. It is generally recognized today, therefore, that arrays have an essential role in Big Data and should become an integral part of the overall data type orchestration in information systems. This document discusses the syntax and semantics of operations on the MD-array data type defined in ISO/IEC 9075-15.

Single copy price: \$225.00

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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 21838-1:2021 [202x], Information technology - Top-level ontologies (TLO) - Part 1: Requirements (identical national adoption of ISO/IEC 21838-1:2021)

Specifies required characteristics of a domain-neutral top-level ontology (TLO) that can be used in tandem with domain ontologies at lower levels to support data exchange, retrieval, discovery, integration and analysis.

Single copy price: \$149.00

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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 21838-2:2021 [202x], Information technology - Top-level ontologies (TLO) - Part 2: Basic Formal Ontology (BFO) (identical national adoption of ISO/IEC 21838-2:2021)

Describes Basic Formal Ontology (BFO), which is an ontology that is conformant to the requirements specified for top-level ontologies in ISO/IEC 21838-1.

Single copy price: \$111.00

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

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Comment Deadline: May 17, 2022

UL (Underwriters Laboratories)

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

New Standard

BSR/UL 1337-202x, Standard for Safety for LP-Gas, Natural Gas, and Manufactured Gas Devices for Engine Fuel Systems (new standard)

Proposing to create a new Joint US/Canada standard UL/ULC 1337, Standard for LP-Gas, Natural Gas, and Manufactured Gas Devices for Engine Fuel Systems. At present, there is no Canadian equivalent for this standard so the creation of this standard would serve the industry in the US and Canada. This standard sets forth minimum requirements for the following types of devices for engine fuel system applications intended for use with liquefied petroleum gas (LP-Gas), natural gas, and/or manufactured gas.

- (a) Automatic shutoff valves - electrically operated or vacuum actuated (mechanical);
- (b) Combination manual/automatic shutoff valves - electrically operated or vacuum actuated (mechanical);
- (c) Carburetors or air-fuel mixers;
- (d) Regulators;
- (e) Vaporizers and vaporizer/regulators;
- (f) Filters and strainers;
- (g) Fuel locks and fuel-lock filters;
- (h) Fittings and connectors;
- (i) Quick connect couplings and quick closing couplings;
- (j) Liquid-level gauges;
- (k) Liquid-level control valves (also known as overfilling prevention devices);
- (l) Low-level sensor;
- (m) Relief devices; and
- (n) Fuel control valves.

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>

Project Withdrawn

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

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 30.1-2008 (S202x), 2mm Connector Practice on Conduction Cooled Euroboards (stabilized maintenance of ANSI/VITA 30.1-2008 (R2014))

Inquiries may be directed to Jing Kwok; jing.kwok@vita.com

Project Withdrawn

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 38-2003 (S201x), System Management on VMEbus (stabilized maintenance of ANSI/VITA 38-2003 (R2008))

Inquiries may be directed to Jing Kwok; jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 58.0-2009 (S202x), Line Replaceable Integrated Electronics Chassis Standard (stabilized maintenance of ANSI/VITA 58.0-2009 (R2014))

Inquiries may be directed to Jing Kwok; jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 58.1-2013 (R201x), Line Replaceable Integrated Electronics Chassis Standard, Liquid Cooled Chassis (reaffirmation of ANSI/VITA 58.1-2013)

Inquiries may be directed to Jing Kwok; jing.kwok@vita.com

Withdrawal of an ANS by ANSI-Accredited Standards Developer

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

API (American Petroleum Institute)

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

ANSI/API Std 614 Pt 1, 5th Ed/ISO 10438-1, 1st Edition-2007, Petroleum, petrochemical and natural gas industries - Lubrication, shaft-sealing and control-oil systems and auxiliaries - Part 1: General Requirements
Questions may be directed to: Jose Godoy; godoyj@api.org

API (American Petroleum Institute)

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

ANSI/API Std 614 Pt 2, 5th Ed/ISO 10438-2, 1st Ed-2007, Petroleum, petrochemical and natural gas industries - Lubrication, shaft-sealing and control-oil systems and auxiliaries - Part 2: Special-purpose oil systems

Questions may be directed to: Jose Godoy; godoyj@api.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

API (American Petroleum Institute)

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

ANSI/API Std 614 Pt 3, 5th Ed/ISO 10438-3, 1st Ed-2007, Petroleum, petrochemical and natural gas industries - Lubrication, shaft-sealing and control-oil systems and auxiliaries - Part 3: General-purpose oil systems

Questions may be directed to: Jose Godoy; godoj@api.org

API (American Petroleum Institute)

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

ANSI/API Std 614 Pt 4, 5th Ed/ISO 10438-4, 1st Ed-2007, Petroleum, petrochemical and natural gas industries - Lubrication, shaft-sealing and control-oil systems and auxiliaries - Part 4: Self-acting gas seal support systems

Questions may be directed to: Jose Godoy; godoj@api.org

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 3-1995 (S2011), Board Level Live Insertion

Questions may be directed to: Jing Kwok; jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 4.1-1996 (S2011), IP I/O Mapping to VME64x

Questions may be directed to: Jing Kwok; jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 4-1995 (S2011), IP Modules

Questions may be directed to: Jing Kwok; jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 5.1-1999 (S2011), Raceway Interlink

Questions may be directed to: Jing Kwok; jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 6.1-1996 (S2011), SCSA Extensions

Questions may be directed to: Jing Kwok; jing.kwok@vita.com

Withdrawal of an ANS by ANSI-Accredited Standards Developer

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 6-1994 (S2011), Signal Computing System Architecture (SCSA)

Questions may be directed to: Jing Kwok; jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 12-1997 (S2012), M-Module

Questions may be directed to: Jing Kwok; jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 17-1998 (S2011), Front Panel Data Port Specifications

Questions may be directed to: Jing Kwok; jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 23-1998 (S2011), VME64 Extensions for Physics and Other Applications

Questions may be directed to: Jing Kwok; jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 26-1998 (S2011), Myrinet-on-VME Protocol Specification

Questions may be directed to: Jing Kwok; jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 30.1-2008 (R2014), 2mm Connector Practice on Conduction Cooled Euroboards

Questions may be directed to: Jing Kwok; jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 30-2000 (S2011), 2mm Equipment Practice for Eurocard Systems

Questions may be directed to: Jing Kwok; jing.kwok@vita.com

Withdrawal of an ANS by ANSI-Accredited Standards Developer

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 31.1-2003 (S2014), Gigabit Ethernet on VME64x Backplanes
Questions may be directed to: Jing Kwok; jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 38-2003 (S2013), System Management on VME
Questions may be directed to: Jing Kwok; jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 39-2003 (S2014), PCI-X for PMC and Processor PMC
Questions may be directed to: Jing Kwok; jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 41.0-2006 (S2018), VXS VMEbus Switched Serial Standard
Questions may be directed to: Jing Kwok; jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 41.1-2006 (S2018), VXS 4X InfiniBand (TM) Protocol Layer Standard
Questions may be directed to: Jing Kwok; jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 41.2-2006 (S2018), VXS 4X Serial RapidIO Protocol Layer Standard
Questions may be directed to: Jing Kwok; jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 42.1-2006 (S2018), XMC Switched Mezzanine Card: Parallel RapidIO 8/16 LP-LVDS Protocol Layer Standard
Questions may be directed to: Jing Kwok; jing.kwok@vita.com

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

ANSI/VITA 53.0-2010 (R2017), Standard for Commercial Technology Market Surveillance
Questions may be directed to: Jing Kwok; jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 58.0-2009 (R2014), Line Replaceable Integrated Electronics Chassis Standard
Questions may be directed to: Jing Kwok; jing.kwok@vita.com

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 58.1-2013, Line Replaceable Integrated Electronics Chassis Standard, Liquid Cooled Chassis
Questions may be directed to: Jing Kwok; jing.kwok@vita.com

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.

ACP (American Clean Power Association)

1501 M Street NW, Suite 900, Washington, DC 20005 | standards@cleanpower.org, www.cleanpower.org

New Standard

ANSI/ACP 5000-1-2022, The Wind Workforce Definitions 2020 (new standard) Final Action Date: 3/8/2022

New Standard

ANSI/ACP 5000-2-2022, Wind Tech Entry-Level Minimum Standard (new standard) Final Action Date: 3/8/2022

ATIS (Alliance for Telecommunications Industry Solutions)

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

Revision

ANSI/ATIS 0600315-2022, Voltage Levels for DC-Powered Equipment Used in the Telecommunications Environment (revision of ANSI/ATIS 0600315-2018) Final Action Date: 3/8/2022

B11 (B11 Standards, Inc.)

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

Revision

ANSI/B11.3-2022, Safety Requirements for Power Press Brakes (revision of ANSI B11.3-2012 (R2020)) Final Action Date: 3/8/2022

Revision

ANSI B11.6-2022, Safety Requirements for Manual Turning Machines (Lathes) with or without Automatic Control (revision of ANSI B11.6-2001 (R2020)) Final Action Date: 3/8/2022

CSA (CSA America Standards Inc.)

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

New Standard

ANSI/CSA T200-2022, Evaluation of software development and cybersecurity programs (new standard) Final Action Date: 3/10/2022

IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854 | J.Santulli@ieee.org, www.ieee.org

New Standard

ANSI N42.50-2022, Standard Performance Specifications for Instrumentation Systems Designed for Measuring Radon Progeny in Air (new standard) Final Action Date: 3/4/2022

IES (Illuminating Engineering Society)

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

New Standard

ANSI/IES/IUVA LM-92-2022, Approved Method: Optical and Electrical Measurement of Ultraviolet LEDs (new standard) Final Action Date: 3/10/2022

RESNET (Residential Energy Services Network, Inc.)

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

Addenda

ANSI/RESNET/ICC 301-2019 Addendum D-2022, CO2 Rating Index (addenda to ANSI/RESNET/ICC 301-2019)

Final Action Date: 3/4/2022

UL (Underwriters Laboratories)

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

Reaffirmation

ANSI/UL 10A-2009a (R2022), Standard for Tin-Clad Fire Doors (January 21, 2022) (reaffirmation of ANSI/UL 10A-2009a (R2018)) Final Action Date: 3/10/2022

Reaffirmation

ANSI/UL 608-2012 (R2022), Standard for Burglary Resistant Vault Doors and Modular Panels (reaffirmation of ANSI/UL 608-2012 (R2017)) Final Action Date: 3/7/2022

Reaffirmation

ANSI/UL 1412-2012 (R2022), Standard for Safety for Fusing Resistors and Temperature-Limited Resistors for Radio- and Television-Type Appliances (reaffirmation of ANSI/UL 1412-2012 (R2016)) Final Action Date: 2/7/2022

Revision

ANSI/UL 1682-2022, Standard for Safety for Plugs, Receptacles, and Cable Connectors of the Pin and Sleeve Type Configurations (revision of ANSI/UL 1682-2017) Final Action Date: 3/11/2022

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

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

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

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- Government
- SDO and Consortia Groups
- Academia
- General Interest

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

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

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

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

Call for Members (ANS Consensus Bodies)

AGMA (American Gear Manufacturers Association)

1001 N Fairfax Street, 5th Floor, Alexandria, VA 22314-1587 | tech@agma.org, www.agma.org

BSR/AGMA 9003-C-2017 (R202x), Flexible Couplings - Keyless Fits (reaffirmation of ANSI/AGMA 9003-C-2017)

AGMA (American Gear Manufacturers Association)

1001 N Fairfax Street, 5th Floor, Alexandria, VA 22314-1587 | tech@agma.org, www.agma.org

BSR/AGMA 9103-C-2017 (R202x), Flexible Couplings - Keyless Fits (Metric Edition) (reaffirmation of ANSI/AGMA 9103-C-2017)

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

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

BSR/AHRI Standard 530-202x (S-I), Rating of Sound and Vibration for Refrigerant Compressors (new standard)

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE BSR/ASAE EP559.2 MONYEAR-202x, Design Requirements and Engineering Properties for Mechanically-Laminated Wood (Mechlam) Assemblies (revision and redesignation of ANSI/ASAE EP559.1 W/Corr. 1 AUG2010 (R2014))

ASME (American Society of Mechanical Engineers)

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

BSR/ASME VVUQ 10.1-202x, An Illustration of the Concepts of Verification, Validation, and Uncertainty Quantification in Computational Solid Mechanics (revision and redesignation of ANSI/ASME V&V 10.1-2012 (R2022))

ATIS (Alliance for Telecommunications Industry Solutions)

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

BSR/ATIS 0300003-2017 (R202x), XML Schema Interface for Fault Management (Trouble Administration) (reaffirmation of ANSI/ATIS 0300003-2017)

ATIS (Alliance for Telecommunications Industry Solutions)

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

BSR/ATIS 0600004-2017 (R202x), Equipment Surface Temperature (reaffirmation of ANSI/ATIS 0600004-2017)

ATIS (Alliance for Telecommunications Industry Solutions)

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

BSR/ATIS 0600010.02-2012 (S202x), Equipment Handling, Transportation Vibration, and Rail Car Shock Requirements for Network Communications Equipment (stabilized maintenance of ANSI/ATIS 0600010.02-2012 (R2017))

Call for Members (ANS Consensus Bodies)

CPLSO

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

BSR/CPLSO 17-202x, Electrical Characteristics of ECDs and CEWs. (revision of ANSI/CPLSO-17-2017)

CPLSO

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

BSR/CPLSO 19-202x, Electrical Characteristics of ECDs and CEWs with more than 2 probes (new standard)

CTA (Consumer Technology Association)

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

BSR/CTA 2051-A-202x, Personal Sound Amplification Performance Criteria (revision and redesignation of ANSI/CTA 2051-2017)

CTA is seeking new members to join the consensus body. CTA and the R11 Health, Fitness & Wellness Committee are particularly interested in adding new members (called "users") who acquire health, fitness and wellness products. from those who create them, and in adding new members who neither produce nor use health, fitness or wellness products, and others (called members with a "general interest").

CTA (Consumer Technology Association)

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

BSR/CTA 2102-202x, Performance Criteria and Testing Protocols for Breathing Parameters (new standard)

CTA is seeking new members to join the consensus body. CTA and the R11 Health, Fitness & Wellness Committee are particularly interested in adding new members (called "users") who acquire health, fitness and wellness products. from those who create them, and in adding new members who neither produce nor use health, fitness or wellness products, and others (called members with a "general interest").

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 14496-12:2022 [202x], Information technology - Coding of audio-visual objects - Part 12: ISO base media file format (identical national adoption of ISO/IEC 14496-12:2022 and revision of INCITS/ISO/IEC 14496-12:2020 [2021])

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

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INCITS/ISO/IEC 15444-4:2021 [202x], Information technology - JPEG 2000 image coding system - Part 4: Conformance Testing (identical national adoption of ISO/IEC 15444-4:2021 and revision of INCITS/ISO/IEC 15444-4:2004 [R2018])

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

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

INCITS/ISO/IEC 15444-5:2021 [202x], Information technology - JPEG 2000 image coding system - Part 5: Reference software (identical national adoption of ISO/IEC 15444-5:2021 and revision of INCITS/ISO/IEC 15444-5:2015 [2019])

Call for Members (ANS Consensus Bodies)

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INCITS/ISO/IEC 15444-16:2021 [202x], Information technology - JPEG 2000 image coding system - Part 16: Encapsulation of JPEG 2000 images into ISO/IEC 23008-12 (identical national adoption of ISO/IEC 15444-16:2021 and revision of INCITS/ISO/IEC 15444-16:2019 [2021])

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

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

INCITS/ISO/IEC 15938-16:2021 [202x], Information technology - Multimedia content description interface - Part 16: Conformance and reference software for compact descriptors for video analysis (identical national adoption of ISO/IEC 15938-16:2021)

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

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

INCITS/ISO/IEC 19075-1:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 1: XQuery regular expressions (identical national adoption of ISO/IEC 19075-1:2021)

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

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

INCITS/ISO/IEC 19075-2:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 2: Time-related information (identical national adoption of ISO/IEC 19075-2:2021)

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

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

INCITS/ISO/IEC 19075-3:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 3: SQL embedded in programs using the Java™ programming language (identical national adoption of ISO/IEC 19075-3:2021)

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

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

INCITS/ISO/IEC 19075-4:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 4: Routines and types using the Java™ programming language (identical national adoption of ISO/IEC 19075-4:2021)

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

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

INCITS/ISO/IEC 19075-5:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 5: Row pattern recognition (identical national adoption of ISO/IEC 19075-5:2021)

Call for Members (ANS Consensus Bodies)

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

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

INCITS/ISO/IEC 19075-6:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 6: Support for JSON (identical national adoption of ISO/IEC 19075-6:2021)

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

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

INCITS/ISO/IEC 19075-7:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 7: Polymorphic table functions (identical national adoption of ISO/IEC 19075-7:2021)

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

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

INCITS/ISO/IEC 19075-8:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 8: Multidimensional arrays (identical national adoption of ISO/IEC 19075-8:2021)

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

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

INCITS/ISO/IEC 21838-1:2021 [202x], Information technology - Top-level ontologies (TLO) - Part 1: Requirements (identical national adoption of ISO/IEC 21838-1:2021)

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

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

INCITS/ISO/IEC 21838-2:2021 [202x], Information technology - Top-level ontologies (TLO) - Part 2: Basic Formal Ontology (BFO) (identical national adoption of ISO/IEC 21838-2:2021)

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

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

INCITS/ISO/IEC 23000-19:2020/AM1:2021 [202x], Information technology - Multimedia application format (MPEG-A) - Part 19: Common media application format (CMAF) for segmented media - Amendment 1: Additional CMAF HEVC media profiles (identical national adoption of ISO/IEC 23000-19:2020/AM1:2021)

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

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

INCITS/ISO/IEC 23000-21:2019/AM1:2021 [202x], Information technology - Multimedia application format (MPEG-A) - Part 21: Visual identity management application format - Amendment 1: Conformance and reference software (identical national adoption of ISO/IEC 23000-21:2019/AM1:2021)

Call for Members (ANS Consensus Bodies)

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

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

INCITS/ISO/IEC 23000-22:2019/AM1:2021 [202x], Information technology - Multimedia application format (MPEG-A) - Part 22: Multi-image application format (MIAF) - Amendment 1: Reference software and conformance for multi-image application format (identical national adoption of ISO/IEC 23000-22:2019/AM1:2021)

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

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

INCITS/ISO/IEC 23000-22:2019/AM2:2021 [202x], Information technology - Multimedia application format (MPEG-A) - Part 22: Multi-image application format (MIAF) - Amendment 2: HEVC Advanced HDR profile and other clarifications (identical national adoption of ISO/IEC 23000-22:2019/AM2:2021)

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

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

INCITS/ISO/IEC 24800-2:2021 [202x], Information technology - JPSearch - Part 2: Registration, identification and management of schema and ontology (identical national adoption of ISO/IEC 24800-2:2021)

MHI (Material Handling Industry)

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

BSR MH29.3-202X, Safety Requirements for Industrial Turntables (new standard)

MHI (Material Handling Industry)

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

BSR MH30.1-202X, Design, Testing, and Utilization of Dock Leveling Devices (revision of ANSI MH30.1-2015)

MHI (Material Handling Industry)

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

BSR MH30.2-202X, Design, Testing, and Utilization of Portable Dock Boards and Dock Plates (revision of ANSI/MH30.2-2015)

MHI (Material Handling Industry)

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

BSR MH30.3-202X, Design, Testing, and Utilization of Vehicle Restraining Devices (revision of ANSI/MH30.3-2015)

NASPO (North American Security Products Organization)

1300 I Street, NW, Suite 400E, Washington, DC 20005 | mikeo@naspo.info, www.naspo.info

BSR/NASPO SMS 02-202x, NASPO Security Management Standard (revision and redesignation of ANSI/NASPO SA-2015)

Call for Members (ANS Consensus Bodies)

NSF (NSF International)

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

BSR/NSF 173-202x (i92r2), Dietary Supplements (revision of ANSI/NSF 173-2021)

SCTE (Society of Cable Telecommunications Engineers)

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

BSR/SCTE EMS 43-202x, Implementation of Hot Standby in Inside Plant Platform Powering (new standard)

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

BSR/TAPPI T 212 om-2012 (R202x), One percent sodium hydroxide solubility of wood and pulp (reaffirmation of ANSI/TAPPI T 212 om-2012 (R2018))

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

BSR/TAPPI T 262 sp-2012 (R202x), Preparation of mechanical pulps for testing (reaffirmation of ANSI/TAPPI T 262 sp-2012 (R2018))

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

BSR/TAPPI T 281 sp-2018 (R202x), Open drum washer mat sampling technique (reaffirmation of ANSI/TAPPI T 281 sp-2018)

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

BSR/TAPPI T 419 om-2018 (R202x), Starch in paper (reaffirmation of ANSI/TAPPI T 419 om-2018)

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

BSR/TAPPI T 464 om-2012 (R202x), Water vapor transmission rate of paper and paperboard at high temperature and humidity (reaffirmation of ANSI/TAPPI T 464 om-2012 (R2018))

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

BSR/TAPPI T 530 om-2018 (R202x), Size test for paper by ink resistance (Hercules-type method) (reaffirmation of ANSI/TAPPI T 530 om-2018)

Call for Members (ANS Consensus Bodies)

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

BSR/TAPPI T 536 om-2018 (R202x), Resistance of paper to passage of air (high-pressure Gurley method) (reaffirmation of ANSI/TAPPI T 536 om-2018)

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

BSR/TAPPI T 547 om-2012 (R202x), Air permeance of paper and paperboard (Sheffield method) (reaffirmation of ANSI/TAPPI T 547 om-2012 (R2018))

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

BSR/TAPPI T 579 om-2018 (R202x), Diffuse brightness of paper, paperboard and pulp (d/0) (ultraviolet level D65) (reaffirmation of ANSI/TAPPI T 579 om-2018)

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

BSR/TAPPI T 1210 sp-2018 (R202x), Units of measurement and conversion factors (reaffirmation of ANSI/TAPPI T 1210 sp-2018)

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

BSR/TAPPI T 1216 sp-2018 (R202x), Indices for whiteness, yellowness, brightness, and luminous reflectance factor (reaffirmation of ANSI/TAPPI T 1216 sp-2018)

UL (Underwriters Laboratories)

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

BSR/UL 2684-202x, Standard for Safety for Video and Thermal Image Detectors for Fire Alarm Systems (new standard)

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 48.8-2017 (R202x), Mechanical Standard for VPX REDI Air Flow Through Cooling, 1.0 to 1.5 Pitches (reaffirmation of ANSI/VITA 48.8-2017)

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 51.3-2010 (S202x), Qualification and Environmental Stress Screening in Support of Reliability Predictions (stabilized maintenance of ANSI/VITA 51.3-2010 (R2016))

Accreditation Announcements (Standards Developers)

Public Review of Revised ASD Operating Procedures

IEEE - Institute of Electrical and Electronics Engineers

Comment Deadline: March 27, 2022

The IEEE - Institute of Electrical and Electronics Engineers, an ANSI Member and Accredited Standards Developer, has submitted revisions to its currently accredited IEEE-SA Standards Board Operations Manual and IEEE-SA Standards Board Bylaws for documenting consensus on IEEE-sponsored American National Standards, under which it was last reaccredited in 2021. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: David Ringle, Institute of Electrical and Electronics Engineers (IEEE) | 445 Hoes Lane, Piscataway, NJ 08854-4141 | (732) 562-3806, d.ringle@ieee.org

[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 IEEE by March 28, 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

ASA - Acoustical Society of America

Meeting Times: May 23-27, 2022

Acoustical Society of America (ASA Standards) will be holding meetings in conjunction with the ASA 182nd Meeting May 23-27, 2022

May 23, 2022 ASC S2 Mechanical Vibration and Shock (5:00pm-6:15pm MST) Denver, CO

May 23, 2022 ASACOS Steering Meeting (7:00pm-9:30pm MST) Denver, CO

May 24, 2022 ASACOS Meeting (7:30am-9:00am MST) Denver, CO

May 24, 2022 Standards Plenary Meeting (9:15am-10:45am MST) Denver, CO

May 24, 2022 ASC S1, Acoustics Meeting (11:00am-12:15pm MST) Denver, CO

May 24, 2022 ASC S3, Bioacoustics (2:00pm-3:15pm MST) Denver, CO

May 24, 2022 ASC S3/SC1, Animal Bioacoustics (3:30pm-4:45pm MST) Denver, CO

May 24, 2022 ASC S12, Noise (5:00pm-6:15pm MST) Denver, CO

Meetings will take place at Sheraton Denver Downtown Hotel Denver, Colorado

For more information, please visit our website at <https://asastandards.org/> or email us at standards@acousticalsociety.org

ANSI Accredited Standards Developer

ASSP (Safety) - American Society of Safety Professionals

Virtual Meeting: April 26-28, 2022

The American Society of Safety Professionals (ASSP) is the secretariat for the ASSP Z359 Committee for Fall Arrest / Fall Protection. The next Z359 meeting will take place virtually on April 26-28, 2022. Those interested in participating can contact ASSP for additional information at LBauerschmidt@assp.org.

American National Standards (ANS) Process

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

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

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

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

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

ACP American Clean Power Association 1501 M Street NW, Suite 900 Washington, DC 20005 www.cleanpower.org Michele Mihelic standards@cleanpower.org	ASME American Society of Mechanical Engineers Two Park Avenue, M/S 6-2B New York, NY 10016 www.asme.org Terrell Henry ansibox@asme.org	CPLSO CPLSO The Marchioness Building, Commercial Road Bristol BS16TG, UK BS1 6 Hugh Pratt pratt.hugh@cplso.org
AGMA American Gear Manufacturers Association 1001 N Fairfax Street, 5th Floor Alexandria, VA 22314 www.agma.org Amir Aboutaleb tech@agma.org	ASSP (Safety) American Society of Safety Professionals 520 N. Northwest Highway Park Ridge, IL 60068 www.assp.org Lauren Bauerschmidt LBauerschmidt@assp.org	CSA CSA America Standards Inc. 8501 East Pleasant Valley Road Cleveland, OH 44131 www.csagroup.org Debbie Chesnik ansi.contact@csagroup.org
AHRI Air-Conditioning, Heating, and Refrigeration Institute 2311 Wilson Boulevard, Suite 400 Arlington, VA 22201 www.ahrinet.org Karl Best kbest@ahrinet.org	ATIS Alliance for Telecommunications Industry Solutions 1200 G Street NW, Suite 500 Washington, DC 20005 www.atis.org Drew Greco dgreco@atis.org	CTA Consumer Technology Association 1919 S. Eads Street Arlington, VA 22202 www.cta.tech Catrina Akers cakers@cta.tech
ASABE American Society of Agricultural and Biological Engineers 2950 Niles Road Saint Joseph, MI 49085 https://www.asabe.org/ Jean Walsh walsh@asabe.org	AWS American Welding Society 8669 NW 36th Street, Suite 130 Miami, FL 33166 www.aws.org Jennifer Rosario jrosario@aws.org	ICC International Code Council 4051 Flossmoor Road Country Club Hills, IL 60478 www.iccsafe.org Karl Aittaniemi kaittaniemi@iccsafe.org
ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 180 Technology Parkway Peachtree Corners, GA 30092 www.ashrae.org Mark Weber mweber@ashrae.org Tanisha Meyers-Lisle tmlisle@ashrae.org	AWWA American Water Works Association 6666 W. Quincy Avenue Denver, CO 80235 www.awwa.org Paul Olson polson@awwa.org	IEEE Institute of Electrical and Electronics Engineers 445 Hoes Lane Piscataway, NJ 08854 www.ieee.org Lisa Weisser l.weisser@ieee.org
	B11 B11 Standards, Inc. P.O. Box 690905 Houston, TX 77269 https://www.b11standards.org/ Chris Felinski cfelinski@b11standards.org	IEEE (ASC C63) Institute of Electrical and Electronics Engineers 445 Hoes Lane Piscataway, NJ 08854 www.ieee.org

Jennifer Santulli
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Michael O'Neil
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National Electrical Manufacturers Association
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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

Acoustics (TC 43)

ISO/DIS 226, Acoustics - Normal equal-loudness-level contours - 5/28/2022, \$77.00

Agricultural food products (TC 34)

ISO/DIS 5671, Spices and condiments - Dried chive (*Allium schoenoprasum L.*), cut and ground - Specification - 5/29/2022, \$33.00

ISO/DIS 23942, Determination of hydroxytyrosol and tyrosol content in extra virgin olive oils - Reverse phase high performance liquid chromatography (RP-HPLC) method - 1/13/2022, \$62.00

ISO/FDIS 24052, Spices and condiments - Dried sumac - Specification - 4/2/2021, \$53.00

Aircraft and space vehicles (TC 20)

ISO/DIS 14625, Space systems - Ground support equipment for use at launch, landing or retrieval sites - General requirements - 1/13/2022, \$93.00

ISO/FDIS 21442, Space systems - General requirements for control engineering - 5/6/2021, \$102.00

ISO/DIS 14624-3, Space systems - Safety and compatibility of materials - Part 3: Determination of offgassed products from materials and assembled articles - 6/2/2022, \$62.00

ISO/DIS 14624-5, Space systems - Safety and compatibility of materials - Part 5: Determination of reactivity of system/component materials with aerospace propellants - 6/2/2022, \$53.00

Building construction (TC 59)

ISO/FDIS 12006-3, Building construction - Organization of information about construction works - Part 3: Framework for object-oriented information - 6/10/2021, \$112.00

Ceramic tile (TC 189)

ISO/FDIS 10545-20, Ceramic tiles - Part 20: Determination of deflection of ceramic tiles for calculating their radius of curvature - 5/14/2021, \$40.00

Dentistry (TC 106)

ISO/FDIS 7494-2, Dentistry - Stationary dental units and dental patient chairs - Part 2: Air, water, suction and wastewater systems - 12/13/2020, \$98.00

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 - 1/13/2022, \$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 - 1/9/2022, \$62.00

Fire safety (TC 92)

ISO/FDIS 3182, Light measuring system for smoke emission testing - 5/9/2021, \$40.00

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 - 1/10/2022, \$102.00

Gas cylinders (TC 58)

ISO/DIS 11623, Gas cylinders - Composite cylinders and tubes - Periodic inspection and testing - 1/8/2022, \$102.00

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 - 1/13/2022, \$125.00

Industrial fans (TC 117)

ISO/DIS 12759-1, Fans - Efficiency classification for fans - Part 1: General requirements - 5/28/2022, \$82.00

Industrial trucks (TC 110)

ISO/DIS 3691-1, Industrial trucks - Safety requirements and verification - Part 1: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks - 5/29/2022, \$125.00

Optics and optical instruments (TC 172)

ISO/DIS 11382, Optics and photonics - Optical materials and components - Characterization of optical materials used in the infrared spectral range from 0,78 µm to 25 µm - 1/7/2022, \$58.00

Packaging (TC 122)

ISO/FDIS 24259, Steel strapping for packaging - 1/14/2021, \$71.00

Paints and varnishes (TC 35)

ISO/DIS 4618, Paints and varnishes - Vocabulary - 1/13/2022, \$112.00

ISO/DIS 7142, Binders for paints and varnishes - Epoxy resins - General methods of test - 1/13/2022, \$46.00

ISO/FDIS 19403-1, Paints and varnishes - Wettability - Part 1: Vocabulary and general principles - 5/28/2021, \$58.00

Paper, board and pulps (TC 6)

ISO/DIS 23772, Pulps - Kraft liquor - Residual alkali (Hydroxide ion content) - 5/28/2022, \$46.00

ISO/DIS 23774, Pulps - Kraft liquor - Total, active and effective alkali (Potentiometric titration) - 5/28/2022, \$53.00

ISO/DIS 23777, Pulps - Kraft liquor - Hydrosulphide ion concentration - 5/28/2022, \$53.00

Plain bearings (TC 123)

ISO/FDIS 7905-4.2, Plain bearings - Bearing fatigue - Part 4: Tests on half-bearings of a metallic multilayer bearing material - 8/16/2021, \$58.00

Plastics (TC 61)

ISO/DIS 171, Plastics - Determination of bulk factor of moulding materials - 5/27/2022, \$29.00

ISO/DIS 1675, Plastics - Liquid resins - Determination of density by the pycnometer method - 5/27/2022, \$33.00

ISO/DIS 4768, Measurement method of anti-biofilm activity on plastic and other non-porous surfaces - 5/28/2022, \$53.00

ISO/DIS 6401, Plastics - Poly(vinyl chloride) - Determination of residual vinyl chloride monomer - Gas-chromatographic method - 5/27/2022, \$46.00

ISO/FDIS 14899, Plastics - Polyols for use in the production of polyurethanes - Determination of basicity -, \$40.00

ISO/DIS 15024, Fibre-reinforced plastic composites - Determination of mode I interlaminar fracture toughness, GIC, for unidirectionally reinforced materials - 5/26/2022, \$93.00

ISO/FDIS 22007-2, Plastics - Determination of thermal conductivity and thermal diffusivity - Part 2: Transient plane heat source (hot disc) method - 2/14/2021, \$77.00

Railway applications (TC 269)

ISO/FDIS 4975, Railway applications - Braking system - Quality of compressed air for pneumatic apparatus and systems - 5/15/2021, \$62.00

Road vehicles (TC 22)

ISO/DIS 21994, Passenger cars - Stopping distance at straight-line braking with ABS - Open-loop test method - 1/8/2022, \$88.00

ISO/DIS 22135, Road vehicles - Heavy commercial vehicles and buses - Calculation method for steady state rollover - 1/9/2022, \$53.00

ISO/DIS 23684, Road vehicles - Technical Personnel dealing with Natural Gas Vehicles (NGVs) - Training and qualification - 1/10/2022, \$88.00

ISO/DIS 5474-1, Electrically propelled road vehicles - Functional requirements and safety requirements for power transfer - Part 1: General requirements for conductive power transfer - 5/28/2022, \$82.00

ISO/DIS 5474-2, Electrically propelled road vehicles - Functional requirements and safety requirements for power transfer - Part 2: AC power transfer - 5/28/2022, \$88.00

ISO/DIS 5474-3, Electrically propelled road vehicles - Functional requirements and safety requirements for power transfer - Part 3: DC power transfer - 5/28/2022, \$93.00

ISO/FDIS 15037-3, Road vehicles - Vehicle dynamics test methods - Part 3: General conditions for passenger cars ride comfort tests - 3/18/2021, \$77.00

ISO/DIS 16750-2, Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 2: Electrical loads - 5/29/2022, \$107.00

ISO/DIS 15500-13, Road vehicles - Compressed natural gas (CNG) fuel system components - Part 13: Pressure relief device (PRD) - 1/7/2022, \$62.00

ISO/DIS 20766-15, Road vehicles - Liquefied petroleum gas (LPG) fuel system components - Part 15: Excess flow valve - 1/13/2022, \$33.00

Rubber and rubber products (TC 45)

ISO/FDIS 1817, Rubber, vulcanized or thermoplastic - Determination of the effect of liquids - 4/23/2021, \$88.00

ISO/DIS 14932, Rubber compounding ingredients - Organic vulcanizing agents - Determination of organic peroxide content - 5/28/2022, \$98.00

ISO/FDIS 5794-1, Rubber compounding ingredients - Silica, precipitated, hydrated - Part 1: Non-rubber tests - 5/10/2021, \$98.00

Security (TC 292)

ISO/DIS 22393, Security and resilience - Community resilience - Guidelines for planning recovery and renewal - 5/26/2022, \$107.00

Steel (TC 17)

ISO 404:2013/DAmd 1, - Amendment 1: Steel and steel products - General technical delivery requirements - Amendment 1 - 5/29/2022, \$29.00

Textiles (TC 38)

ISO/FDIS 24461, Textiles - Anti-mosquito performance test method using the attractive blood-feeding apparatus - 10/10/2020, \$67.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO/DIS 5674, Tractors and machinery for agriculture and forestry - Guards for power take-off (PTO) drive-shafts - Strength and wear tests and acceptance criteria - 5/27/2022, \$88.00

Traditional Chinese medicine (TC 249)

ISO/DIS 4564, Traditional Chinese Medicine - Scutellaria baicalensis root - 1/7/2022, \$58.00

Transport information and control systems (TC 204)

ISO/DIS 21219-17, Intelligent transport systems - Traffic and travel information via transport protocol experts group, generation 2 (TPEG2) - Part 17: Speed information (TPEG2-SPI) - 5/26/2022, \$102.00

ISO/IEC JTC 1, Information Technology

ISO/IEC FDIS 5218, Information technology - Codes for the representation of human sexes -, \$62.00

ISO/IEC DIS 22603-2, Information technology - Digital representation of product information - Part 2: Requirements for electronic devices with integral display - 1/10/2022, \$33.00

ISO/IEC DIS 27035-1, Information technology - Information security incident management - Part 1: Principles and process - 1/13/2022, \$102.00

IEC Standards

72/1296/CD, IEC 60730-2-24 ED1: Automatic electrical controls - Part 2-24: Particular requirements for displacement sensing controls, 06/03/2022

Capacitors and resistors for electronic equipment (TC 40)

40/2922/CDV, IEC 60384-20 ED4: Fixed capacitors for use in electronic equipment - Part 20: Sectional specification - Fixed metallized polyphenylene sulfide film dielectric surface mount d.c. capacitors, 06/03/2022

40/2923/CDV, IEC 60384-23 ED3: Fixed capacitors for use in electronic equipment - Part 23: Sectional specification - Fixed metallized polyethylene naphthalate film dielectric surface mount DC capacitors, 06/03/2022

Electric traction equipment (TC 9)

9/2813/CD, IEC 62590-1 ED1: Railway applications - Fixed installations - Electronic Power Converters - Part 1: General requirements, 06/03/2022

Electrical accessories (TC 23)

23E/1243/CDV, IEC 61540 ED2: Electrical accessories - Portable residual current devices without integral overcurrent protection for household and similar use (PRCDs), 06/03/2022

Electrical installations of buildings (TC 64)

64/2553/CD, IEC 60364-1 ED6: Low-voltage electrical installations - Part 1: Fundamental principles, assessment of general characteristics, definitions, 06/03/2022

64/2551/CD, IEC 60364-7-702 ED4: Low-voltage electrical installations - Part 7-702: Requirements for special installations or locations - Swimming pools and fountains, 06/03/2022

64/2552/CD, IEC 60364-7-751 ED1: Low-voltage electrical installations - Part 7-751: Requirements for special installations or locations - Low voltage generating sets, 06/03/2022

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

18/1765/CD, IEC TR 63436 ED1: Insulation tests and insulation resistance threshold, 06/03/2022

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

111/654/DTS, IEC TS 62474-1 ED1: Material declaration for products of and for the electrotechnical industry: Guidance for the implementation of IEC 62474., 06/03/2022

Fluids for electrotechnical applications (TC 10)

10/1163/FDIS, IEC 60475 ED3: Method of sampling insulating liquids, 04/22/2022

10/1164/FDIS, IEC 60599 ED4: Mineral oil-filled electrical equipment in service - Guidance on the interpretation of dissolved and free gases analysis, 04/22/2022

Fuel Cell Technologies (TC 105)

105/901/NP, PNW 105-901 ED1: Fuel cell technologies - Performance Test of Fuel Cell Based Tri-generation System - Combined Cooling, Heat and Power Generation (CCHP), 06/03/2022

Fuses (TC 32)

32B/715/CDV, IEC 60269-1/AMD3 ED4: Amendment 3 - Low-voltage fuses - Part 1: General requirements, 06/03/2022

32B/714/CDV, IEC 60269-2/AMD2 ED5: Amendment 2 - Low-voltage fuses - Part 2: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application) - Examples of standardized systems of fuses A to K, 06/03/2022

Industrial-process measurement and control (TC 65)

65E/872/CDV, IEC 62453-1 ED3: Field device tool (FDT) interface specification - Part 1: Overview and guidance, 06/03/2022

Lamps and related equipment (TC 34)

34B/2136/FDIS, IEC 60061-1/AMD63 ED3: Amendment 63 - Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps, 04/22/2022

34B/2137/FDIS, IEC 60061-2/AMD58 ED3: Amendment 58 - Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 2: Lampholders, 04/22/2022

Maritime navigation and radiocommunication equipment and systems (TC 80)

80/1030/FDIS, IEC 63173-2 ED1: Maritime navigation and radiocommunication equipment and systems - Data interface - Part 2: Secure communication between ship and shore (SECOM), 04/22/2022

80/1031/FDIS, IEC 63269 ED1: Maritime navigation and radiocommunication equipment and systems - Maritime survivor locating devices (man overboard devices) - Minimum requirements, methods of testing and required test results, 04/22/2022

Power system control and associated communications (TC 57)

57/2482/FDIS, IEC 61970-401 ED1: Energy management system application program interface (EMS-API) - Part 401: Profile framework, 04/22/2022

Printed Electronics (TC 119)

119/386/DTR, IEC TR 62899-302-5: Equipment - Inkjet - the significant characteristics of Inkjet Printing for Printed Electronics, 05/06/2022

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

116/579(F)/FDIS, IEC 63370 ED1: Lithium-ion batteries and charging systems - Safety, 04/08/2022

Semiconductor devices (TC 47)

47A/1136/CD, IEC 61967-8 ED2: Integrated circuits - Measurement of electromagnetic emissions - Part 8: Measurement of radiated emissions - IC stripline method, 05/06/2022

47/2758/CD, IEC 63150-3 ED1: Semiconductor devices - Measurement and evaluation methods of kinetic energy harvesting devices under practical vibration environment - Part 3: Human foot impact motion, 05/06/2022

47/2753(F)/FDIS, IEC 63284 ED1: Semiconductor devices - Reliability test method by inductive load switching for gallium nitride transistors, 03/25/2022

Steam turbines (TC 5)

5/248/FDIS, IEC 60953-0 ED1: Rules for steam turbine thermal acceptance tests - Part 0: Wide range of accuracy for various types and sizes of turbines, 04/22/2022

Surface mounting technology (TC 91)

91/1781/DPAS, IEC PAS 61191-10 ED1: Printed board assemblies - Part 10: Application and utilization of protective coatings for electronic assemblies, 05/06/2022

Surge arresters (TC 37)

37A/369/CD, IEC 61643-21 ED2: Low voltage surge protective devices - Part 21: Surge protective devices connected to telecommunications and signalling networks - Performance requirements and testing methods, 07/01/2022

Other

CIS/H/451/CD, IEC 61000-6-3/AMD1/FRAG2 ED3: Amendment 1/Fragment 2: Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential environments, 06/03/2022

JTC1-SC25/3083/CD, 15045-3-1: Information technology - Home Electronic System (HES) gateway - Part 3-1: Introduction to privacy, security, and safety, 05/06/2022

JTC1-SC25/3084/CD, 15045-3-2 Information technology - Home Electronic System - HES Gateway Privacy Framework, 05/06/2022

SyCSM/64/NP, PNW TS SYCSM-64 ED1: Systems Reference Deliverable (SRD) Template for Smart Manufacturing Use Cases, 06/03/2022

SyCSmartEnergy/201/NP, PNW TS SYCSMARTENERGY-201 ED1: Architecture and use-cases for EVs to provide grid support functions, 06/03/2022

e-transporters (TC 125)

125/56/NP, PNW 125-56 ED1: Autonomous drive cargo e-transporters - General requirements and test methods, 06/03/2022

Wearable electronic devices and technologies (TC 124)

124/175(F)/FDIS, IEC 63203-201-1 ED1: Wearable electronic devices and technologies - Part 201-1: Electronic textile - Measurement methods for basic properties of conductive yarns, 04/01/2022

124/176(F)/FDIS, IEC 63203-201-2 ED1: Wearable electronic devices and technologies - Part 201-2: Electronic textile - Measurement methods for basic properties of conductive fabrics and insulation materials, 04/01/2022

Wind turbine generator systems (TC 88)

88/873/NP, PNW TS 88-873 ED1: Wind energy generation systems - Part 21-5: Configuration, functional specification, and validation of hardware-in-the-loop test bench for wind power plants (proposed IEC TS 61400-21-5), 06/03/2022



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

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

[ISO 17593:2022](#), Clinical laboratory testing and in vitro medical devices - Requirements for in vitro monitoring systems for self-testing of oral anticoagulant therapy, \$225.00

Corrosion of metals and alloys (TC 156)

[ISO 23721:2022](#), Corrosion of metals and alloys - Rating method by appearance of rust and stains of atmospheric corrosion for stainless steels, \$111.00

Dentistry (TC 106)

[ISO 20126:2022](#), Dentistry - Manual toothbrushes - General requirements and test methods, \$73.00

Machine tools (TC 39)

[ISO 26303:2022](#), Machine tools - Short-term capability evaluation of machining processes on metal-cutting machine tools, \$200.00

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

[ISO 10423:2022](#), Petroleum and natural gas industries - Drilling and production equipment - Wellhead and tree equipment, \$48.00

Metallic and other inorganic coatings (TC 107)

[ISO 2080:2022](#), Metallic and other inorganic coatings - Surface treatment, metallic and other inorganic coatings - Vocabulary, \$48.00

Paper, board and pulps (TC 6)

[ISO 638-2:2022](#), Paper, board, pulps and cellulosic nanomaterials - Determination of dry matter content by oven-drying method - Part 2: Suspensions of cellulosic nanomaterials, \$73.00

Plastics (TC 61)

[ISO 3146:2022](#), Plastics - Determination of melting behaviour (melting temperature or melting range) of semi-crystalline polymers by capillary tube and polarizing-microscope methods, \$73.00

Pulleys and belts (including veebelts) (TC 41)

[ISO 13050:2022](#), Synchronous belt drives - Metric pitch, curvilinear profile systems G, H, R and S, belts and pulleys, \$225.00

Road vehicles (TC 22)

[ISO 14229-3:2022](#), Road vehicles - Unified diagnostic services (UDS) - Part 3: Unified diagnostic services on CAN implementation (UDSonCAN), \$149.00

Steel (TC 17)

[ISO 23717:2022](#), Steel wire and wire products - Hose reinforcement wire, \$73.00

Thermal insulation (TC 163)

[ISO 23766:2022](#), Thermal insulating products for industrial installations - Determination of the coefficient of linear thermal expansion at sub-ambient temperatures, \$73.00

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

[ISO 3749:2022](#), Glass syringes - Determination of extractable tungsten, \$73.00

[ISO 8536-15:2022](#), Infusion equipment for medical use - Part 15: Light-protective infusion sets for single use, \$73.00

ISO Technical Specifications

Geographic information/Geomatics (TC 211)

[ISO/TS 19130-3:2022](#), Geographic information - Imagery sensor models for geopositioning - Part 3: Implementation schema, \$200.00

Glass in building (TC 160)

[ISO/TS 21486:2022](#), Glass in building - Retesting requirements for laminated solar photovoltaic glass for use in buildings, \$73.00

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

[ISO/TS 12835:2022](#), Qualification of casing connections for thermal wells, \$250.00

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 3445:2022](#), Information technology - Cloud computing - Audit of cloud services, \$200.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 21823-4:2022](#), Internet of things (IoT) - Interoperability for IoT systems - Part 4: Syntactic interoperability, \$200.00

[ISO/IEC 14165-432:2022](#), Information technology - Fibre Channel - Part 432: Title missing, \$250.00

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

[IEC 61196-11 Ed. 2.0 en:2022](#), Coaxial communication cables - Part 11: Sectional specification for semi-rigid cables with polyethylene (PE) dielectric, \$89.00

[IEC 61196-9-2 Ed. 1.0 en:2022](#), Coaxial communication cables - Part 9-2: Detail specification for 50-0,4 type RF flexible cables, \$89.00

[IEC 61196-11-1 Ed. 2.0 en:2022](#), Coaxial communication cables - Part 11-1: Blank detail specification for semi-rigid cables with polyethylene (PE) dielectric, \$51.00

Electroacoustics (TC 29)

[IEC 60118-16 Ed. 1.0 b:2022](#), Electroacoustics - Hearing aids - Part 16: Definition and verification of hearing aid features, \$221.00

Power electronics (TC 22)

[IEC 62751-1 Amd.2 Ed. 1.0 b:2022](#), Amendment 2 - Power losses in voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) systems - Part 1: General requirements, \$25.00

[IEC 62751-1 Ed. 1.2 b:2022](#), Power losses in voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) systems - Part 1: General requirements, \$380.00

IEC Technical Specifications**Solar photovoltaic energy systems (TC 82)**

[IEC/TS 62257-7-2 Ed. 1.0 en:2022](#), Recommendations for renewable energy and hybrid systems for rural electrification - Part 7-2: Generator set - Off-grid wind turbines, \$354.00

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 alphabetically.

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: usatbt@nist.gov or notifyus@nist.gov.



**BSR/ASHRAE/ASHE Addendum f
to ANSI/ASHRAE/ASHE Standard 170-2021**

Public Review Draft

**Proposed Addendum f to
Standard 170-2021, Ventilation of
Health Care Facilities**

**First Public Review (March 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.

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ASHRAE, 180 Technology Parkway NW, Peachtree Corners, GA 30092

BSR/ASHRAE/ASHE Addendum f to ANSI/ASHRAE/ASHE Standard 170-2021, *Ventilation of Health Care**Facilities*

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

Healthcare facilities often have a mixture of spaces within the scope of Standard 170 and Standard 62.1. Although Standard 170 gives the option to use Standard 62.1 Ventilation Rate Procedure for outdoor air calculation, there is no clear direction on how to calculate the total outdoor air at the system levels for systems serving both 170 and 62.1 spaces. This proposed addendum clarifies how to calculate this. A working group of members from both SSPC170 and SSPC62.1 investigated the use of 4 possible calculations methods and selected the most appropriate method which was tested on 14 actual healthcare projects.

[Note to Reviewers: This addendum makes proposed changes to the current 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 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 f to 170-2021

Revise Section 7.1.a.6 as shown below.

6. For air-handling systems serving multiple spaces, system minimum outdoor air quantity shall be calculated using one of the following methods:
 - i. For systems serving only spaces within the scope of this standard, system minimum outdoor air quantity for an air-handling system shall be calculated as the sum of the individual space requirements as defined by this standard.
 - ii. ~~System minimum outdoor air quantity shall be calculated by the Ventilation Rate Procedure (multiple zone formula) of ASHRAE Standard 62.1⁺. The minimum outdoor air change rate listed in this standard shall be interpreted as the zone outdoor airflow (V_{oz}) for purposes of this calculation.~~
 - ii. For systems serving spaces both in this standard and in ASHRAE Standard 62.1, system minimum outdoor air quantity for an air-handling system shall be calculated as the sum of :
 - The outdoor air quantity required for spaces in the scope of this standard as calculated in 7.1.a.6.i; plus
 - The design outdoor air intake flow (V_{ot}) required for spaces in the scope of ASHRAE Standard 62.1 as calculated by ASHRAE Standard 62.1

Informative Note : Diversity (D), Zone Air Distribution Effectiveness (E_z) and System Ventilation Efficiency (E_v) from ASHRAE Standard 62.1 shall not be applied to the outdoor air quantity required by this standard nor to the resulting total sum at the system level.

BSR/ASHRAE/ASHE Addendum f to ANSI/ASHRAE/ASHE Standard 170-2021, *Ventilation of Health Care Facilities*
First Public Review Draft

Revise Section 8.1.a.6 as shown below.

6. For air-handling systems serving multiple spaces, system minimum outdoor air quantity shall be calculated using one of the following methods:
 - i. For systems serving only spaces within the scope of this standard, system minimum outdoor air quantity for an air-handling system shall be calculated as the sum of the individual space requirements as defined by this standard.
 - ii. ~~System minimum outdoor air quantity shall be calculated by the Ventilation Rate Procedure (multiple zone formula) of ASHRAE Standard 62.1¹. The minimum outdoor air change rate listed in this standard shall be interpreted as the zone outdoor airflow (Voz) for purposes of this calculation.~~
 - ii. For systems serving spaces both in this standard and in ASHRAE Standard 62.1, system minimum outdoor air quantity for an air-handling system shall be calculated as the sum of :
 - The outdoor air quantity required for spaces in the scope of this standard as calculated in 8.1.a.6.i; plus
 - The design outdoor air intake flow (Vot) required for spaces in the scope of ASHRAE Standard 62.1 as calculated by ASHRAE Standard 62.1

Informative Note: Diversity (D), Zone Air Distribution Effectiveness (Ez) and System Ventilation Efficiency (Ev) from ASHRAE Standard 62.1 shall not be applied to the outdoor air quantity required by this standard nor to the resulting total sum at the system level.

Revise Section 8.2.a.6 and 8.2.a.7 as shown below.

6. For air-handling systems utilizing the cfm/person and cfm/ft² outdoor air ventilation rates serving spaces listed in Table 8-2 or spaces listed in Table 8-2 and ASHRAE Standard 62.1, system minimum outdoor air quantity shall be calculated by the Ventilation Rate Procedure of ASHRAE Standard 62.1¹. The cfm/person rate shall be considered the Rp value, and the cfm/ft² rate shall be considered the Ra value in the calculation.
 - i. The minimum space population is provided as a required minimum in the “Rp” column of Table 8-2. The design zone population (Pz) shall equal the largest (peak) number of people expected to occupy the room/space during typical use. When the design zone population is less than the space population, use the minimum space population.
 - ii. A zone minimum primary airflow (for multiple-zone recirculating systems) shall be provided as follows: For each zone, the minimum primary airflow (V_{pz-min}) shall be determined by the equation $V_{pz-min} = V_{oz} \times 1.5$.
7. For air-handling systems serving multiple spaces and utilizing the “Minimum Outdoor ach” column, system minimum outdoor air quantity shall be calculated using one of the following methods:
 - i. For systems serving only spaces within the scope of this standard, system minimum outdoor air quantity for an air-handling system shall be calculated as the sum of the individual space requirements as defined by this standard.
 - ii. ~~System minimum outdoor air quantity shall be calculated by the Ventilation Rate Procedure (multiple zone formula) of ASHRAE Standard 62.1¹. The minimum outdoor air change rate listed in this standard shall be interpreted as the zone outdoor airflow (Voz) for purposes of this calculation.~~
 - ii. For systems serving spaces both in this standard and in ASHRAE Standard 62.1, system minimum outdoor air quantity for an air-handling system shall be calculated as the sum of :

BSR/ASHRAE/ASHE Addendum f to ANSI/ASHRAE/ASHE Standard 170-2021, *Ventilation of Health Care Facilities*

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- The outdoor air quantity required for spaces in the scope of this standard as calculated in 8.2.a.7.i; plus
- The design outdoor air intake flow (Vot) required for spaces in the scope of ASHRAE Standard 62.1 as calculated by ASHRAE Standard 62.1

Informative Note for 8.2.a.7: Diversity (D), Zone Air Distribution Effectiveness (Ez) and System Ventilation Efficiency (Ev) from ASHRAE Standard 62.1 shall not be applied to the outdoor air quantity required by this standard nor to the resulting total sum at the system level.

Revise Section 9.1.a.6 as shown below.

6. For air-handling systems serving multiple spaces, system minimum outdoor air quantity shall be calculated using one of the following methods:
 - i. For systems serving only spaces within the scope of this standard, system minimum outdoor air quantity for an air-handling system shall be calculated as the sum of the individual space requirements as defined by this standard.
 - ii. System minimum outdoor air quantity shall be calculated by the Ventilation Rate Procedure (multiple zone formula) of ASHRAE Standard 62.1¹. The minimum outdoor air change rate listed in this standard shall be interpreted as the zone outdoor airflow (Voz) for purposes of this calculation.
 - ii. For systems serving spaces both in this standard and in ASHRAE Standard 62.1, system minimum outdoor air quantity for an air-handling system shall be calculated as the sum of :
 - The outdoor air quantity required for spaces in the scope of this standard as calculated in 9.1.a.6.i; plus
 - The design outdoor air intake flow (Vot) required for spaces in the scope of ASHRAE Standard 62.1 as calculated by ASHRAE Standard 62.1

Informative Note: Diversity (D), Zone Air Distribution Effectiveness (Ez) and System Ventilation Efficiency (Ev) from ASHRAE Standard 62.1 shall not be applied to the outdoor air quantity required by this standard nor to the resulting total sum at the system level.

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

NSF/ANSI Standard
for Dietary Supplements –

Dietary Supplements

7 Test methods used by testing laboratories for detection of contaminants – Dietary ingredients and finished products

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•
•

7.3 Test methods for microbiological contaminants

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7.3.9 *Pseudomonas aeruginosa*

~~For semisolid or liquid products containing less than 25% alcohol v/v, testing shall be performed based on the USP <62> Microbiological Examination of Nonsterile Products: Tests for Specified Microorganisms.~~

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Draft PDS-01

BSR/RESNET/ICC 301-2022 Addendum A-202x

Renewable Energy Certificates and Infiltration Volume

Revise the definition as follows:

Infiltration Volume¹ – The sum of the ~~Conditioned Space Volume~~following spaces of the subject Dwelling Unit;²

- The Conditioned Space Volume, excluding any Attics, basements, crawlspaces, and adjacent mechanical closets.
- ~~plus~~⁺The Conditioned Space Volume and Unconditioned Space Volume of the following adjacent spaces if included² during the airtightness measurement of the enclosure: Attics, crawlspaces and the full depth of their floor assemblies above, basements and the full depth of their floor assemblies above, and adjacent mechanical closets and the full width of their wall assemblies between them and the subject Dwelling Unit.

Add definition as follows:

On-Site Power Production (OPP) – Electric power produced on the site of a Rated Home. OPP shall be the net electrical power production such that it equals the gross electrical power production minus any purchased fossil fuel energy used to produce the on-site power, converted to equivalent electric energy use at a 40-percent conversion efficiency in accordance with Equation 4.1-3 of this Standard.

Renewable Energy Certificate (REC): a market-based instrument that represents and conveys the environmental, social, and other non-power attributes of one megawatt-hour of renewable electricity generation.

Renewable Energy System – Means of producing thermal energy or producing electric power that rely on naturally occurring, on-site resources that are not depleted as a result of their use. Renewable Energy Systems shall include, but are not limited to, solar energy systems, wind energy systems and biomass energy systems.

¹ (Informative Note) Informative Annex A has a table that summarizes parts of a Dwelling Unit that are included in Infiltration Volume.

² (Informative Note) Sections 4.2.4, 4.2.5, 4.2.6, and 4.2.7 define whether these adjacent spaces are to be included in Infiltration Volume.

Modify row 26 of Table 4.5.2(1) as follows:

Table 4.5.2(1) Minimum Rated Features	
Building Element	Minimum Rated Feature
26. On-site Power Production	System type, total annual kWh generation, <u>Renewable Energy Certificates (RECs) status [retired, retained ownership, sold/transferred, none associated with system, unknown]</u> , and total site fuel used in the On-Site Power Production as derived from manufacturer's performance ratings.

Modify the Appendix B table as follows:

Building Element: On-Site Power Production		
Rated Feature	Task	On-Site Inspection Protocol
Annual electricity generation for On- Site Power Production (OPP) systems	Data collection for On-Site Power Production systems	<p><i>On-Site Power Production systems</i> – Collect documentation that shows the annual kWh/y generated. For combined heat and power systems, the documentation shall include the annual gas use in addition to kWh/y generated.</p> <p><i>Renewable Energy Systems</i> – Collect documentation or other information to determine whether Renewable Energy Certificates (RECs) are associated with the system, and document the RECs status as <u>retired, retained ownership, sold/transferred, none associated with system, unknown</u>.</p> <p><i>Photovoltaic Systems</i> – In situations where the Approved Software Rating Tool calculates electricity generation from photovoltaic systems, determine and record the following:</p> <ul style="list-style-type: none"> • the orientation of the photovoltaic array to the nearest cardinal/ordinal point, in the direction the array faces; • the tilt of the array. Use an angle finder instrument or geometric calculation; • the area of the array and the peak power using the information on the SRCC label or manufacturer's data sheet; and • the efficiency of the inverter using the manufacturer's data sheet.

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

1. ANSI approval of the 3rd edition of UL 60335-2-24.

PROPOSAL

7.1DV.6 DR Modification of Clause 7.1 of the Part 2 by adding the following:

Permanently connected equipment shall be marked with the individual electrical loads, the minimum circuit ampacity, and the maximum current rating of the supply circuit overcurrent protection. The minimum circuit ampacity is equal to 125% of the highest motor, heater, or compressor current rating plus the sum of all other current ratings of concurrent loads. The maximum overcurrent protection is equal to 225% of the highest motor or compressor current rating plus the sum of all other current ratings of concurrent loads.

10.103DV DR Addition of Clauses [10.103DV.1](#) to the Part 2:

10.103DV.1 For a cyclic ICE-MAKER, the marked current shall be based on the input current measured 5 min after the start of the third freezing cycle. With reference to the above, the harvest cycle of some types of ICE-MAKERS imposes a load that is greater than the load measured during the freezing cycle. The harvest cycle load need not be indicated on the nameplate of the ICE-MAKER if it:

- a) Does not exceed 125% of the nameplate rating;
- b) Does not occur more than twice an hour; and
- c) Is not more than 5 min in duration.

2. Replace the ISO 7010 W021 flammable refrigerant label with the United Nations GHS red diamond flame symbol in all HVAC/R standards.

PROPOSAL

7.6DV.1 D2 Modification of Clause 7.6 of the Part 2 as follows:

Replace “symbol ISO 7010 W021 (2019-07)” with “United Nations GHS red diamond flame symbol.”

(Current 7.6DV.2)

7.6DV.2 D2 Modification of Clause 7.6 of the Part 2 by adding the following:

For appliances using FLAMMABLE REFRIGERANTS, the flame symbol of the United Nations Global Harmonized System (GHS) shall be allowed. Replace the yellow triangle above with the red diamond flame symbol below (United Nations GHS). Include the Refrigerant class per ISO 817 text.



(Proposed 7.6DV.2)

7.6DV.2 D2 Modification of Clause 7.6 of the Part 2 as follows:

Replace “symbol “Caution: risk of fire”.” with “symbol of the United Nations GHS or the combination of the United Nations GHS and ISO 7010-W021 symbols as shown below.”



or



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

For your convenience in review, proposed additions to the previously proposed requirements dated 2021-11-19 are shown underlined and proposed deletions are shown ~~lined-out~~.

Topic 1: Slots in Adjustable Metal Outlet Boxes for Use only With Bar Hanger Assemblies**PROPOSAL**

10.3.3 An OUTLET BOX, provided with and intended only for installation using an adjustable bar hanger assembly may, in its sides, have slots in its sides that have a dimension greater than 6.8 mm (0.27 in) provided that the total area of all openings in any one side of the OUTLET BOX does not exceed 129 mm² (0.2 in²) and that the total area of all open holes in the box shall not exceed the areas specified in Table 7.

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