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CONTENTS

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Project Initiation Notification System (PINS)

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

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

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

AAMI (Association for the Advancement of Medical Instrumentation)

Amanda Benedict; abenedict@aami.org | 901 N. Glebe Road, Suite 300 | Arlington, VA 22203 www.aami.org

Addenda

BSR/AAMI/ISO 11737-1-202x/A1, Sterilization of health care products — Microbiological methods — Part 1: Determination of a population of microorganisms on products — Amendment 1 (addenda to BSR/AAMI/ISO 11737-1-202x/A1)

Stakeholders: Medical device manufacturers, testing laboratories, regulatory agencies, clinicians, general interest.

Project Need: The ISO standard was nationally adopted and subsequently amended, therefore the amendment needs to be nationally adopted.

Interest Categories: Producers, users, regulatory/government, general interest.

Scope: Amendment replaces text in Clause 4 and B.3.3.4 and adds a bibliographical entry.

APA (APA - The Engineered Wood Association)

Borjen Yeh; borjen.yeh@apawood.org | 7011 South 19th Street | Tacoma, WA 98466 www.apawood.org

Revision

BSR/APA 405-202x, Standard for Adhesives for Use in Structural Glued Laminated Timber (revision of ANSI 405 -2018)

Stakeholders: Glulam manufacturers, structural adhesive suppliers, distributors, designers, users, building code regulators, and government agencies

Project Need: Update the existing standard

Interest Categories: Manufacturer, Supplier, User, and General Interest

Scope: This standard provides minimum performance requirements for evaluating adhesives for use in structural glued laminated timber (glulam)

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

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

Revision

BSR/ASHRAE Standard 41.8-202x, Standard Methods for Liquid Flow Measurement (revision of ANSI/ASHRAE Standard 41.8-2016 (R2019))
Stakeholders: HVAC&R equipment producers and consumers, test labs, instrument manufacturers, and code and regulatory agencies.

Project Need: 1. To describe and reference a different uncertainty method. 2. To update the standard as appropriate. 3. To fully comply with ASHRAE's mandatory language requirements.

Interest Categories: General Interest, Producer and User.

Scope: This standard prescribes methods for liquid flow measurement.

ASQ (ASC Z1) (American Society for Quality)

Elizabeth Spaulding; espaulding@asq.org | 600 N Plankinton Avenue | Milwaukee, WI 53201 www.asq.org

National Adoption

BSR/ASQ/ISO 16355-1-202x, Application of statistical and related methods to new technology and product development process-Part 1: General principles and perspectives of quality function deployment (QFD) (identical national adoption of ISO 16355-1:2021 and revision of ANSI/ASQ/ISO 16355-1-2015)
Stakeholders: Users of this part of ISO 16355 will include all organization functions necessary to assure customer satisfaction, including business planning, marketing, sales, research and development (R&D), engineering, Information Technology (IT), manufacturing, procurement, quality, production, service, packaging and logistics, support, testing, regulatory, and other phases in hardware, software, service, and system organizations.

Project Need: To adopt as an standard.

Interest Categories: Company, Government agency, Individual, Organization

Scope: This part of ISO 16355 describes the quality function deployment (QFD) process, its' purpose, users, and tools. It does not provide requirements or guidelines for organizations to develop and systematically manage their policies, processes, and procedures in order to achieve specific objectives.

ASTM (ASTM International)

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

New Standard

BSR/ASTM D8428-202x, Standard Guide for Establishing Analyst Competence to Perform a Test Method (new standard)
Stakeholders: Coordinating Subcommittee on Quality Assurance and Statistics Industries

Project Need: This guide is intended for the establishment of competence for the entire performance of a test method (that is, sample preparation, instrument set up, preparation of standards and reagents, performance of the test method, calculations, etc.) or the establishment of competence may be limited to a specific aspect in the performance of a test method (for example, sample preparation).

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

Scope: This guide covers general guidance on assessing the competence of an analyst to perform a specific test method for a specific product or set of products (for example, light distillates). It also provides guidance on some of the possible approaches that may be taken to perform the assessment.

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK81691-202x, New Test Method for a Rotational Methodology with a Head/Neck System (new standard)

Stakeholders: Headgear and Helmets Industries

Project Need: Currently there is no existing standard that covers this type of testing for helmet safety.

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

Scope: Standardization of specifications, test methods and practices for sports equipment, surfaces, and facilities to reduce inherent risk of injuries and promote knowledge as it relates to these standards. The committee shall coordinate this work with other ASTM technical committees and other organizations in this area.

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

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

Revision

BSR/ASSE 1003-202x, Water Pressure Reducing Valves for Domestic Water Distribution Systems (revision of ANSI/ASSE 1003-2020)

Stakeholders: Manufacturers, users, inspectors, distributors, designers, and contractors.

Project Need: Opening for revision as part of the harmonization efforts with CSA B356

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

Scope: Devices covered by this standard are self-contained, direct acting, single diaphragm types. Devices shall be permitted to have an integral strainer, separate strainer connected to the valve inlet, or be without strainer. Devices shall be permitted to be with or without an integral by-pass relief valve.

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

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Revision

BSR/ASSE 1013-202x, Reduced Pressure Principle Backflow Prevention Assemblies (revision of ANSI/ASSE 1013 -2021)

Stakeholders: Manufacturers, users, inspectors, distributors, designers, and contractors.

Project Need: Opening for revision as part of the harmonization efforts with CSA B64.4

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

Scope: The purpose of Reduced Pressure Principle Backflow Prevention Assemblies (RP) is to keep contaminated water from flowing back into a potable water distribution system when some abnormality in the system causes the pressure to be temporarily higher in the contaminated part of the system than in the potable water supply piping.

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

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Revision

BSR/ASSE 1015-202x, Double Check Backflow Prevention Assemblies (revision of ANSI/ASSE 1015-2021)
Stakeholders: Manufacturers, users, inspectors, distributors, designers, and contractors.

Project Need: Opening for revision as part of the harmonization efforts with CSA B64.5

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

Scope: The purpose of Double Check Backflow Prevention Assemblies (DC) is to keep polluted water from flowing into a potable water distribution system when some abnormality in the system causes the pressure to be temporarily higher in the polluted part of the system than in the potable water supply piping.

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

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New Standard

BSR/ASSE 1385-202x, Performance Requirements for Water Treatment Equipment used for Portable Exchange Programs (new standard)
Stakeholders: Water purveyors, plumbing regulatory officials, manufactures, testing and certification organizations

Project Need: Currently there are portable exchange service programs being offered across the country. These programs replace the media tanks/vessels in water treatment systems. The water treatment product which the exchange components go into are certified and listed as a complete packaged system. However, there are no performance requirements for the components which are used for the exchange. The certified water treatment systems have components from the exchange programs which may or may not comply with the performance requirement of the system. This standard will provide performance criteria for the exchange components.

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

Scope: This standard provides the minimum performance requirements for components used in portable exchange service programs. The exchange services swap out components as part of general maintenance of the system and replenishment of media. The standard defines the requirements for filter/media tanks (vessels) and other maintenance parts. These requirements are based of the existing requirements for water treatment equipment. This standard will also allow for the review of offsite, centralized regeneration process for ion exchange water treatment systems.

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

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Revision

BSR/CAN/ASSE/IAPMO 1055-202x, Chemical Dispensers with Integral Backflow Protection (revision of ANSI/CAN/ASSE/IAPMO 1055-2020)
Stakeholders: Plumbing manufacturers, plumbing inspectors, backflow preventer, janitorial or custodian services, surface disinfection, and chemical dispensing equipment manufacturers.

Project Need: Revision to correct error in test methods which were preventing the tests from being performed.

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

Scope: Chemical dispensing systems (herein referred to as the “device”) provide a means of mixing potable water with chemicals to provide the user with a chemical solution which is ready for use. The amount of dilution shall be fixed or adjustable. Devices covered by this standard are intended for stationary installations, mobile devices where the orientations are fixed, and handheld devices.

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

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Revision

BSR/IAPMO Z1117-202x, Press Connections (revision of ANSI/IAPMO Z1117-2022)
Stakeholders: Manufacturers, users, inspectors, distributors designers, and contractors

Project Need: Revision to address proposed language submitted

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

Scope: This Standard covers press connections made with: (a) copper or copper alloy fittings and Type K, L, and M copper tube; (b) carbon steel fittings and Schedule 10 and 40 carbon steel pipe; (c) stainless steel fittings and Schedule 5, 10, and 40 stainless steel pipe; or (d) stainless steel fittings and stainless steel pipe complying with the dimensions specified in Table 1. This Standard specifies requirements for materials, physical characteristics, performance testing, and markings. Products covered by this standard include fittings, tube, and pipe with press connection ends combined with other types of connections (e.g., threaded, soldered, and push-fit). Carbon steel fittings and pipe covered by this standard are not intended to be used in potable water supply systems.

NFPA (National Fire Protection Association)

Dawn Michele Bellis; dbellis@nfpa.org | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

Revision

BSR/NFPA 115-202x, Standard for Laser Fire Protection (revision of ANSI/NFPA 115-2020)
Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and Need

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)
Please refer to the following link https://www.nfpa.org/tcclass for more information about our classifications

Scope: 1.1 Scope. 1.1.1 This document shall provide minimum fire protection requirements for the design, manufacture, installation, and use of lasers and associated equipment. 1.1.2 Criteria for training for and responding to fire emergencies involving lasers shall be included.

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 1850-202x, Standard on Protective Ensembles for Structural and Proximity Firefighting and Self-Contained Breathing Apparatus (SCBA) (revision, redesignation and consolidation of ANSI/NFPA 1851-2020, ANSI/NFPA 1852-2019)
Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and Need

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)
Please refer to the following link https://www.nfpa.org/tcclass for more information about our classifications

Scope: 1.1 Scope. 1.1.1 This standard shall specify the following requirements: (1) The minimum selection, care, and maintenance requirements for structural firefighting protective ensembles and proximity firefighting protective ensembles, and the individual ensemble elements that include garments, helmets, gloves, footwear, and interface components that are compliant with NFPA 1971, incorporated in the 2024 edition of NFPA 1970. (2) Requirements for both structural firefighting and proximity firefighting protective ensembles, ensemble elements, clothing, and equipment certified as compliant with previous editions of NFPA 1971, incorporated in the 2024 edition of NFPA 1970. (3) Minimum requirements for the selection, care, and maintenance of open-circuit self-contained breathing apparatus (SCBA) and combination SCBA/supplied air respirator (SAR) that are used for respiratory protection during emergency, tactical, or technical operations, in environments where the atmosphere is immediately dangerous to life and health (IDLH) or could become oxygen deficient or IDLH.

NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 1955-202x, Standard on Surface Water Operations Protective Clothing and Equipment and Protective Ensembles for Contaminated Water Diving (revision, redesignation and consolidation of ANSI/NFPA 1952-2021, ANSI/NFPA 1953-2021)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and Need

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Please refer to the following link https://www.nfpa.org/tcclass for more information about our classifications

Scope: 1.1 Scope 1.1.1 This standard provides minimum design, performance, testing, and certification requirements for the following: (1) New protective clothing and equipment items, including full body suits, helmets, gloves, footwear, and personal flotation devices designed to provide limited protection from physical, environmental, thermal, and certain common chemical and biological hazards for emergency services personnel during surface water operations. (2) New protective clothing and equipment items, including dry suits, dry suit gloves, and dry suit footwear designed to provide limited protection from physical, environmental, and certain chemical and biological hazards that are listed herein for emergency services personnel during contaminated water dive operations.

SIA (Security Industry Association)

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New Standard

BSR/SIA DC-03-202x, Digital Communications Standard - SIA Format Protocol - For Alarm System Communications (new standard)
Stakeholders: Alarm and monitor organizations, central station receivers and operators, telecom, security, dispatchers, law enforcement

Project Need: This specification describes a standard for digital communication to be used in the alarm industry, with possible future uses in the areas of energy control and facilities monitoring and management. The standard is voluntary and self-enforcing. A RECEIVER and TRANSMITTER designed to meet this standard must be capable of receiving and transmitting to other manufacturers' equipment. In case of incompatibility, the problem should be resolved through manufacturer to manufacturer discussions. The Digital Communications Standards Subcommittee will provide interpretations of the standard and act as an arbitration body if the problem cannot otherwise be resolved. This communication standard is designed to be open ended. The block format allows for a variable length on the account number and data sections of the message. The generalized message format allows for a theoretically unlimited length message in the form of multiple blocks (however, practical limits must be considered). The open-ended design will allow for almost unlimited expansion within the provisions of the standard.

Interest Categories: Dealer/Installer, End User/Consumer, Manufacturing, Monitoring, Public Safety, SDO, SME and Specifier

Scope: This standard describes a standard format for communication between alarm system communicators and central station receivers. It defines a complete transmission and data interpretation protocol, including detailed timing and frequency, and error detection. Recently revised, it has incorporated previous interpretations into text and lists new message types and event codes including helpful examples. Also known as the 'The SIA Format', this standard is currently in wide use in the United States and abroad. New revision includes new codes and examples.

SIA (Security Industry Association)

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New Standard

BSR/SIA DC-09-202x, SIA Digital Communication Standard – Internet Protocol Event Reporting (new standard)
Stakeholders: Alarm and monitor organizations, central station receivers and operators, telecom, security, dispatchers, law enforcement

Project Need: This standard details the protocol and related details to report events from premises equipment to a central station using Internet protocol (IP) to carry the event content. It is important to distinguish that, while this reporting method uses the SIA Receiver-to-Computer Interface Protocol as a foundation, it is intended for event transport from protected premises to a central station - possibly using the public Internet. This standard is intended for use by manufacturers of control panels and central station receivers to ensure equipment compatibility, as well as all affected parties.

Interest Categories: Dealer/Installer, End User/Consumer, Manufacturing, Monitoring, Public Safety, SDO, SME and Specifier

Scope: This standard details the protocol to report events from premises equipment to a central station using internet protocol (IP). This standard is intended for use by manufacturers of control panels and central station receivers to ensure equipment compatibility. As with any standard, compliance is voluntary. This is of interest to other parties such as security system installers, specifiers, and users (central stations); and local authorities that are dealing with compatibility issues.

TAPPI (Technical Association of the Pulp and Paper Industry)

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Reaffirmation

BSR/TAPPI T 205 sp-2018 (R202x), Forming handsheets for physical tests of pulp (reaffirmation of ANSI/TAPPI T 205 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.

Interest Categories: Producers, Converters, Suppliers of chemical/raw materials, Suppliers of manufacturing equipment, Service and general suppliers, Commercial users, Marketers and Commercial Sellers, Consultants, Educators, General Interest

Scope: 1.1 This procedure describes a method of forming test handsheets at an oven dry weight of 60 g/m2 for determining the physical properties of pulp for both unrefined and refined pulps. Appendix B describes a modified procedure for making heavier weight sheets for pulps intended for use in paperboard manufacture

TAPPI (Technical Association of the Pulp and Paper Industry)

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Reaffirmation

BSR/TAPPI T 1217 sp-2012 (R202x), Photometric linearity of optical properties instruments (reaffirmation of ANSI/TAPPI T 1217 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.

Interest Categories: Producers, Converters, Suppliers of chemical/raw materials, Suppliers of manufacturing equipment, Service and general suppliers, Commercial users, Marketers and Commercial Sellers, Consultants, Educators, General Interest

Scope: This standard practice describes a test for linearity required by the following TAPPI optical methods:

TAPPI (Technical Association of the Pulp and Paper Industry)

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Reaffirmation

BSR/TAPPI T 1218 sp-2012 (R202x), Calibration of reflectance standards for hemispherical geometry (reaffirmation of ANSI/TAPPI T 1218 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.

Interest Categories: Producers, Converters, Suppliers of chemical/raw materials, Suppliers of manufacturing equipment, Service and general suppliers, Commercial users, Marketers and Commercial Sellers, Consultants, Educators, General Interest

Scope: 1.1 This standard practice describes the calibration of standards for hemispherical reflectance in relation to the theoretically perfect reflecting diffuser with an assigned value of unity.

TAPPI (Technical Association of the Pulp and Paper Industry)

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Reaffirmation

BSR/TAPPI T 1500 gl-2018 (R202x), Optical measurements terminology (related to appearance evaluation of paper) (reaffirmation of ANSI/TAPPI T 1500 gl-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.

Interest Categories: Producers, Converters, Suppliers of chemical/raw materials, Suppliers of manufacturing equipment, Service and general suppliers, Commercial users, Marketers and Commercial Sellers, Consultants, Educators, General Interest

Scope: 1.1 This glossary defines terms used in the pulp and paper industry relating to both visual and instrumental evaluations of appearance. This technical terminology includes such optical assessments such as brightness, whiteness, color, gloss, opacity, scattering, absorption, etc.

TAPPI (Technical Association of the Pulp and Paper Industry)

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Reaffirmation

BSR/TAPPI T 1501 sg-2018 (R202x), Training standard for paper machine tender (reaffirmation of ANSI/TAPPI T 1501 sg-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.

Interest Categories: Producers, Converters, Suppliers of chemical/raw materials, Suppliers of manufacturing equipment, Service and general suppliers, Commercial users, Marketers and Commercial Sellers, Consultants, Educators, General Interest

Scope: The purpose of this standard is to provide guidelines for skills and knowledge needed by a paper machine tender, often referred to as the paper machine first hand. The standard will be useful as a measure of the capabilities and understanding that a person must have to successfully perform the machine tender function. Within the limitations described, the incumbent or candidate for this function should have the capability to know, understand, and appropriately utilize all of the standard skill and knowledge functions described. Secondly, as the first standard of this type based on the information sources referenced, this particular standard may serve as a model to see if similar standards would be useful for other pulp and paper mill job classifications

VITA (VMEbus International Trade Association (VITA))

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www.vita.com

Revision

BSR/VITA 48.8-202x, Mechanical Standard for VPX REDI Air Flow through Cooling, 1.0 to 1.5 Pitches (revision of ANSI/VITA 48.8-2017)

Stakeholders: Manufacturers, system integrators, end users of critical embedded systems

Project Need: Develop standard implementation for air-flow-through for critical embedded modules

Interest Categories: Users, producers, general Interest

Scope: 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 3 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 light weight 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). This revision updates the backplane tab dimensions, thickness, jackscrew and guide pins.

Call for Comment on Standards Proposals

American National Standards

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

Comment Deadline: June 12, 2022

ABYC (American Boat and Yacht Council)

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

New Standard

BSR/ABYC H-41-202x, Reboarding Means, Ladders, Handholds, Rails, and Lifelines (new standard)
This standard applies to the design, construction, and installation of reboarding means, ladders, handhold devices, grab rails, rails, lifelines, and slip resistant surfaces on boats.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: comments@abycinc.org

AISC (American Institute of Steel Construction)

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

Revision

BSR/AISC 341-202x, Seismic Provisions for Structural Steel Buildings (revision of ANSI/AISC 341-2016)
These provisions are for the design and construction of structural steel members and connections in the seismic force-resisting systems in buildings and other structures. The design forces in these structures shall result from earthquake motions determined on the basis of various levels of energy dissipation in the inelastic range of response.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Cynthia Duncan, duncan@aisc.org

Comment Deadline: June 12, 2022

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

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

Addenda

BSR/ASHRAE Addendum l to BSR/ASHRAE Standard 15-202x, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2019)
This proposed addendum l to ANSI/ASHRAE Standard 15-2019 modifies portions of the document to incorporate requirements for commercial refrigeration applications with the use of A2L, A2, and A3 refrigerants. The text developed is in response to CMP 0004-001 based on information and requirements in conjunction with proposed product safety standard UL/CSA 60335-2-89, as well as research performed in collaboration of AHRI, ASHRAE, the U.S. Department of Energy, California Energy Commission.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

CTA (Consumer Technology Association)

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

Revision

BSR/CTA 2051-A-202x, Wearable Sound Amplifier Performance Criteria (revision and redesignation of ANSI/CTA 2051-2017)
This standard establishes technical performance metrics and associated target values for consumer products which provide personal sound amplification (OTC Hearing Aids).
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: CAkers@cta.tech

NSF (NSF International)

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

Revision

BSR/NSF 21-202x (i9r1), Thermoplastic Refuse Containers (revision of ANSI/NSF 21-2019)
This Standard contains sanitation requirements for new thermoplastic refuse containers intended for the indoor and outdoor storage of refuse.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: arose@nsf.org

Comment Deadline: June 12, 2022

NSF (NSF International)

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

Revision

BSR/NSF 350-202x (i65r2), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2020)
This Standard contains minimum requirements for onsite residential and commercial greywater treatment systems. Systems may include greywater reuse treatment systems having a rated treatment capacity up to 5,678 L/d (1,500 gal/d); or commercial greywater reuse treatment systems: This applies to onsite commercial reuse treatment systems that treat combined commercial facility greywater with capacities exceeding 5,678 L/d (1,500 gal/d) and commercial facility laundry water only of any capacity. Management methods and end uses appropriate for the treated effluent discharged from greywater residential and commercial treatment systems meeting this Standard are limited to subsurface discharge to the environment only.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: jsnider@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 455-2-202x (i23r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2021)
This Standard is intended to define a standardized approach for auditing to determine the level of compliance of dietary supplement products to 21 CFR 111 Current Good Manufacturing Practices (GMPs) in Manufacturing, Packaging, Labeling, or Holding Operations for Dietary Supplements as well as incorporating additional retailer requirements. It refers to the requirements for GMP applicable to all dietary supplements. It will assist in the determination of adequate facilities and controls for dietary supplement manufacture with sufficient quality to ensure suitability for intended use.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: rbrooker@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 455-2-202x (i25r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2021)
This Standard is intended to define a standardized approach for auditing to determine the level of compliance of dietary supplement products to 21 CFR 111 Current Good Manufacturing Practices (GMPs) in Manufacturing, Packaging, Labeling, or Holding Operations for Dietary Supplements as well as incorporating additional retailer requirements. It refers to the requirements for GMP applicable to all dietary supplements. It will assist in the determination of adequate facilities and controls for dietary supplement manufacture with sufficient quality to ensure suitability for intended use.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: rbrooker@nsf.org

Comment Deadline: June 12, 2022

NSF (NSF International)

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

Revision

BSR/NSF 455-2-202x (i27r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2021)
This Standard is intended to define a standardized approach for auditing to determine the level of compliance of dietary supplement products to 21 CFR 111 Current Good Manufacturing Practices (GMPs) in Manufacturing, Packaging, Labeling, or Holding Operations for Dietary Supplements as well as incorporating additional retailer requirements. It refers to the requirements for GMP applicable to all dietary supplements. It will assist in the determination of adequate facilities and controls for dietary supplement manufacture with sufficient quality to ensure suitability for intended use.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: rbrooker@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 455-2-202x (i30r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2021)
This Standard is intended to define a standardized approach for auditing to determine the level of compliance of dietary supplement products to 21 CFR 111 Current Good Manufacturing Practices (GMPs) in Manufacturing, Packaging, Labeling, or Holding Operations for Dietary Supplements as well as incorporating additional retailer requirements. It refers to the requirements for GMP applicable to all dietary supplements. It will assist in the determination of adequate facilities and controls for dietary supplement manufacture with sufficient quality to ensure suitability for intended use.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: rbrooker@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 455-3-202x (i32r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3 -2021)
This Standard is intended to define a standardized approach for auditing to determine the level of compliance of cosmetic products to ISO 22716 Good Manufacturing Practices (GMPs) for cosmetics as well as incorporating additional retailer requirements. It refers to the requirements for GMPs applicable to all cosmetics. It will assist in the determination of adequate facilities and controls for cosmetic manufacture with sufficient quality to ensure suitability for intended use.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: rbrooker@nsf.org

Comment Deadline: June 12, 2022

NSF (NSF International)

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

Revision

BSR/NSF 455-4-202x (i32r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2021)
This Standard is intended to define a standardized approach for auditing to determine the level of compliance of over-the-counter (OTC) drug products to 21 CFR Part 210 Current Good Manufacturing Practice in Manufacturing, Processing, Packing, or Holding of Drugs; General and 21 CFR Part 211 Current Good Manufacturing Practice for Finished Pharmaceuticals, as well as incorporating additional retailer requirements. It refers to the requirements for good manufacturing practices (GMPs) applicable to all OTC drugs. It will assist in the determination of adequate facilities and controls for OTC drug manufacture with sufficient quality to ensure suitability for intended use.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: rbrooker@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 455-4-202x (i38r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-202x (i38r1))
This Standard is intended to define a standardized approach for auditing to determine the level of compliance of over-the-counter (OTC) drug products to 21 CFR Part 210 Current Good Manufacturing Practice in Manufacturing, Processing, Packing, or Holding of Drugs; General and 21 CFR Part 211 Current Good Manufacturing Practice for Finished Pharmaceuticals, well as incorporating additional retailer requirements. It refers to the requirements for good manufacturing practices (GMPs) applicable to all OTC drugs. It will assist in the determination of adequate facilities and controls for OTC drug manufacture with sufficient quality to ensure suitability for intended use.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: rbrooker@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF/CAN 50-202x (i188r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020)
This Standard covers materials, chemicals, components, products, equipment and systems, related to public and residential recreational water facility operation.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: jsnider@nsf.org

Comment Deadline: June 12, 2022

UL (Underwriters Laboratories)

171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada | laura.werner@ul.org, https://ul.org/

New Standard

BSR/UL 4402-202x, Standard for Safety for Indoor Air Quality in Buildings and Facilities Utilized for the Cultivation, Production and Processing of Cannabis (new standard)
1.1 This Standard provides minimum indoor air quality (IAQ) requirements and guidelines for a building or portions of a building utilized for cannabis cultivation, post-harvest processing as well as ancillary spaces. Note: For the purposes of this Standard, ancillary spaces include areas that support the general operations required to run a cannabis facility. Examples include but are not limited to: Corridors, HVAC/Mechanical Rooms and Electrical Rooms. 1.2 This Standard recognizes the issues surrounding lead paint and asbestos in the built environment. Due to differing legal restrictions and licensure requirements, these materials are beyond the scope of this standard. It is the responsibility of the building owner and/or operator to assure compliance with all regulations applicable within the jurisdiction. 1.3 This Standard does not address: fumigation and insecticidal fogging, ozone generating air cleaning devices, ultraviolet germicidal irradiation (UVGI) exposure from air cleaning devices, nor exposure limits for hydrofluoroalkane (HFA-134a). 1.4 This Standard does not address cannabis related biogenic volatile organic compounds (BVOCs). These BVOCs include thiols (also called volatile sulfur compounds, or VSCs) as part of their natural biological cycles. The VOCs emitted by cannabis include terpenes with main constituents as isoprene, monoterpenes and sesquiterpenes. These terpenes are odorants with extremely low odor thresholds. At the time of this publication, the STP is not aware of any evidence that suggests health hazards are related to cannabis BVOC emissions at the typically observed concentrations. 1.5 This Standard does not include provisions for greenhouses.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

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

Revision

BSR/UL 758-202x, Standard for Appliance Wiring Material (revision of ANSI/UL 758-202x)
This proposal covers: 1. Revised AWG Diameter in the Other Limits Column in Table 5.3; 2. Addition of a New Requirement for Annealed Copper Alloy Conductor, Revised Table 5.3
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

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

Revision

BSR/UL 1046-202x, Standard for Grease Filters for Exhaust Ducts (revision of ANSI/UL 1046-202x)
This proposal covers: 1. Addition of Drop Test to UL 1046.
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: June 12, 2022

UL (Underwriters Laboratories)

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

Revision

BSR/UL 6141-202X, Standard for Wind Turbines Permitting Entry of Personnel (revision of ANSI/UL 6141 -2021)
The following changes are proposed: 1. Eliminate Offshore Exclusion from Scope.
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: June 27, 2022

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 159-202x, Standard for Scene Investigation and Reconstruction - Foundational Principles (new standard)
This document provides general requirements for scene investigation and reconstruction. This document establishes a framework for expected actions and decision-making based on foundational principles related to legal considerations, personnel safety, scientific reliability and validity, preserving context, maintaining evidence integrity, transparency, and managing bias.
Single copy price: Free
Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: https://www.aafs.org/academy-standards-board
Order from: Document will be provided electronically on AAFS Standards Board website (www.aafs.org/academy-standards-board.org) free of charge.
Send comments (copy psa@ansi.org) to: asb@aafs.org

AAMI (Association for the Advancement of Medical Instrumentation)

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

National Adoption

BSR/AAMI/ISO 15223-1-202x, Medical devices - Symbols to be used with information to be supplied by the manufacturer - Part 1: General requirements (identical national adoption of ISO 15223-1:2021 and revision of ANSI/AAMI/ISO 15223-1:2016)
Specifies symbols used to express information supplied for a medical device. This document is applicable to symbols used in a broad spectrum of medical devices, that are available globally and need to meet different regulatory requirements. These symbols can be used on the medical device itself, on its packaging or in the accompanying information. The requirements of this document are not intended to apply to symbols specified in other standards.
Single copy price: Free
Obtain an electronic copy from: abenedict@aami.org
Send comments (copy psa@ansi.org) to: abenedict@aami.org

Comment Deadline: June 27, 2022

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

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

Reaffirmation

BSR/AHRI Standard 1270 (I-P)-2015 (R202x), Requirements for Seismic Qualification of HVACR Equipment (reaffirmation of ANSI/AHRI Standard 1270 (I-P)-2015)
This standard applies to Equipment listed in Section 5. This standard describes the methods for equipment qualification and the process to determine equipment Seismic Capacity.
Single copy price: Free
Obtain an electronic copy from: https://ahrinet.org/standards/standards-news-current-activities
Send comments (copy psa@ansi.org) to: AHRI_Standards@ahrinet.org

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

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

Reaffirmation

BSR/AHRI Standard 1271 (SI)-2015 (R202x), Requirements for Seismic Qualification of HVACR Equipment (reaffirmation of ANSI/AHRI Standard 1271 (SI)-2015)
This standard applies to Equipment listed in Section 5. This standard describes the methods for equipment qualification and the process to determine equipment Seismic Capacity.
Single copy price: Free
Obtain an electronic copy from: https://ahrinet.org/standards/standards-news-current-activities
Send comments (copy psa@ansi.org) to: AHRI_Standards@ahrinet.org

AWS (American Welding Society)

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

National Adoption

BSR/AWS A5.9/A5.9M-202X (ISO 14343-2017 MOD), Specification for Bare Stainless Steel Welding Electrodes and Rods (national adoption of ISO 14343:2017 with modifications and revision of ANSI/AWS A5.9/A5.9M:2017 (ISO 14343:2009 MOD))
This specification prescribes the requirements for classification of bare stainless steel electrodes (both as wire and strip) for gas metal arc welding, submerged arc welding, and other fusion welding processes. It also includes wire and rods for use in gas tungsten arc welding and plasma arc welding. Classification is based on chemical composition of the filler metal. A guide is appended to the specification as a source of information concerning the classification system employed and the intended use of the stainless steel filler metal. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.
Single copy price: $28 member / $37 non-member
Obtain an electronic copy from: kbulger@aws.org
Order from: Kevin Bulger; kbulger@aws.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: June 27, 2022

AWS (American Welding Society)

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

Revision

BSR/AWS A5.5/A5.5M-202x, Specification for Low-Alloy Steel Electrodes for Shielded Metal Arc Welding (revision of ANSI/AWS A5.5/A5.5M-2014)
This specification prescribes the requirements for classification of low-alloy steel covered electrodes used for shielded metal arc welding. The requirements include chemical composition and mechanical properties of weld metal, weld metal soundness, usability tests of electrodes, and moisture tests of the low-hydrogen electrode covering. Requirements for standard sizes and lengths, marking, manufacturing, and packaging are also included. Optional supplemental requirements include tests for absorbed moisture in the electrode covering and for diffusible hydrogen in the weld metal. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.
Single copy price: $28 member / $37 non-member
Obtain an electronic copy from: kbulger@aws.org
Order from: Kevin Bulger; kbulger@aws.org
Send comments (copy psa@ansi.org) to: Same

AWS (American Welding Society)

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

Revision

BSR/AWS A5.30/A5.30M-202x, Specification for Consumable Inserts (revision of ANSI/AWS A5.30/A5.30M:2007)
Five classes (cross-sectional design) of consumable inserts of various chemical compositions are described. Each class is subdivided into two or three styles based on the shape of the insert. The chemical composition of the consumable insert is specified herein, or by the composition limits shown in another AWS A5 solid wire specification. Packaging and marking requirements are specified. Application guidelines are provided in an informational annex.
Single copy price: $28 member / $37 non-member
Obtain an electronic copy from: kbulger@aws.org
Order from: Kevin Bulger; kbulger@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

New Standard

BSR/AWWA F130-202x, Aeration Systems for Biological Wastewater Treatment (new standard)
This standard describes the minimum requirements for aeration systems and equipment used in biological wastewater treatment.
Single copy price: Free
Obtain an electronic copy from: ETSsupport@awwa.org
Order from: AWWA, Attn: Vicki David
Send comments (copy psa@ansi.org) to: AWWA, Attn: Paul J. Olson

Comment Deadline: June 27, 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 NGV2-202x, Standard for Compressed natural gas vehicle fuel containers (revision of ANSI/CSA NGV2-2019)
This standard contains requirements for the materials, design, manufacture and testing of refillable containers intended for the storage of compressed natural gas for vehicle operation and which are affixed to the vehicle. The standard coves fuel containers of up to 1000 liter capacity.
Single copy price: Free
Obtain an electronic copy from: ansi.contact@csagroup.org
Order from: Debbie Chesnik; ansi.contact@csagroup.org
Send comments (copy psa@ansi.org) to: ansi.contact@csagroup.org

HI (Hydraulic Institute)

300 Interpace Parkway, Building A, 3rd Floor, #280, Parsippany, NJ 07054 | achatterjee@pumps.org, www.pumps.org

Revision

BSR/HI 9.6.5-202x, Rotodynamic Pumps - Guideline for Condition Monitoring (revision of ANSI/HI 9.6.5 -2016)
This standard offers pump monitoring and failure detection techniques for rotodynamic pumps, both sealed and sealless designs. The guideline provides maintenance strategies, and details items to be monitored for rotodynamic pumps, and provides information on how to determine appropriate warning and alarm levels.
Single copy price: $50.00
Obtain an electronic copy from: achatterjee@pumps.org
Send comments (copy psa@ansi.org) to: achatterjee@pumps.org

HI (Hydraulic Institute)

6 Campus Drive, Suite 104, Parsippany, NJ 07054-4406 | esuarez@pumps.org, www.pumps.org

Revision

BSR/HI 11.6-202x, Rotodynamic Submersible Pumps for Mechanical and Electrical Acceptance Tests (revision of ANSI/HI 11.6-2017)
This standard is intended to provide uniform test procedures for submersible pump integrity testing, data recording, and reporting of the test results. It is intended to define test procedures that may be invoked by contractual agreement between a purchaser and manufacturer.
Single copy price: $50.00
Obtain an electronic copy from: esuarez@pumps.org
Send comments (copy psa@ansi.org) to: esuarez@pumps.org

Comment Deadline: June 27, 2022

ISA (International Society of Automation)

3252 S. Miami Blvd, Suite 102, Durham, NC 27703 | ebrazda@isa.org, www.isa.org

New Standard

BSR/ISA 67.06.01-202x, Performance Monitoring for Nuclear Safety-Related Instrument Channels in Nuclear Power Plants (new standard)
This standard provides the nuclear power industry methods for assuring that nuclear safety-related instrument channels satisfy acceptable calibration, response time, and other factors affecting the performance of the instrument channel. This standard applies only to those instrument channels whose primary sensors measure pressure, differential pressure, temperature, or neutron flux. Primary flow elements are addressed by other standards.
Single copy price: $50.00
Obtain an electronic copy from: ebrazda@isa.org
Order from: Eliana Brazda; ebrazda@isa.org
Send comments (copy psa@ansi.org) to: Same

NENA (National Emergency Number Association)

1700 Diagonal Road, Suite 500, Alexandria, VA 22314 | darnold@nena.org, www.nena.org

New Standard

BSR/NENA STA-006.2-202x, NENA Standard for NG9-1-1 GIS Data Model (new standard)
This work will review and add to the current NENA standards for NG9-1-1 GIS Data and build on existing work related to migration to the required standardized formats and stewardship practices required for NG9-1-1 to operate seamlessly and be interoperable with all agencies and responders across the US and Canada. Note: This is a 2nd Public review and only edits and highlighted text are open for comment.
Single copy price: Free
Obtain an electronic copy from: Download & submit comments at https://dev.nena.org/higherlogic/ws/public/document?document_id=25918&wg_id=cbe73ed9-8e96-475c-8a77-340dc6682b79 or email darnold@nena.org.
Order from: Download & submit comments at https://dev.nena.org/higherlogic/ws/public/document?document_id=25918&wg_id=cbe73ed9-8e96-475c-8a77-340dc6682b79 or email darnold@nena.org.
Send comments (copy psa@ansi.org) to: Download & submit comments at https://dev.nena.org/higherlogic/ws/public/document?document_id=25918&wg_id=cbe73ed9-8e96-475c-8a77-340dc6682b79 or email darnold@nena.org.

Comment Deadline: June 27, 2022

SCTE (Society of Cable Telecommunications Engineers)

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

Revision

BSR/SCTE 48-3-202x, Test Procedure for Measuring Shielding Effectiveness of Coaxial Cable and Connectors Using the GTEM Cell (revision of ANSI/SCTE 48-3-2018)
This document details the procedure for measuring the Shielding effectiveness (SE) of coaxial cable and connectors using the gigahertz transverse electromagnetic (GTEM) cell. More particularly, this procedure applies to measuring the S.E. of 75 ohm braided coaxial drop cables and connectors presently used within the broadband communications industry. S.E. measurements can be performed with or without the affixing coaxial connectors removed from the measurement.
Single copy price: $50.00
Obtain an electronic copy from: admin@standards.scte.org
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: admin@standards.scte.org

UL (Underwriters Laboratories)

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

Reaffirmation

BSR/UL 1322-2017 (R202x), Standard for Fabricated Scaffold Planks and Stages (reaffirmation of ANSI/UL 1322-2017)
These requirements cover the following: Wood, metal, or a combination of wood and metal fabricated planks; Fabricated platforms for use with suspended, fixed, or rolling scaffold; Modular suspended platforms; Scaffold decks; Mobile work stands; Work cages (baskets), and Platforms with one, two, or multiple points. These requirements do not cover: Suspended scaffold components, Accessories for use with or in the erection of fixed or rolling scaffolds; The construction or installation of scaffolding; Hoists intended for use with suspended scaffolds; or Suspended platforms utilizing angled or articulating sections.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

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

Reaffirmation

BSR/UL 60745-2-5-2012 (R202x), Standard For Safety For Hand-Held Motor-Operated Electric Tools - Safety - Part 2-5: Particular Requirements for Circular Saws (reaffirmation of ANSI/UL 60745-2-5-2012 (R2017))
Reaffirmation and continuance of the fifth edition of the Standard For Safety For Hand-Held Motor-Operated Electric Tools - Safety - Part 2-5: Particular Requirements for Circular Saws, UL 60745-2-5, as an standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: June 27, 2022

UL (Underwriters Laboratories)

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

Reaffirmation

BSR/UL 60939-3-2017 (R202x), Standard for Passive filter units for electromagnetic interference suppression - Part 3: Passive filter units for which safety tests are appropriate (reaffirm a national adoption ANSI/UL 60939-3-2017)
Reaffirmation and continuance of the 1st Edition of the Standard for Passive filter units for electromagnetic interference suppression - Part 3: Passive filter units for which safety tests are appropriate UL 60939-3, as an standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: July 12, 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

Reaffirmation

BSR/ASME B89.7.3.3-2002 (R202x), Guidelines for Assessing the Reliability of Dimensional Measurement Uncertainty Statements (reaffirmation of ANSI/ASME B89.7.3.3-2002 (R2017))
This Standard provides guidance in assessing the reliability of a statement of measurement uncertainty in question.
Single copy price: $36.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Justin Cassamassino

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 B73.3-202x, Specification for Sealless Horizontal End Suction Metallic Centrifugal Pumps for Chemical Process (revision of ANSI/ASME B73.3-2015)
This Standard is a design and specification standard that covers metallic and plastic lined sealless centrifugal pumps of horizontal, end suction single stage, centerline discharge design.
Single copy price: Free
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Send comments (copy psa@ansi.org) to: Robert Ryan

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Revision

BSR/ASME QME-1-202x, Qualification of Active Mechanical Equipment Used in Nuclear Facilities (revision of ANSI/ASME QME-1-2017)
This Standard provides the requirements and guidelines for the qualification of active mechanical equipment whose function is required to ensure the safe operation or safe shutdown of a nuclear facility. In addition to requirements and guidelines put forth in this Standard, the active mechanical equipment shall comply with the requirements of the applicable design and construction codes and standards.
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Reaffirmation

INCITS 4-1986 [R202x], Information Systems - Coded Character Sets - 7- Bit Standard Code for Information Interchange (7-Bit ASCII) (reaffirmation of INCITS 4-1986 [R2017])
Details information interchange among information processing systems, communication systems, and associated equipment. Specifies a set of 128 characters (control characters and graphics characters such as letters, digits, and symbols) with their coded representation.
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Reaffirmation

INCITS 149-1986 [R202x], Financial Transaction Card Formsets - Location of Imprinted Information (reaffirmation of INCITS 149-1986 [R2017])
Provides the location of the imprinted account number, area for source ID, amount of transaction, and date of transaction as they appear on 51-column and 80-column card size financial transaction card formsets.
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Reaffirmation

INCITS 358-2002 [R202x], Information technology - BioAPI Specification (Version 1.1) (reaffirmation of INCITS 358-2002 [R2017])
Defines the Application Programming Interface and Service Provider Interface for a standard biometric technology interface. It is beyond the scope of this specification to define security requirements for biometric applications and service providers, although some related information is included by way of explanation of how the API is intended to support good security practices.
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Reaffirmation

INCITS 358-2002/AM 1-2007 [R202x], Information technology - BioAPI Specification (Version 1.1) - Amendment 1: Support for Biometric Fusion (reaffirmation of INCITS 358-2002/AM 1-2007 [R2017])
Amendment 1 to INCITS 358-2002.
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Reaffirmation

INCITS 359-2012 [R202x], Information technology - Role Based Access Control (reaffirmation of INCITS 359 -2012 [R2017])
This standard consists of two main parts: the RBAC Reference Model and the RBAC System and Administrative Functional Specification. The RBAC Reference Model defines sets of basic RBAC elements (i.e., users, roles, permissions, operations and objects) and relations as types and functions that are included in this standard. The RBAC System and Administrative Functional Specification specifies the features that are required of an RBAC system.
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Reaffirmation

INCITS 365-2002 [R202x], Information Technology - SCSI RDMA Protocol (SRP) (reaffirmation of INCITS 365 -2002 [R2017])
Defines the rules for exchanging information between SCSI devices using an RDMA communication service. Other SCSI transport protocol standards define the rules for exchanging information between SCSI devices using other interconnects.
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Reaffirmation

INCITS 415-2006 [R202x], Information technology - Homeland Security Mapping Standard - Point Symbology for Emergency Management (reaffirmation of INCITS 415-2006 [R2017])
The primary purpose of this standard, Homeland Security Mapping Standard - Point Symbology for Emergency Management, is to establish a common set of symbols for use by mapmakers in support of emergency managers and first responders. It will allow users to rapidly interpret map data and to be able to disseminate consistent, usable information. This standard is applicable to all organizations that create maps or otherwise display features for the Emergency Management or First Responder communities. It is limited at this time to support portrayal of point features that relate to the emergency management and hazard mapping disciplines.
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Reaffirmation

INCITS 431-2007 [R202x], Information technology - SCSI/ATA Translation (SAT) (reaffirmation of INCITS 431 -2007 [R2017])
Defines standard mappings and behaviors among implementations that effect the behavior of SCSI devices as viewed by a host driver where the physical devices are ATA class devices presented to the host by applying a translation layer between the Serial ATA or Parallel ATA device and the SCSI interface.
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Reaffirmation

INCITS 434-2007 [R202x], Information technology - Tenprint Capture Using BioAPI (reaffirmation of INCITS 434-2007 [R2017])
Specifies requirements for the use of ISO/IEC 19784-1, BioAPI Specification (also known as BioAPI 2.0), a software interface standard, for the purpose of performing a tenprint capture operation. This includes one or more of the following: 1. Identification of BioAPI functions to be utilized and the order (if any) in which they are to be called; 2. Specification of values for function parameters; 3. Definition of GUI (graphical user interface) events (for use with an application controlled GUI); 4. User interface specifications for use with a BSP (biometric service provider) controlled GUI; and 5. Sample calling sequences and example inputs/outputs.
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Reaffirmation

INCITS 468-2010/AM1-2012 [R2017], Information technology - Multi-media Command Set - 6 (MMC-6) - Amendment 1 (reaffirmation of INCITS 468-2010/AM1-2012 [R2017])
Amendment 1 to INCITS 468-2010.
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Reaffirmation

INCITS 482-2012 [R202x], Information technology - ATA/ATAPI Command Set - 2 (ACS-2) (reaffirmation of INCITS 482-2012 [R2017])
The set of AT Attachment standards consists of this standard and the ATA implementation standards described in AT Attachment 8 ATA ATAPI Architecture Model ATA8 AAM The ATA ATAPI Command Set 2 ACS 2 standard specifies the command set host systems use to access storage devices It provides a common command set for systems manufacturers system integrators software suppliers and suppliers of intelligent storage devices. Figure 1 shows the relationship of this standard to the other standards and related projects in the ATA and SCSI families of standards and specifications.
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Reaffirmation

INCITS 484-2012 [R202x], Information Technology - SCSI Media Changer Commands - 3 (reaffirmation of INCITS 484-2012 [R2017])
Defines the command set extensions to facilitate operation of SCSI media changer devices. The clauses of this standard, implemented in conjunction with the requirements of the SCSI Architecture Model 4 standard and SPC-4, fully specify the standard command set for SCSI media changer devices. The objectives of the SCSI-3 Media Changer Commands 3 standard are: a) to permit an application client to communicate with a logical unit that declares itself to be a media changer device in the PERIPHERAL DEVICE TYPE field of the INQUIRY command response data; and b) to define commands and parameter data to manage the operation of SCSI media changer devices.
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Reaffirmation

INCITS 491-2017 [R202x], Information technology - SCSI/ATA Translation - 4 (SAT-4) (reaffirmation of INCITS 491-2017)
The set of SCSI standards specifies the interfaces, functions, and operations necessary to ensure interoperability between conforming SCSI implementations. This standard is a functional description. Conforming implementations may employ any design technique that does not violate interoperability. This standard defines the protocol requirements of the SCSI/ATA Translation Layer (SATL) to allow conforming SCSI/ATA translating components to interoperate with ATA devices, SCSI transports, and SCSI application layers. The SATL covers a range of implementations that use ATA devices to emulate the behavior of SCSI devices as viewed by the SCSI application layer. The primary focus of this standard is to define SCSI/ATA Translation for an ATA device (see 3.1.7).
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Reaffirmation

INCITS 493-2012 [R202x], Information Technology - AT Attachment-8 - Serial Transport (ATA8-AST) (reaffirmation of INCITS 493-2012 [R2017])
Specifies the AT Attachment Interface between host systems and storage devices using a serial electrical interface. It provides a common attachment interface for systems manufacturers, system integrators, software suppliers, and suppliers of intelligent storage devices. This standard is not intended to require changes to presently installed devices or existing software.
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Reaffirmation

INCITS 494-2012 [R202x], Information technology - Role Based Access Control - Policy Enhanced (reaffirmation of INCITS 494-2012 [R2017])
This RBAC Policy-Enhanced standard (to be referenced as RPE) provides a framework and functional specifications to handle the relationship between roles and dynamic constraints. Some of the administrative and user permission review advantages of RBAC are retained while allowing the access control system to work in a rapidly changing environment.
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Reaffirmation

INCITS 497-2012 [R202x], Information Technology - Automation/Drive Interface Commands - 3 (ADC - 3) (reaffirmation of INCITS 497-2012 [R2017])
Defines the model and command set extensions to facilitate operation of automation/drive interface devices. The clauses of this standard, implemented in conjunction with the applicable clauses of SPC-4, fully specify the standard command set for automation/drive interface devices.
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Reaffirmation

INCITS 510-2017 [R202x], Information technology - Fibre Channel -- Generic Services -- 7 (FC-GS-7) (reaffirmation of INCITS 510-2017)
This standard describes in detail the Services accessed by well-known addresses defined in FC-FS- 4. Generic Services described in this document are: a) Directory Service; b) Management Service; and c) Event Service. In addition, to the aforementioned Generic Services, the Common Transport (CT) protocol is described. The Common Transport Service provides a common FC-4 for use by Generic Services.
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Reaffirmation

INCITS 518-2017 [R202x], Information technology - SCSI Enclosure Services - 3 (SES-3) (reaffirmation of INCITS 518-2017)
This standard documents the commands and parameters necessary to manage and sense the state of the power supplies, the cooling devices, the displays, the indicators, the individual storage devices, and other non-SCSI elements installed in an enclosure. The command set uses the SEND DIAGNOSTIC command and the RECEIVE DIAGNOSTIC RESULTS command (see SPC-5) to obtain configuration information for the enclosure and to set and sense information for each type of element that may be installed in the enclosure.
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Reaffirmation

INCITS/ISO 19101-1:2014 [R202x], Geographic information - Reference model - Part 1: Fundamentals (reaffirmation of INCITS/ISO 19101-1:2014 [2017])
Defines the reference model for standardization in the field of geographic information. This reference model describes the notion of interoperability and sets forth the fundamentals by which this standardization takes place. Although structured in the context of information technology and information technology standards, ISO 19101-1:2014 is independent of any application development method or technology implementation approach.
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Reaffirmation

INCITS/ISO 19136-2:2015 [R202x], Geographic Information - Geography Markup Language (GML) - Part 2: Extended Schemas And Encoding Rules (reaffirmation of INCITS/ISO 19136-2:2015 [2017])
This standard is an XML encoding in compliance with ISO 19118 for the transport and storage of geographic information modelled in accordance with the conceptual modelling framework used in the ISO 19100- series of International Standards and including both the spatial and non-spatial properties of geographic features.
Single copy price: $105.00
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Reaffirmation

INCITS/ISO 19150-2:2015 [R202x], Geographic Information - Ontology - Part 2: Rules For Developing Ontologies In The Web Ontology Language (OWL) (reaffirmation of INCITS/ISO 19150-2:2015 [2017])
Defines rules and guidelines for the development of ontologies to support better the interoperability of geographic information over the Semantic Web. The Web Ontology Language (OWL) is the language adopted for ontologies. It defines the conversion of the UML static view modeling elements used in the ISO geographic information standards into OWL. It further defines conversion rules for describing application schemas based on the General Feature Model defined in ISO 19109 into OWL. It does not define semantics operators, rules for service ontologies, and does not develop any ontology.
Single copy price: $116.00
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Reaffirmation

INCITS/ISO 19160-1:2015 [R202x], Addressing - Part 1: Conceptual Model (reaffirmation of INCITS/ISO 19160-1:2015 [2017])
Defines a conceptual model for address information (address model), together with the terms and definitions that describe the concepts in the model. Lifecycle, metadata, and address aliases are included in the conceptual model. The model is presented in the Unified Modeling Language (UML). The model provides a common representation of address information, independent of actual addressing implementations. It is not intended to replace conceptual models proposed in other specifications, but provides a means to cross-map between different conceptual models for address information and enables the conversion of address information between specifications.
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Reaffirmation

INCITS/ISO 9542:1988 [R202x], Information processing systems - Telecommunications and information exchange between systems - End system to Intermediate system routeing exchange protocol for use in conjunction with the Protocol for providing the connectionless-mode network service (ISO 8473) (reaffirmation of INCITS/ISO 9542:1988 [R2017])
Specifies a) procedures for transmission of multicast announcement, multicast address mapping and group composition information between Network entities residing in End Systems and Network entities residing in Intermediate Systems; b) the encoding of the protocol data units used for multicast announcement, multicast address mapping and group composition information.
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Reaffirmation

INCITS/ISO 19103:2015 [R202x], Geographic information - Conceptual schema language (reaffirmation of INCITS/ISO 19103:2015 [2017])
Provides rules and guidelines for the use of a conceptual schema language within the context of geographic information. The chosen conceptual schema language is the Unified Modeling Language (UML). Provides a profile of the Unified Modelling Language (UML). The standardization target type of this standard is UML schemas describing geographic information.
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Reaffirmation

INCITS/ISO 19118:2011 [R202x], Geographic Information - Encoding (reaffirmation of INCITS/ISO 19118:2011 [R2017])
This standard specifies the requirements for defining encoding rules to be used for interchange of geographic data within the ISO 19100 series of International Standards.
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Reaffirmation

INCITS/ISO 19131:2007 [R202x], Geographic Information - Data Product Specifications (reaffirmation of INCITS/ISO 19131:2007 [2017])
Specifies requirements for the specification of geographic data products, based upon the concepts of other ISO 19100 International Standards. It also provides help in the creation of data product specifications, so that they are easily understood and fit for their intended purpose.
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Reaffirmation

INCITS/ISO 19134:2007 [R202x], Geographic Information - Location-Based Services - Multimodal Routing And Navigation (reaffirmation of INCITS/ISO 19134:2007 [R2017])
Specifies the data types and their associated operations for the implementation of multimodal location-based services for routing and navigation. It is designed to specify web services that may be made available to wireless devices through web-resident proxy applications, but is not limited to that environment.
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Reaffirmation

INCITS/ISO 19137:2007 [R202x], Geographic Information - Core Profile Of The Spatial Schema (reaffirmation of INCITS/ISO 19137:2007 [R2017])
Defines a core profile of the spatial schema specified in ISO 19107 that specifies, in accordance with ISO 19106, a minimal set of geometric elements necessary for the efficient creation of application schemata. Supports many of the spatial data formats and description languages already developed and in broad use within several nations or liaison organizations.
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Reaffirmation

INCITS/ISO 19149:2011 [R202x], Geographic Information - Rights Expression Language For Geographic Information - GeoREL (reaffirmation of INCITS/ISO 19149:2011 [R2017])
Defines an XML-based vocabulary or language to express rights for geographic information in order that digital licenses can be created for such information and related services. This language, GeoREL, is an extension of the rights expression language in ISO/IEC 21000-5 and is to be used to compose digital licenses
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Reaffirmation

INCITS/ISO 19156:2011 [R202x], Geographic Information - Observations And Measurements (reaffirmation of INCITS/ISO 19156:2011 [R2017])
Defines a conceptual schema for observations, and for features involved in sampling when making observations. These provide models for the exchange of information describing observation acts and their results, both within and between different scientific and technical communities.
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Reaffirmation

INCITS/ISO 19131:2007/AM1:2011 [R202x], Geographic Information - Data Product Specifications - Amendment 1: Requirements Relating To The Inclusion Of An Application Schema And Feature Catalogue And The Treatment Of Coverages In An Application Schema. (reaffirmation of INCITS/ISO 19131:2007/AM1:2011 [R2017])
Amendment 1 to ISO 19131:2007.
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Reaffirmation

INCITS/ISO/IEC 7816-3:2006 [R202x], Identification cards - Integrated circuit(s) cards with contacts - Part 3: Electronic interface and transmission protocols (reaffirmation of INCITS/ISO/IEC 7816-3:2006 [R2017])
Specifies the power and signal structures, and information exchange between an integrated circuit card and an interface device such as a terminal. It also covers signal rates, voltage levels, current values, parity convention, operating procedure, transmission mechanisms and communication with the card. It does not cover information and instruction content, such as identification of issuers and users, services and limits, security features, journaling and instruction definitions.
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Reaffirmation

INCITS/ISO/IEC 9075-1:2016 [R202x], Information technology -- Database languages -- SQL -- Part 1: Framework (SQL/Framework) (reaffirmation of INCITS/ISO/IEC 9075-1:2016 [2017])
Describes the conceptual framework used in other parts of ISO/IEC 9075 to specify the grammar of SQL and the result of processing statements in that language by an SQL-implementation.
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Reaffirmation

INCITS/ISO/IEC 9075-2:2016 [R202x], Information technology -- Database languages -- SQL -- Part 2: Foundation (SQL/Foundation) (reaffirmation of INCITS/ISO/IEC 9075-2:2016 [2017])
Defines the data structures and basic operations on SQL-data. It provides functional capabilities for creating, accessing, maintaining, controlling, and protecting SQL-data.
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Reaffirmation

INCITS/ISO/IEC 9075-4:2016 [R202x], Information technology -- Database languages -- SQL -- Part 4: Persistent stored modules (SQL/PSM) (reaffirmation of INCITS/ISO/IEC 9075-4:2016 [2017])
Specifies the syntax and semantics of a database language for declaring and maintaining persistent database language routines in SQL-server modules. The database language for s and s includes: the specification of statements to direct the flow of control, the assignment of the result of expressions to variables and parameters. The specification of condition handlers that allow SQL-invoked routines to deal with various conditions that arise during their execution.
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Reaffirmation

INCITS/ISO/IEC 9075-9:2016 [R202x], Information technology -- Database languages -- SQL -- Part 9: Management of External Data (SQL/MED) (reaffirmation of INCITS/ISO/IEC 9075-9:2016 [2017])
Defines extensions to Database Language SQL to support management of external data through the use of foreign-data wrappers and datalink types.
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Reaffirmation

INCITS/ISO/IEC 9075-10:2016 [R202x], Information technology -- Database languages -- SQL -- Part 10: Object language bindings (SQL/OLB) (reaffirmation of INCITS/ISO/IEC 9075-10:2016 [2017])
Specifies embedded SQL for the programming languages: Ada, C, COBOL, Fortran, MUMPS, Pascal, and PL/I. ISO/IEC 9075-10:2016 defines similar features of Database language SQL that support embedding of SQL-statements into programs written in the Java? programming language (Java is a registered trademark of Sun Microsystems, Inc.). The embedding of SQL into Java is commonly known as "SQLJ". This part of ISO/IEC 9075 specifies the syntax and semantics of SQLJ, as well as mechanisms to ensure binary portability of resulting SQLJ applications. In addition, it specifies a number of Java packages and their contained classes (including methods).
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Reaffirmation

INCITS/ISO/IEC 9075-11:2016 [R202x], Information technology -- Database languages -- SQL -- Part 11: Information and definition schemas (SQL/Schemata) (reaffirmation of INCITS/ISO/IEC 9075-11:2016 [2017])
Specifies an Information Schema and a Definition Schema that describes, the structure and integrity constraints of SQL-data, the security and authorization specifications relating to SQL-data, the features and subfeatures of ISO/IEC 9075, and the support that each of these has in an SQL-implementation, the SQL-implementation information and sizing items of ISO/IEC 9075 and the values supported by an SQL-implementation.
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Reaffirmation

INCITS/ISO/IEC 9075-13:2016 [R202x], Information technology -- Database languages -- SQL -- Part 13: SQL Routines and types using the Java TM programming language (SQL/JRT) (reaffirmation of INCITS/ISO/IEC 9075-13:2016 [2017])
Specifies the ability to invoke static methods written in the Java? programming language as SQL-invoked routines and to use classes defined in the Java programming language as SQL structured user-defined types. (Java is a registered trademark of Oracle Corporation and/or its affiliates.)
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Reaffirmation

INCITS/ISO/IEC 9075-14:2016 [R202x], Information technology -- Database languages -- SQL -- Part 14: XML-Related Specifications (SQL/XML) (reaffirmation of INCITS/ISO/IEC 9075-14:2016 [2017])
Defines ways in which Database Language SQL can be used in conjunction with XML.
Single copy price: $116.00
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Reaffirmation

INCITS/ISO/IEC 9796-2:2010 [R202x], Information technology - Security techniques - Digital signature schemes giving message recovery - Part 2: Integer factorization based mechanisms (reaffirmation of INCITS/ISO/IEC 9796-2:2010 [R2017])
Specifies three digital signature schemes giving message recovery, two of which are deterministic (non-randomized) and one of which is randomized. The security of all three schemes is based on the difficulty of factorizing large numbers. All three schemes can provide either total or partial message recovery. Specifies the method for key production for the three signature schemes. However, techniques for key management and for random number generation (as required for the randomized signature scheme), are outside the scope. The first mechanism specified is only applicable for existing implementations, and is retained for reasons of backward compatibility.
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Reaffirmation

INCITS/ISO/IEC 9797-3:2011 [R202x], Information technology - Security techniques - Message Authentication Codes (MACs) - Part 3: Mechanisms using a universal hash-function (reaffirmation of INCITS/ISO/IEC 9797-3:2011 [R2017])
Specifies the following Message Authentication Code (MAC) algorithms that use a secret key and a universal hash-function with an n-bit result to calculate an m-bit MAC based on the block ciphers specified in ISO/IEC 18033-3 and the stream ciphers specified in ISO/IEC 18033-4: UMAC; Badger; Poly1305-AES; GMAC.
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Reaffirmation

INCITS/ISO/IEC 9798-1:2010 [R202x], Information technology - Security techniques - Entity authentication - Part 1: General (reaffirmation of INCITS/ISO/IEC 9798-1:2010 [R2017])
Specifies an authentication model and general requirements and constraints for entity authentication mechanisms which use security techniques. These mechanisms are used to corroborate that an entity is the one that is claimed. An entity to be authenticated proves its identity by showing its knowledge of a secret. The mechanisms are defined as exchanges of information between entities and, where required, exchanges with a trusted third party. The details of the mechanisms and the contents of the authentication exchanges are given in subsequent parts of ISO/IEC 9798.
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Reaffirmation

INCITS/ISO/IEC 9798-6:2010 [R202x], Information technology - Security techniques - Entity authentication - Part 6: Mechanisms using manual data transfer (reaffirmation of INCITS/ISO/IEC 9798-6:2010 [R2017])
Specifies eight entity authentication mechanisms based on manual data transfer between authenticating devices. Four of these mechanisms are improved versions of mechanisms specified in ISO/IEC 9798-6:2005 since they use less user input and achieve more security. Such mechanisms can be appropriate in a variety of circumstances where there is no need for an existing public key infrastructure, shared secret keys or passwords. One such application occurs in personal networks, where the owner of two personal devices capable of wireless communications wishes them to perform an entity authentication procedure as part of the process of preparing them for use in the network. These mechanisms can also be used to support key management functions.
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Reaffirmation

INCITS/ISO/IEC 10373-5:2014 [R202x], Identification cards - Test methods - Part 5: Optical memory cards (reaffirmation of INCITS/ISO/IEC 10373-5:2014 [2017])
Defines test methods for characteristics of identification cards according to the definition given in ISO/IEC 7810. Each test method is cross-referenced to one or more base standards, which can be ISO/IEC 7810 or one or more of the supplementary standards that define the information storage technologies employed in identification cards applications.
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Reaffirmation

INCITS/ISO/IEC 10746-1:1998 [R202x], Information technology - Open Distributed Processing - Reference model: Overview (reaffirmation of INCITS/ISO/IEC 10746-1:1998 [R2017])
Gives an introduction and motivation for ODP; provides an overview of the RM-ODP and an explanation of its key concepts; gives guidance on the application of the RM-ODP.
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Reaffirmation

INCITS/ISO/IEC 10746-4:1998 [R202x], Information technology - Open Distributed Processing - Reference Model: Architectural semantics - Part 4: Architectural Semantics (reaffirmation of INCITS/ISO/IEC 10746-4:1998 [R2017])
Provides an architectural semantics for ODP.
Single copy price: $81.00
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Reaffirmation

INCITS/ISO/IEC 10746-4:1998/AM1:2001 [R202x], Information Technology - Open Distributed Processing - Reference Model: Architectural Semantics - Part 4 - Amendment 1: Computational Formalization (reaffirmation of INCITS/ISO/IEC 10746-4:1998/AM1:2001 [R2017])
Amendment 1 to ISO/IEC 10746-4:1998.
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Reaffirmation

INCITS/ISO/IEC 13211-1:1995 [R202x], Information technology - Prolog Language Standard - Part 1: General Core (reaffirmation of INCITS/ISO/IEC 13211-1:1995 [R2017])
Specifies: a) The representation of Prolog text, b) The syntax and constraints of the Prolog language, c) The semantic rules for interpreting Prolog text, d) the representation of input data to be processed by Prolog, e) The representation of output produced by Prolog, and f) The restrictions and limits imposed on a conforming Prolog processor.
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Reaffirmation

INCITS/ISO/IEC 13235-1:1998 [R202x], Information technology - Open Distributed Processing -Trading function: Specification - Part 1: Specification (reaffirmation of INCITS/ISO/IEC 13235-1:1998 [R2017])
An enterprise spec. for the trading function; an information spec. for the trading function; a computational spec. for traders; conformance requirements in terms of conformance points.
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Reaffirmation

INCITS/ISO/IEC 13235-3:1998 [R202x], Information technology - Open Distributed Processing - Trading Function - Part 3: Provision of Trading Function using OSI Directory service (reaffirmation of INCITS/ISO/IEC 13235-3:1998 [R2017])
Describes how the ODP trading Function can be realized using information entries and support mechanisms of the OSI Directory.
Single copy price: $93.00
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Reaffirmation

INCITS/ISO/IEC 13249-1:2016 [R202x], Information technology -- Database languages -- SQL multimedia and application packages -- Part 1: Framework (reaffirmation of INCITS/ISO/IEC 13249-1:2016 [2017])
Defines a number of packages of generic data types and table structures common to various kinds of data used in multimedia and application areas, to enable that data to be stored and manipulated in an SQL database. The package in each subject area is defined as a part of ISO/IEC 13249. This part defines those concepts, notations and conventions that are common to two or more other parts of ISO/IEC 13249. In particular, it describes the way parts of ISO/IEC 9075 are used to define the user-defined types and their behaviour and views as a representation of table structures appropriate to each subject area.
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Reaffirmation

INCITS/ISO/IEC 13249-3:2016 [R202x], Information technology -- Database languages -- SQL multimedia and application packages -- Part 3: Spatial (reaffirmation of INCITS/ISO/IEC 13249-3:2016 [2017])
Defines concepts specific to this part of ISO/IEC 13249 and defines spatial user-defined types and their associated routines.
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Reaffirmation

INCITS/ISO/IEC 13249-6:2006 [R202x], Information technology - Database languages - SQL multimedia and application packages - Part 6: Data mining (reaffirmation of INCITS/ISO/IEC 13249-6:2006 [R2017])
Defines a number of packages of generic data types common to various kinds of data used in multimedia and application areas, to enable that data to be stored and manipulated in an SQL database. Introduces the data-mining package, gives the necessary references, defines notations and conventions specific to this part, defines concepts specific to this part, and defines data mining user-defined types and their associated routines.
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Reaffirmation

INCITS/ISO/IEC 13818-3:1998 [R202x], Information Technology - Generic Coding of Moving Pictures and Associated Audio Information - Part 3: Audio (reaffirmation of INCITS/ISO/IEC 13818-3:1998 [R2017])
Specifies the extension of ISO/IEC 11172-3 to lower sampling frequencies, the coded representation of multilingual high quality audio for broadcasting, transmission and storage media, and the method for decoding of multichannel and multilingual high quality audio signals. The input of the encoder and the output of the decoder are compatible with existing PCM standards.
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Reaffirmation

INCITS/ISO/IEC 13818-6:1998 [R202x], Information technology - Generic coding of moving pictures and associated audio information - Part 6: Extensions for DSM-CC (reaffirmation of INCITS/ISO/IEC 13818-6:1998 [R2017])
Provides the general capability to browse, select, download, and control a variety of bit stream types. DSM-CC also provides a mechanism to manage network and application resources through the concept of a Session, an associated collection of resources required to deliver a Service. The Session complements a Service Domain, a collection of interfaces to browse and select services, and control the delivery of bit streams.
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Reaffirmation

INCITS/ISO/IEC 13818-9:1996 [R202x], Information technology - Generic coding of moving pictures and associated audio information - Part 9: Extension for real time interface for systems decoders (reaffirmation of INCITS/ISO/IEC 13818-9:1996 [R2017])
Indicates that the accuracy requirements in ISO/IEC 13818-1 for PCRs in Transport Streams is not changed by the requirements of this part of ISO/IEC 13818. All Transport Streams, whether or not they are delivered in accordance with the RTI shall comply with ISO/IEC 13818-1. Compliance with this part of ISO/IEC 13818 is not required for compliance with ISO/IEC 13818-1. This part of ISO/IEC 13818 does not change or supersede any of the requirements in ISO/IEC 13818-1.
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Reaffirmation

INCITS/ISO/IEC 13818-6:1998/AM3:2001 [R202x], Information technology - Generic coding of moving pictures and associated audio information - Part 6: Extensions for DSM-CC - Amendment 3: Transport buffer model in support of synchronized user-to-network download protocol (reaffirmation of INCITS/ISO/IEC 13818 -6:1998/AM3:2001 [R2017])
Amendment 3 to ISO/IEC 13818-6:1998.
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Reaffirmation

INCITS/ISO/IEC 13888-2:2010 [R202x], Information technology - Security techniques - Non-repudiation - Part 2: Mechanisms using symmetric techniques (reaffirmation of INCITS/ISO/IEC 13888-2:2010 [R2017])
The goal of the non-repudiation service is to generate, collect, maintain, make available and validate evidence concerning a claimed event or action in order to resolve disputes about the occurrence or non-occurrence of the event or action. Provides descriptions of generic structures that can be used for non-repudiation services, and of some specific communication-related mechanisms which can be used to provide non-repudiation of origin (NRO) and non-repudiation of delivery (NRD). Other non-repudiation services can be built using the generic structures described in this standard in order to meet the requirements defined by the security policy. Relies on the existence of a trusted third party (TTP) to prevent fraudulent repudiation or accusation.
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Reaffirmation

INCITS/ISO/IEC 14496-1:2010 [R202x], Information technology -- Coding of audio-visual objects -- Part 1: Systems (reaffirmation of INCITS/ISO/IEC 14496-1:2010 [R2017])
Specifies system level functionalities for the communication of interactive audio-visual scenes, i.e. the coded representation of information related to the management of data streams (synchronization, identification, description and association of stream content).
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Reaffirmation

INCITS/ISO/IEC 14496-2:2004 [R202x], Information technology - Coding of audio-visual objects - Part 2: Visual (reaffirmation of INCITS/ISO/IEC 14496-2:2004 [R2017])
Specifies the coded representation of picture information in the form of natural or synthetic visual objects like video sequences of rectangular or arbitrarily shaped pictures, moving 2D meshes, animated 3D face and body models and texture for synthetic objects. The coded representation allows for content based access for digital storage media, digital video communication and other applications.
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Reaffirmation

INCITS/ISO/IEC 14776-372:2011 [R202x], Information technology - Small Computer System Interface (SCSI) - Part 372: SCSI Enclosure Services - 2 (SES-2) (reaffirmation of INCITS/ISO/IEC 14776-372:2011 [R2017])
Documents the commands and parameters necessary to manage and sense the state of the power supplies, cooling devices, displays, indicators, individual drives, and other non-SCSI elements installed in an enclosure. The command set uses the SCSI SEND DIAGNOSTIC and RECEIVE DIAGNOSTIC RESULTS command to obtain configuration information for the enclosure and to set and sense standard bits for each type of element that may be installed in the enclosure.
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Reaffirmation

INCITS/ISO/IEC 15408-1:2009 [R202x], Information technology - Security techniques - Evaluation criteria for IT security - Part 1: Introduction and general model (reaffirmation of INCITS/ISO/IEC 15408-1:2009 [2012])
Establishes the general concepts and principles of IT security evaluation and specifies the general model of evaluation given by various parts of ISO/IEC 15408 which in its entirety is meant to be used as the basis for evaluation of security properties of IT products. It provides an overview of all parts of ISO/IEC 15408. It describes the various parts of ISO/IEC 15408; defines the terms and abbreviations to be used in all parts ISO/IEC 15408; establishes the core concept of a Target of Evaluation (TOE); the evaluation context; and describes the audience to which the evaluation criteria are addressed.
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Reaffirmation

INCITS/ISO/IEC 15938-1:2002 [R202x], Information technology - Multimedia content description interface - Part 1: Systems (reaffirmation of INCITS/ISO/IEC 15938-1:2002 [R2017])
Defines a Multimedia Content Description Interface, specifying a series of interfaces from system to application level to allow disparate systems to interchange information about multimedia content. It describes the architecture for systems, a language for extensions and specific applications, description tools in the audio and visual domains, as well as tools that are not specific to audio-visual domains. This part of ISO/IEC 15938 specifies system level functionalities for the communication of multimedia content descriptions.
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Reaffirmation

INCITS/ISO/IEC 15938-2:2002 [R202x], Information Technology - Multimedia Content Description Interface - Part 2: Description Definition Language (reaffirmation of INCITS/ISO/IEC 15938-2:2002 [R2017])
Specifies a metadata system for describing multimedia content. It specifies the Description Definition Language (DDL) that comprises part 2 of the standard (ISO/IEC 15938-2). The goal of this part of the MPEG-7 International Standard is to specify a language that will enable MPEG-7 users and developers to: create valid MPEG-7 description schemes and descriptors; develop tools such as editors and parsers for processing descriptions, description schemes and descriptors; generate refinements, extensions and modifications to the DDL. Describes the features of the DDL. It defines the syntax of the DDL constructs and datatypes and provides optional (informative) examples that illustrate the application of the DDL to the specification and instantiation of MPEG-7 descriptions.
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Reaffirmation

INCITS/ISO/IEC 15938-3:2002 [R202x], Information technology - Multimedia content description interface - Part 3: Visual (reaffirmation of INCITS/ISO/IEC 15938-3:2002 [R2017])
Specifies tools for description of visual content, including still images, video and 3D models. These tools are defined by their syntax in DDL and binary representations and semantics associated with the syntactic elements. They enable description of the visual features of the visual material, such as color, texture, shape and motion, as well as localization of the described objects in the image or video sequence. An overview of the visual description tools is shown in Figure 1.
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Reaffirmation

INCITS/ISO/IEC 15938-4:2002 [R202x], Information technology - Multimedia content description interface - Part 4: Audio (reaffirmation of INCITS/ISO/IEC 15938-4:2002 [R2017])
Defines a Multimedia Content Description Interface, specifying a series of interfaces from system to application level to allow disparate systems to interchange information about multimedia content. It describes the architecture for systems, a language for extensions and specific applications, description tools in the audio and visual domains, as well as tools that are not specific to audio-visual domains.
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Reaffirmation

INCITS/ISO/IEC 15944-8:2012 [R202x], Information technology - Business Operational View - Part 8: Identification of privacy protection requirements as external constraints on business transactions (reaffirmation of INCITS/ISO/IEC 15944-8:2012 [R2017])
Developed to support modelling generic international requirements for identifying and providing privacy protection of personal information throughout any kind of information and communications technology (ICT) based business transaction where the individual has the role of a buyer. It provides users and designers with a methodology and tools addressing requirements imposed by jurisdictional domains.
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Reaffirmation

INCITS/ISO/IEC 15946-5:2009 [R202x], Information technology - Security techniques - Cryptographic techniques based on elliptic curves - Part 5: Elliptic curve generation (reaffirmation of INCITS/ISO/IEC 15946 -5:2009 [R2017])
Defines the elliptic curve generation techniques useful for implementing the mechanisms defined in ISO/IEC 9796-3, ISO/IEC 11770-3, ISO/IEC 14888-3, and ISO/IEC 18033-2. Scope is restricted to cryptographic techniques based on elliptic curves defined over finite fields of prime power order (including the special cases of prime order and characteristic two). The representation of elements of the underlying finite field (i.e. which basis is used) is outside the scope. ISO/IEC 15946 does not specify the implementation of the techniques it defines. Interoperability of products complying with ISO/IEC 15946 will not be guaranteed.
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Reaffirmation

INCITS/ISO/IEC 18024-4:2006/AM1:2012 [R202x], Information technology - Synthetic Environment Data Representation and Interchange Specification (SEDRIS) Language Bindings - Part 4: C - Amendment 1 (reaffirmation of INCITS/ISO/IEC 18024-4:2006/AM1:2012 [R2017])
Amendment 1 to ISO/IEC 18024-4:2006.
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Reaffirmation

INCITS/ISO/IEC 18033-3:2010 [R202x], Information technology - Security techniques - Encryption algorithms - Part 3: Block ciphers (reaffirmation of INCITS/ISO/IEC 18033-3:2010 [R2017])
Specifies block ciphers. A block cipher is a symmetric encipherment system with the property that the encryption algorithm operates on a block of plaintext, i.e. a string of bits of a defined length, to yield a block of ciphertext.
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Reaffirmation

INCITS/ISO/IEC 18033-4:2011 [R202x], Information technology - Security techniques - Encryption algorithms - Part 4: Stream ciphers (reaffirmation of INCITS/ISO/IEC 18033-4:2011 [R2017])
Specifies output functions to combine a keystream with plaintext, keystream generators for producing keystream, and object identifiers assigned to dedicated keystream generators in accordance with ISO/IEC 9834.
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Reaffirmation

INCITS/ISO/IEC 19763-1:2015 [R202x], Information technology -- Metamodel framework for interoperability (MFI) -- Part 1: Framework (reaffirmation of INCITS/ISO/IEC 19763-1:2015 [2017])
Provides an overview of the whole of MFI. In particular, the purpose, the underlying concepts, the overall architecture and the requirements for the development of other standards within the MFI family are described.
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Reaffirmation

INCITS/ISO/IEC 19776-1:2015 [R202x], Information technology -- Computer graphics, image processing and environmental data representation -- Extensible 3D (X3D) encodings -- Part 1: Extensible Markup Language (XML) encoding (reaffirmation of INCITS/ISO/IEC 19776-1:2015 [2017])
Defines a system that integrates 3D graphics and multimedia. Conceptually, each X3D file is a 3D time-based space that contains graphic and aural objects that can be dynamically modified through a variety of mechanisms. This part of ISO/IEC 19776 defines a mapping of the abstract objects in X3D to a specific X3D encoding using the Extensible Markup Language.
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Reaffirmation

INCITS/ISO/IEC 19776-3:2015 [R202x], Information technology - Computer graphics, image processing and environmental data representation - Extensible 3D (X3D) encodings - Part 3: Compressed binary encoding (reaffirmation of INCITS/ISO/IEC 19776-3:2015 [2017])
Defines a system that integrates 3D graphics and multimedia. Conceptually, each X3D file is a 3D time-based space that contains graphic and aural objects that can be dynamically modified through a variety of mechanisms. This part of ISO/IEC 19776 defines a mapping of the abstract objects in X3D to a specific X3D encoding written out in a compact binary form.
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Reaffirmation

INCITS/ISO/IEC 19794-1:2006 [R202x], Information technology - Biometric data interchange formats - Part 1: Framework (reaffirmation of INCITS/ISO/IEC 19794-1:2006 [R2017])
Standardized biometric data interchange formats are crucial to the interoperability of biometric components. Describes general aspects of biometric data interchange formats and specifies requirements to be taken into account in standardizing specific formats. It classifies biometric data according to their processing level and establishes a naming concept for biometric data interchange formats on this basis.
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Reaffirmation

INCITS/ISO/IEC 19794-2:2005 [R202x], Information technology - Biometric data interchange formats - Part 2: Finger minutiae data (reaffirmation of INCITS/ISO/IEC 19794-2:2005 [R2017])
Specifies a concept and data formats for representation of fingerprints using the fundamental notion of minutiae. It is generic, in that it may be applied and used in a wide range of application areas where automated fingerprint recognition is involved. Contains definitions of relevant terms, a description of how minutiae shall be determined, data formats for containing the data for both general use and for use with cards, and conformance information.
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Reaffirmation

INCITS/ISO/IEC 19794-3:2006 [R202x], Information technology - Biometric data interchange formats - Part 3: Finger pattern spectral data (reaffirmation of INCITS/ISO/IEC 19794-3:2006 [R2017])
Specifies requirements for the representation of local or global spectral data derived from a fingerprint image. The format is designed to provide flexibility in the choice of spectral representation in that spectral components may be based on quantized co-sinusoidal triplets, Discrete Fourier Transformations or Gabor filters. The format also allows for a variable number of spectral components to be retained, which enables data representations in a form that is more compact than storage of the entire fingerprint image. Provides example data records for each of the spectral representations.
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Reaffirmation

INCITS/ISO/IEC 19794-4:2005 [R202x], Information technology - Biometric data interchange formats - Part 4: Finger image data (reaffirmation of INCITS/ISO/IEC 19794-4:2005 [R2017])
Specifies a data record interchange format for storing, recording, and transmitting the information from one or more finger or palm image areas within an ISO/IEC 19785-1 CBEFF data structure. This can be used for the exchange and comparison of finger image data. It defines the content, format, and units of measurement for the exchange of finger image data that may be used in the verification or identification process of a subject. The information consists of a variety of mandatory and optional items, including scanning parameters, compressed or uncompressed images and vendor-specific information.
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Reaffirmation

INCITS/ISO/IEC 19794-5:2005 [R202x], Information technology - Biometric data interchange formats - Part 5: Face image data (reaffirmation of INCITS/ISO/IEC 19794-5:2005 [R2017])
Specifies scene, photographic, digitization and format requirements for images of faces to be used in the context of both human verification and computer automated recognition. The approach to specifying scene and photographic requirements in this format is to carefully describe constraints on how a photograph should appear rather than to dictate how the photograph should be taken.
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Reaffirmation

INCITS/ISO/IEC 19794-6:2005 [R202x], Information technology - Biometric data interchange formats - Part 6: Iris image data (reaffirmation of INCITS/ISO/IEC 19794-6:2005 [R2017])
Specifies two alternative image interchange formats for biometric authentication systems that utilize iris recognition. The first is based on a rectilinear image storage format that may be a raw, uncompressed array of intensity values or a compressed format such as that specified by ISO/IEC 15444.
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Reaffirmation

INCITS/ISO/IEC 19794-7:2007 [R202x], Information technology - Biometric data interchange formats - Part 7: Signature/sign time series data (reaffirmation of INCITS/ISO/IEC 19794-7:2007 [R2017])
Specifies two data interchange formats for signature/sign behavioural data captured in the form of time series using devices such as digitizing tablets or advanced pen systems. One data interchange format is for general use and the other one is a compact format for use with smart cards or other tokens. Both data interchange formats can be used for both acquired signature/sign samples (serving as a starting point for feature extraction) and for time-series features (to be compared directly by time-series based comparison algorithms).
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Reaffirmation

INCITS/ISO/IEC 19794-9:2007 [R202x], Information technology - Biometric data interchange formats - Part 9: Vascular image data (reaffirmation of INCITS/ISO/IEC 19794-9:2007 [R2017])
Defines the exchange of human vascular biometric image information. It defines a specific definition of attributes, a data record format for storing and transmitting vascular biometric images and certain attributes, a sample record and conformance criteria. Intended for applications requiring the exchange of raw or processed vascular biometric images. It is intended for applications not limited by the amount of storage required. It is a compromise or a trade-off between the resources required for data storage or transmission and the potential for improved data quality/accuracy.
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Reaffirmation

INCITS/ISO/IEC 19794-10:2007 [R202x], Information technology - Biometric data interchange formats - Part 10: Hand geometry silhouette data (reaffirmation of INCITS/ISO/IEC 19794-10:2007 [R2017])
Specifies a data record interchange format for storing, recording and transmitting the information from one or more hand silhouettes within a Common Biometric Exchange Formats Framework (CBEFF) data structure. It defines the content, format and units of measurement for the exchange of hand silhouette data that may be used in the verification or identification process of a subject.
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Reaffirmation

INCITS/ISO/IEC 27033-1:2015 [R202x], Information technology - Security techniques - Network security - Part 1: Overview and concepts (reaffirmation of INCITS/ISO/IEC 27033-1:2015 [2017])
Provides an overview of network security and related definitions. It defines and describes the concepts associated with, and provides management guidance on, network security. (Network security applies to the security of devices, security of management activities related to the devices, applications/services, and end-users, in addition to security of the information being transferred across the communication links.)
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Reaffirmation

INCITS/ISO/IEC 27033-3:2010 [R202x], Information technology - Security techniques - Network security - Part 3: Reference networking scenarios - Threats, design techniques and control issues (reaffirmation of INCITS/ISO/IEC 27033-3:2010 [R2017])
Describes the threats, design techniques and control issues associated with reference network scenarios. For each scenario, it provides detailed guidance on the security threats and the security design techniques and controls required to mitigate the associated risks. Where relevant, it includes references to ISO/IEC 27033-4 to ISO/IEC 27033-6 to avoid duplicating the content of those documents. The information is for use when reviewing technical security architecture/design options and when selecting and documenting the preferred technical security architecture/design and related security controls, in accordance with ISO/IEC 27033-2.
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Reaffirmation

INCITS/ISO/IEC 6937:2001 [R202x], Information technology - Coded graphic character set for text communication - Latin alphabet (reaffirmation of INCITS/ISO/IEC 6937:2001 [R2017])
This standard a) specifes the coded representation of the character; b) specifies a repertoire of the Latin alphabetic and non-alphabetic characters for the communication of text in many European languages using the Lating script; c) specifies rules for the definitions and use of graphic character subrepertoires, i.e., subsets of the specified character repertoire.
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Reaffirmation

INCITS/ISO/IEC 10030:1995 [R202x], Information technology - Telecommunications and information exchange between systems - End System Routeing Information Exchange Protocol for use in conjunction with ISO/IEC 8878 (reaffirmation of INCITS/ISO/IEC 10030:1995 [R2017])
Defines a protocol for the exchange of routeing information between an End System and a Subnetwork Address Resolution Entity, and between an Intermediate System and a Subnetwork Address Resolution Entity. Applicable to: End Systems which operate according to the main body of ISO/IEC 8878 to provide and support the OSI Connection-mode Network Service using ISO/IEC 8208; Subnetwork Address Resolution Entities which operate ISO/IEC 8208; Intermediate Systems which operate ISO/IEC 8208.
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Reaffirmation

INCITS/ISO/IEC 10589:2002 [R202x], Information technology - Intermediate System to Intermediate System Intra-Domain-Routeing Routine Information Exchange Protocol for Use in Conjunction with the Protocol for Providing the Connectionless-mode Network Service (ISO 8473) (reaffirmation of INCITS/ISO/IEC 10589:2002 [R2017])
Specifies a protocol which is used by Network Layer entities operating the protocol specified in ISO 8473 in Intermediate Systems to maintain routeing information for the purpose of routeing within a single routeing domain. The protocol specified in this International standard relies upon the provision of a connectionless-mode underlying service.
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Reaffirmation

INCITS/ISO/IEC 13568:2002 [R202x], Information technology - Z formal specification notation - Syntax, type system and semantics (reaffirmation of INCITS/ISO/IEC 13568:2002 [R2017])
The following are within the scope of this International Standard: the syntax of the Z notation; the type system of the Z notation; the semantics of the Z notation; a toolkit of widely used mathematical operators; L A T E X [10] and e-mail mark-up.
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Reaffirmation

INCITS/ISO/IEC 16680:2012 [R202x], Information technology - The Open Group Service Integration Maturity Model (OSIMM) (reaffirmation of INCITS/ISO/IEC 16680:2012 [R2017])
The Open Group Service Integration Maturity Model (OSIMM) specifies: a model against which the degree of service integration maturity of an organization can be assessed, and a process for assessing the current and desired degree of service integration maturity of an organization, using the model.
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Reaffirmation

INCITS/ISO/IEC 17788:2014 [R202x], Information technology - Cloud computing - Overview and vocabulary (reaffirmation of INCITS/ISO/IEC 17788:2014 [2017])
Provides an overview of cloud computing along with a set of terms and definitions. It is a terminology foundation for cloud computing standards and is applicable to all types of organizations (e.g., commercial enterprises, government agencies, not-for-profit organizations).
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Reaffirmation

INCITS/ISO/IEC 17789:2014 [R202x], Information technology - Cloud computing - Reference architecture (reaffirmation of INCITS/ISO/IEC 17789:2014 [2017])
Specifies the cloud computing reference architecture (CCRA). The reference architecture includes the cloud computing roles, cloud computing activities, and the cloud computing functional components and their relationships.
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Reaffirmation

INCITS/ISO/IEC 17823:2015 [R202x], Colour terminology for office colour equipment (reaffirmation of INCITS/ISO/IEC 17823:2015 [2017])
Provides definitions for colour terms used with office equipment, in particular for use with colour scanning and printing devices that have digital imaging capabilities, including multi-function devices. This standard is not intended to replace terms and definitions published in documents or user interfaces issued or created by manufacturers.
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Reaffirmation

INCITS/ISO/IEC 18031:2011 [R202x], Information technology - Security techniques - Random bit generation (reaffirmation of INCITS/ISO/IEC 18031:2011 [R2017])
Specifies a conceptual model for a random bit generator for cryptographic purposes, together with the elements of this model. Specifies the characteristics of the main elements required for a non-deterministic random bit generator, specifies the characteristics of the main elements required for a deterministic random bit generator, establishes the security requirements for both the non-deterministic and the deterministic random bit generator. Where there is a requirement to produce sequences of random numbers from random bit strings, this standard gives guidelines on how this can be performed.
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Reaffirmation

INCITS/ISO/IEC 18180:2013 [R202x], Information Technology - Specification For The Extensible Configuration Checklist Description Format (XCCDF) Version 1.2 (reaffirmation of INCITS/ISO/IEC 18180:2013 [2017])
Specifies the data model and Extensible Markup Language (XML) representation for the Extensible Configuration Checklist Description Format (XCCDF) Version 1.2. An XCCDF document is a structured collection of security configuration rules for some set of target systems. The XCCDF specification is designed to support information interchange, document generation, organizational and situational tailoring, automated compliance testing, and scoring. ISO/IEC 18180:2013 also defines a data model and format for storing results of security guidance or checklist testing. The intent of XCCDF is to provide a uniform foundation for expression of security checklists and other configuration guidance, and thereby foster more widespread application of good security practices.
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Reaffirmation

INCITS/ISO/IEC 19395:2015 [R202x], Information technology - Sustainability for and by information technology - Smart data centre resource monitoring and control (reaffirmation of INCITS/ISO/IEC 19395:2015 [2017])
Provides Messages that facilitate integrated or "smart" monitoring and control of Resources in those islands. The Messages are exchanged between the Management Function and Resources. ISO/IEC 19395:2015 acknowledges that those Resources may be composed of other Resources (e.g. a rack may contain servers, ventilators, etc.). In addition, e.g. those servers may be viewed from their computing, energy consumption or dissipation aspects which ISO/IEC 19395:2015 models as Resource Components and groups into IT, power and fluid Domains, respectively.
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Reaffirmation

INCITS/ISO/IEC 19464:2014 [R202x], Information Technology - Advanced Message Queuing Protocol (AMQP) V1.0 Specification (reaffirmation of INCITS/ISO/IEC 19464:2014 [2017])
Defines the Advanced Message Queuing Protocol (AMQP), an open internet protocol for business messaging. It defines a binary wire-level protocol that allows for the reliable exchange of business messages between two parties. AMQP has a layered architecture and the specification is organized as a set of parts that reflects that architecture.
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Reaffirmation

INCITS/ISO/IEC 19510:2013 [R202x], Information technology - Object Management Group Business Process Model and Notation (reaffirmation of INCITS/ISO/IEC 19510:2013)
Provide a notation that is readily understandable by all business users, from the business analysts that create the initial drafts of the processes, to the technical developers responsible for implementing the technology that will perform those processes, and finally, to the business people who will manage and monitor those processes. Thus, ISO/IEC 19510:2013 creates a standardized bridge for the gap between the business process design and process implementation.
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Reaffirmation

INCITS/ISO/IEC 19678:2015 [R202x], Information Technology - BIOS Protection Guidelines (reaffirmation of INCITS/ISO/IEC 19678:2015 [2017])
Provides requirements and guidelines for preventing the unauthorized modification of Basic Input/Output System (BIOS) firmware on PC client systems. Unauthorized modification of BIOS firmware by malicious software constitutes a significant threat because of the BIOS's unique and privileged position within the PC architecture. A malicious BIOS modification could be part of a sophisticated, targeted attack on an organization ?either a permanent denial of service (if the BIOS is corrupted) or a persistent malware presence (if the BIOS is implanted with malware).
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Reaffirmation

INCITS/ISO/IEC 19773:2011 [R202x], Information technology - Metadata Registries (MDR) modules (reaffirmation of INCITS/ISO/IEC 19773:2011 [R2017])
Specifies small modules of data that can be used or reused in applications. These modules have been extracted from ISO/IEC 11179-3, ISO/IEC 19763, and OASIS EBXML, and have been refined further. These modules are intended to harmonize with current and future versions of the ISO/IEC 11179 series and the ISO/IEC 19763 series.
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Reaffirmation

INCITS/ISO/IEC 19792:2009 [R202x], Information technology - Security techniques - Security evaluation of biometrics (reaffirmation of INCITS/ISO/IEC 19792:2009 [R2017])
Specifies the subjects to be addressed during a security evaluation of a biometric system. It covers the biometric-specific aspects and principles to be considered during the security evaluation of a biometric system. It does not address the non-biometric aspects which might form part of the overall security evaluation of a system using biometric technology (e.g. requirements on databases or communication channels).
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Reaffirmation

INCITS/ISO/IEC 19831:2015 [R202x], Cloud Infrastructure Management Interface (CIMI) Model And RESTful HTTP-Based Protocol - An Interface For Managing Cloud Infrastructure (reaffirmation of INCITS/ISO/IEC 19831:2015 [2017])
Describes the model and protocol for management interactions between a cloud Infrastructure as a Service (IaaS) Provider and the Consumers of an IaaS service. The basic resources of IaaS (machines, storage, and networks) are modeled with the goal of providing Consumer management access to an implementation of IaaS and facilitating portability between cloud implementations that support the specification. This document specifies a Representational State Transfer (REST)-style protocol using HTTP. However, the underlying model is not specific to HTTP, and it is possible to map it to other protocols as well.
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Reaffirmation

INCITS/ISO/IEC 24745:2011 [R202x], Information technology - Security techniques - Biometric information protection (reaffirmation of INCITS/ISO/IEC 24745:2011 [R2017])
Provides guidance for the protection of biometric information under various requirements for confidentiality, integrity and renewability/revocability during storage and transfer. Additionally provides requirements and guidelines for the secure and privacy-compliant management and processing of biometric information.
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Reaffirmation

INCITS/ISO/IEC 24790:2017 [R202x], Information technology - Office equipment - Measurement of image quality attributes for hardcopy output - Monochrome text and graphic images (reaffirmation of INCITS/ISO/IEC 24790:2017 [2017])
Specifies device-independent image quality attributes, measurement methods and analytical procedures to describe the quality of output images from hardcopy devices. This document is applicable to human-readable monochrome documents produced from printers and copiers.
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Reaffirmation

INCITS/ISO/IEC 26300:2006 [R202x], Information technology - Open Document Format for Office Applications(OpenDocument) v1.0 (reaffirmation of INCITS/ISO/IEC 26300:2006 [R2017])
Defines an XML schema for office applications and its semantics. The schema is suitable for office documents, including text documents, spreadsheets, charts and graphical documents like drawings or presentations, but is not restricted to these kinds of documents. Provides for high-level information suitable for editing documents. It defines suitable XML structures for office documents and is friendly to transformations using XSLT or similar XML-based tools.
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Reaffirmation

INCITS/ISO/IEC 27003:2017 [R202x], Information technology - Security techniques - Information security management systems - Guidance (reaffirmation of INCITS/ISO/IEC 27003:2017 [2017])
Provides explanation and guidance on ISO/IEC 27001:2013.
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Reaffirmation

INCITS/ISO/IEC 27006:2015 [R202x], Information technology - Security techniques - Requirements for bodies providing audit and certification of information security management systems (reaffirmation of INCITS/ISO/IEC 27006:2015 [2017])
Specifies requirements and provides guidance for bodies providing audit and certification of an information security management system (ISMS), in addition to the requirements contained within ISO/IEC 17021-1 and ISO/IEC 27001. It is primarily intended to support the accreditation of certification bodies providing ISMS certification.
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Reaffirmation

INCITS/ISO/IEC 27010:2015 [R202x], Information technology - Security techniques - Information security management for inter-sector and inter-organizational communications (reaffirmation of INCITS/ISO/IEC 27010:2015 [2017])
Provides guidelines in addition to the guidance given in the ISO/IEC 27000 family of standards for implementing information security management within information sharing communities. Provides controls and guidance specifically relating to initiating, implementing, maintaining, and improving information security in inter-organizational and inter-sector communications. It provides guidelines and general principles on how the specified requirements can be met using established messaging and other technical methods.
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Reaffirmation

INCITS/ISO/IEC 27039:2015 [R202x], Information technology - Security techniques - Selection, deployment and operations of intrusion detection and prevention systems (IDPS) (reaffirmation of INCITS/ISO/IEC 27039:2015 [2017])
Provides guidelines to assist organizations in preparing to deploy intrusion detection and prevention systems (IDPS). In particular, it addresses the selection, deployment, and operations of IDPS. It also provides background information from which these guidelines are derived.
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Reaffirmation

INCITS/ISO/IEC 27040:2015 [R202x], Information technology - Security techniques - Storage security (reaffirmation of INCITS/ISO/IEC 27040:2015 [2017])
Provides detailed technical guidance on how organizations can define an appropriate level of risk mitigation by employing a well-proven and consistent approach to the planning, design, documentation, and implementation of data storage security. Storage security applies to the protection (security) of information where it is stored and to the security of the information being transferred across the communication links associated with storage. Storage security includes the security of devices and media, the security of management activities related to the devices and media, the security of applications and services, and security relevant to end-users during the lifetime of devices and media and after end of use.
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Reaffirmation

INCITS/ISO/IEC 27041:2015 [R202x], Information technology - Security techniques - Guidance on assuring suitability and adequacy of incident investigative method (reaffirmation of INCITS/ISO/IEC 27041:2015 [2017])
Provides guidance on mechanisms for ensuring that methods and processes used in the investigation of information security incidents are "fit for purpose". It encapsulates best practice on defining requirements, describing methods, and providing evidence that implementations of methods can be shown to satisfy requirements. It includes consideration of how vendor and third-party testing can be used to assist this assurance process.
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Reaffirmation

INCITS/ISO/IEC 27043:2015 [R202x], Information technology - Security techniques - Incident investigation principles and processes (reaffirmation of INCITS/ISO/IEC 27043:2015 [2017])
Provides guidelines based on idealized models for common incident investigation processes across various incident investigation scenarios involving digital evidence. This includes processes from pre-incident preparation through investigation closure, as well as any general advice and caveats on such processes. The guidelines describe processes and principles applicable to various kinds of investigations, including, but not limited to, unauthorized access, data corruption, system crashes, or corporate breaches of information security, as well as any other digital investigation.
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Reaffirmation

INCITS/ISO/IEC 29100:2011 [R202x], Information technology - Security techniques - Privacy framework (reaffirmation of INCITS/ISO/IEC 29100:2011 [R2017])
Provides a privacy framework which specifies a common privacy terminology; defines the actors and their roles in processing personally identifiable information (PII); describes privacy safeguarding considerations; and provides references to known privacy principles for information technology. Applicable to natural persons and organizations involved in specifying, procuring, architecting, designing, developing, testing, maintaining, administering, and operating information and communication technology systems or services where privacy controls are required for the processing of PII.
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Reaffirmation

INCITS/ISO/IEC 29102:2015 [R202x], Information technology - Office equipment - Method for the determination of ink cartridge photo yield for colour printing with inkjet printers and multi-function devices that contain inkjet printer components (reaffirmation of INCITS/ISO/IEC 29102:2015 [2017])
Provides a method to determine the ink cartridge photo yield of ink-containing cartridges (i.e. integrated ink cartridges and ink cartridges without integrated print heads) for colour photo printing with colour inkjet printers and multi-function devices that contain inkjet printer components. Ink cartridge yields determined on one printer model, paper and cartridge configuration are not applicable to another printer model or cartridge configuration even if the ink jet cartridges used in testing are the same.
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Reaffirmation

INCITS/ISO/IEC 29103:2011 [R202x], Information technology - Office equipment - Colour photo test pages for measurement of ink cartridge yield for colour photo printing (reaffirmation of INCITS/ISO/IEC 29103:2011 [R2017])
Defines a set of test images in a common file format, JPEG, that are used in the testing of cartridge yield for printing of photographs. The defined documents are used in ISO/IEC 29102 to determine the photo yield of cartridges in an inkjet-based printing system.
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Reaffirmation

INCITS/ISO/IEC 29128:2011 [R202x], Information technology - Security techniques - Verification of cryptographic protocols (reaffirmation of INCITS/ISO/IEC 29128:2011 [R2017])
Establishes a technical base for the security proof of the specification of cryptographic protocols. It specifies design evaluation criteria for these protocols, as well as methods to be applied in a verification process for such protocols. It also provides definitions of different protocol assurance levels consistent with evaluation assurance components in ISO/IEC 15408.
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Reaffirmation

INCITS/ISO/IEC 29136:2012 [R202x], Information Technology - User Interfaces - Accessibility Of Personal Computer Hardware (reaffirmation of INCITS/ISO/IEC 29136:2012 [R2017])
Provides requirements and recommendations for the accessibility of personal computer hardware, to be used when planning, developing, designing and distributing these computers. While it does not cover the behaviour of, or requirements for, assistive technologies, it does address connectivity of assistive technologies as an integrated component of interactive systems. Some requirements or recommendations require software support; however, requirements and recommendations that solely focus on software are not included.
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Reaffirmation

INCITS/ISO/IEC 29150:2011 [R202x], Information technology - Security techniques - Signcryption (reaffirmation of INCITS/ISO/IEC 29150:2011 [R2017])
Specifies four mechanisms for signcryption that employ public key cryptographic techniques requiring both the originator and the recipient of protected data to have their own public and private key pairs. The specified methods have been designed to maximize the level of security and provide efficient processing of data. All the mechanisms defined have mathematical "proofs of security", i.e. rigorous arguments supporting their security claims. Is not applicable to infrastructures for management of public keys which are defined in ISO/IEC 11770-1 and ISO/IEC 9594.
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Reaffirmation

INCITS/ISO/IEC 38500:2015 [R202x], Information technology - Governance of IT for the organization (reaffirmation of INCITS/ISO/IEC 38500:2015 [2017])
Provides guiding principles for members of governing bodies of organizations (which can comprise owners, directors, partners, executive managers, or similar) on the effective, efficient, and acceptable use of information technology (IT) within their organizations. It also provides guidance to those advising, informing, or assisting governing bodies.
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Stabilized Maintenance

INCITS 483-2012 [S202x], Information Technology - Virtualization Management Specification (stabilized maintenance of INCITS 483-2012 [R2017])
The information in this standard should be sufficient for a provider or consumer of this data to unambiguously identify the classes, properties, methods, and values that shall be instantiated to subscribe, advertise, produce, or consume an indication using the DMTF Common Information Model (CIM) Schema. The target audience for this standard is implementers who are writing CIM-based providers or consumers of management interfaces that represent the components described in this document.
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Stabilized Maintenance

INCITS 495-2012 [S202x], Information Technology -- Platform Management Specification, Volumes 1 And 2 (stabilized maintenance of INCITS 495-2012 [R2017])
The Platform Management Specification describes an open, secure, portable, efficient and extensible infrastructure for management of physical systems. The key properties of Platform Management Specification are as follows: It provides a top-level object model needed for the representation of physical platforms or systems and the discovery of physical computer systems; It specifies services for the manipulation of physical computer systems and their components, including operations for the boot control, software update, power control, power utilization management, text console, etc.
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Stabilized Maintenance

INCITS 496-2012 [S202x], Information Technology - Fibre Channel - Security Protocols - 2 (FC-SP-2) (stabilized maintenance of INCITS 496-2012 [R2017])
Describes the protocols used to implement security in a Fibre Channel fabric. This standard includes the definition of protocols to authenticate Fibre Channel entities, protocols to set up session keys, protocols to negotiate the parameters required to ensure frame-by-frame integrity and confidentiality, and protocols to establish and distribute policies across a Fibre Channel fabric.
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ITI (INCITS) (InterNational Committee for Information Technology Standards)

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

Stabilized Maintenance

INCITS 498-2012 [S202x], Information Technology - CIM Representations Of Management Specification (stabilized maintenance of INCITS 498-2012 [R2017])
The information in this standard should be sufficient for a provider or consumer of this data to unambiguously identify the classes properties methods and values that shall be instantiated to subscribe advertise produce or consume an indication using the DMTF Common Information Model CIM Schema The target audience for this standard is implementers who are writing CIM based providers or consumers of management interfaces that represent the components described in this document.
Single copy price: $60.00
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: July 12, 2022

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

Stabilized Maintenance

INCITS/ISO/IEC 18023-1:2006/AM1:2012 [S202x], Information technology - SEDRIS - Part 1: Functional specification - Amendment 1 (stabilized maintenance of INCITS/ISO/IEC 18023-1:2006/AM1:2012 [R2017])
Amendment 1 to ISO/IEC 18023-1:2006.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org/
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ITI (INCITS) (InterNational Committee for Information Technology Standards)

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

Stabilized Maintenance

INCITS/ISO/IEC 18023-3:2006/AM 1:2012 [S202x], Information Technology - Synthetic Environment Data Representation And Interchange Specification (SEDRIS): Part 3: Transmittal Format Binary Encoding - Amendment 1 (stabilized maintenance of INCITS/ISO/IEC 18023-3:2006/AM 1:2012 [R2017])
Amendment 1 to ISO/IEC 18023-3:2006.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
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ITI (INCITS) (InterNational Committee for Information Technology Standards)

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

Stabilized Maintenance

INCITS/ISO/IEC 18042-4:2006/AM1:2011 [S202x], Information technology - Computer graphics and image processing - Spatial Reference Model (SRM) language bindings - Part 4: C - Amendment 1 (stabilized maintenance of INCITS/ISO/IEC 18042-4:2006/AM1:2011 [R2017])
Amendment 1 to ISO/IEC 18042-4:2006.
Single copy price: $60.00
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: July 12, 2022

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 | Susan.P.Malohn@ul.org, https://ul.org/

National Adoption

BSR/UL 62446-1-202x, Photovoltaic (PV) Systems - Requirements for Testing, Documentation and Maintenance - Part 1: Grid Connected Systems - Documentation, Commissioning Tests and Inspection (national adoption with modifications of IEC 62446-1)
1. First Edition of the UL IEC-Based Standard for Photovoltaic (PV) Systems - Requirements for Testing, Documentation and Maintenance - Part 1: Grid Connected Systems - Documentation, Commissioning Tests and Inspection, UL 62446-1, Including Amendment 1 (2018-08).
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 | Susan.P.Malohn@ul.org, https://ul.org/

National Adoption

BSR/UL 62446-2-202x, Photovoltaic (PV) Systems - Requirements for Testing, Documentation and Maintenance - Part 2: Grid Connected Systems - Maintenance of PV Systems (national adoption with modifications of IEC 62446-2)
1. First Edition of the UL IEC-Based Standard for Photovoltaic (PV) Systems - Requirements for Testing, Documentation and Maintenance - Part 2: Grid Connected Systems – Maintenance of PV Systems, UL 62446 -2.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
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UL (Underwriters Laboratories)

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

New Standard

BSR/UL 495-202x, Standard for Safety for Power-Operated LP-Gas Dispensing Equipment (new standard)
These requirements cover power-operated equipment for dispensing liquefied petroleum gas into the fuel storage container of a vehicle where the gas is primarily used as an engine fuel. The electrical features of power-operated dispensers are as described as follows: In the United States: UL 1238 - Standard for Control Equipment for Use with Flammable Liquid and LP-Gas Dispensing Devices and In Canada - CSA C22.2 No. 22, Electrical equipment for flammable and combustible fuel dispensers.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: July 12, 2022

UL (Underwriters Laboratories)

171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada | kevin.hf.wu@ul.org, https://ul.org/

Revision

BSR/UL 268-202x, Standard for Safety for Smoke Detectors for Fire Alarm Systems (revision of ANSI/UL 268 -2021)
Proposed new edition is a binational standard with CAN/ULC-S529 that will incorporate requirements for Canada and the United States. The harmonized requirements include five types of controlled fire tests as the standard for both the U.S. and Canada, the use of one fire test room and smoke test chamber (smoke box), new requirements for air-sampling type (aspirated) smoke detectors, revised daily temperature cycling requirements for electronic components and microelectric circuits, and removal of the 90-day stability test.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: July 12, 2022

UL (Underwriters Laboratories)

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

Revision

BSR/UL 1370-202x, Standard for Safety for Unvented Alcohol Fuel Burning Decorative Appliances (revision of ANSI/UL 1370-2016)

1 Scope 1.1 These requirements apply to factory-built unvented decorative appliances, that burn liquid or gelled alcohol-based fuels, and are intended to be fixed, non-moveable appliances, including only the following: a) Floor-mounted appliances; b) Wall-mounted appliances; c) Free-standing appliances d) Fireplace grates installed in existing masonry fireplaces, and rated below 40,000 Btu/h (11.7 kW) output; and e) Appliance combustion chambers installed into site-built enclosures. NOTE 1: In Canada, the ethyl alcohol and isopropyl alcohol fuels for use with these products are to meet the Health Canada Consumer Chemicals and Containers Regulations. NOTE 2: The Authority Having Jurisdiction (AHJ) may require that fuel containers used to refill these appliances be fitted with a device that conforms to the requirements of ASTM F3429/F3429M, Standard Specification for Performance of Flame Mitigation Devices Installed in Disposable and Pre-Filled Flammable Liquid Containers. 1.2 These appliances are intended to be decorative in nature and not intended to be utilized as a primary heat source. These appliances are limited to a maximum fuel input rate of 0.25 US gal/h (0.95 L/h). 1.3 Floor-mounted, wall-mounted and free-standing appliances include an integral enclosure, fire chamber and fuel reservoir, or combination unit, and provision for refueling. 1.4 These appliances are not intended for: a) Use with fuel oils, kerosene, gasoline, and other non-alcohols; b) Use in spaces in which flammable vapors or gases may be present; c) Use as cooking appliances; d) Use in conjunction with blower assemblies; e) Installation in a bathroom; or f) Installation in a room where sleeping accommodation is provided. 1.5 These appliances are intended for installation in occupancies where use is permitted by local codes, such as: a) NFPA 1, Uniform Fire Code; b) NFPA 101, Life Safety Code; c) The National Building Code of Canada; and d) The National Fire Code of Canada, as applicable.

Single copy price: Free

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

Order from: http://www.shopulstandards.com

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Technical Reports Registered with ANSI

Technical Reports Registered with ANSI are not consensus documents. Rather, all material contained in Technical Reports Registered with ANSI is informational in nature. Technical reports may include, for example, reports of technical research, tutorials, factual data obtained from a survey carried out among standards developers and/or national bodies, or information on the "state of the art" in relation to standards of national or international bodies on a particular subject.
Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to (psa@ansi.org).

AAMI (Association for the Advancement of Medical Instrumentation)

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

New Technical Report

AAMI/ISO TIR11137-4, Sterilization of health care products - Radiation - Part 4: Guidance on process control (technical report)
Provides additional guidance to that given in ISO 11137-3 on meeting the requirements specified in ISO 11137-1, ISO 11137-2 and ISO/TS 13004 for the establishment and control of a radiation sterilization process using gamma, electron beam, and X-irradiation.
Single copy price: $258 list/$145 member
Order from: https://store.aami.org/s/store

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:

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 | kcarlson@ahrinet.org, www.ahrinet.org

BSR/AHRI Standard 1340-202x, Performance Rating of Fluid Pumps (new standard)
Inquiries may be directed to Kristin Carlson; kcarlson@ahrinet.org

Notice of Withdrawal: ANS at least 10 years past approval date

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 | kcarlson@ahrinet.org, www.ahrinet.org

ANSI/AHRI Standard 280-2012, Requirements for the Qualification of Reverberation Rooms in the 63 Hz Octave Band

Notice of Withdrawal: ANS at least 10 years past approval date

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 | kcarlson@ahrinet.org, www.ahrinet.org

ANSI/AHRI Standard 491-2011, Performance Rating of Remote Mechanical-Draft Evaporatively-Cooled Refrigerant Condensers

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 | kcarlson@ahrinet.org, www.ahrinet.org

ANSI/AHRI Standard 1320-2011, Performance Rating of Commercial Refrigerated Display Merchandisers and Storage Cabinets for Use with Secondary Refrigerants

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 | kcarlson@ahrinet.org, www.ahrinet.org

ANSI/AHRI Standard 1321-2011, Performance Rating of Commercial Refrigerated Display Merchandisers and Storage Cabinets for Use with Secondary Refrigerants

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.

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 | kcarlson@ahrinet.org, www.ahrinet.org

ANSI/AHRI Standard 570 (I-P)-2013, Performance Rating of Remote Mechanical-Draft Evaporatively-Cooled Refrigerant Condensers
Questions may be directed to: Kristin Carlson; kcarlson@ahrinet.org

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 | kcarlson@ahrinet.org, www.ahrinet.org

ANSI/AHRI Standard 571 (SI)-2013, Performance Rating of Remote Mechanical-Draft Evaporatively-Cooled Refrigerant Condensers
Questions may be directed to: Kristin Carlson; kcarlson@ahrinet.org

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 | kcarlson@ahrinet.org, www.ahrinet.org

ANSI/AHRI Standard 1360 (I-P)-2016, Performance Rating of Computer and Data Processing Room Air Conditioners
Questions may be directed to: Kristin Carlson; kcarlson@ahrinet.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201 | kcarlson@ahrinet.org, www.ahrinet.org

ANSI/AHRI Standard 1361 (SI)-2016, Performance Rating of Computer and Data Processing Room Air Conditioners
Questions may be directed to: Kristin Carlson; kcarlson@ahrinet.org

Final Actions on American National Standards

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

AAFS (American Academy of Forensic Sciences)

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

New Standard

ANSI/ASB Std 138-2022, Standard for Collection of Known DNA Samples from Domestic Mammals (new standard) Final Action Date: 5/4/2022

ACI (American Concrete Institute)

38800 Country Club Drive, Farmington Hills, MI 48331 | shannon.banchero@concrete.org, www.concrete.org

Revision

ANSI/ACI CODE-562-2021, ACI CODE-562-202x, Assessment, Repair, and Rehabilitation of Existing Concrete Buildings--Code Requirements and Commentary (revision and redesignation of ANSI/ACI 562-2020) Final Action Date: 5/6/2022

AISC (American Institute of Steel Construction)

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

Revision

ANSI/AISC 303-2022, Code of Standard Practice for Steel Buildings and Bridges (revision of ANSI/AISC 303-2016) Final Action Date: 5/9/2022

AISI (American Iron and Steel Institute)

25 Massachusetts Avenue, NW, Suite 800, Washington, DC 20001 | jlarson@steel.org, www.steel.org

Supplement

ANSI/AISI S250-21/S1-2022, Supplement 1 to the 2021 Edition of the North American Standard for Thermal Transmittance of Building Envelopes with Cold-Formed Steel Framing (supplement to ANSI/AISI S250-2021) Final Action Date: 5/9/2022

ANS (American Nuclear Society)

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

Revision

ANSI/ANS 8.7-2022, Nuclear Criticality Safety in the Storage of Fissile Materials (revision of ANSI/ANS 8.7-1998 (R2017)) Final Action Date: 5/6/2022

ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.frazier@x9.org, www.x9.org

Revision

ANSI X9.143-2022, Interoperable Secure Key Exchange Key Block Specification for Symmetric Algorithms (revision of ANSI X9.143-2021) Final Action Date: 5/6/2022

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

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

Addenda
ANSI/ASHRAE Addendum 55g-2020, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2020) Final Action Date: 4/29/2022

Addenda
ANSI/ASHRAE Addendum 62.1i-2019, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2019) Final Action Date: 4/29/2022

Addenda
ANSI/ASHRAE Addendum 62.2h-2019, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2019) Final Action Date: 4/29/2022

Addenda
ANSI/ASHRAE Addendum 62.2L-2019, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2019) Final Action Date: 4/29/2022

Addenda
ANSI/ASHRAE Addendum d to ANSI/ASHRAE Standard 15-2019, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2019) Final Action Date: 4/29/2022

Addenda
ANSI/ASHRAE Addendum o to ANSI/ASHRAE Standard 15-2019, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2019) Final Action Date: 4/29/2022

Addenda
ANSI/ASHRAE/IES Addendum bw to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 4/29/2022

Addenda
ANSI/ASHRAE/IES Addendum bz to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 4/29/2022

Addenda
ANSI/ASHRAE/IES Addendum ce to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 4/29/2022

Addenda
ANSI/ASHRAE/IES Addendum cf to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 4/29/2022

Addenda
ANSI/ASHRAE/IES Addendum cg to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 4/29/2022

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

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

Addenda

ANSI/ASHRAE/IES Addendum ci to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 4/29/2022

Addenda

ANSI/ASHRAE/IES Addendum cj to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 4/29/2022

New Standard

ANSI/ASHRAE Standard 15.2-2022, Safety Standard for Refrigeration Systems in Residential Applications (new standard) Final Action Date: 4/29/2022

ASME (American Society of Mechanical Engineers)

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

New Standard

ANSI/ASME A112.6.8/CSA B79.8-2022, Trench Drains (new standard) Final Action Date: 5/9/2022

Revision

ANSI/ASME A112.14.4/CSA B481.5-2022, Grease Removal Devices (revision and redesignation of ANSI/ASME A112.14.4-2001 (R2017)) Final Action Date: 5/9/2022

Revision

ANSI/ASME A112.36.2M/CSA B79.2-2022, Cleanouts (revision and redesignation of ASME A112.36.2M-1991 (R2017)) Final Action Date: 5/6/2022

Revision

ANSI/ASME A112.6.3/CSA B79.3-2022, Floor Drains (revision and redesignation of ASME ASME A112.6.3-2019) Final Action Date: 5/9/2022

Revision

ANSI/ASME A112.6.9/CSA B79.9-2022, Siphonic Roof Drains (revision and redesignation of ANSI/ASME A112.6.9 -2005 (R2019)) Final Action Date: 5/9/2022

Withdrawal

ANSI/ASME MFC-2M-1983 (R2013), Measurement Uncertainty for Fluid Flow in Closed Conduits (withdrawal of ANSI/ASME MFC-2M-1983 (R2013)) Final Action Date: 5/3/2022

ASTM (ASTM International)

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

New Standard

ANSI/ASTM E3316-2022, Guide forthe Forensic Examination of Hair by Microscopy (new standard) Final Action Date: 5/1/2022

Reaffirmation

ANSI/ASTM F1668-2016 (R2022), Guide for Construction Procedures for Buried Plastic Pipe (reaffirmation of ANSI/ASTM F1668-2016) Final Action Date: 5/1/2022

ASTM (ASTM International)

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

Revision

ANSI/ASTM E8-2022, Test Methods for Tension Testing of Metallic Materials (revision of ANSI/ASTM E8/E8M -2021) Final Action Date: 5/1/2022

Revision

ANSI/ASTM E18-2022, Test Methods for Rockwell Hardness of Metallic Materials (revision of ANSI/ASTM E18 -2020) Final Action Date: 5/1/2022

Revision

ANSI/ASTM E2280-2022, Guide for Fire Hazard Assessment of the Effect of Upholstered Seating Furniture Within Patient Rooms of Health Care Facilities (revision of ANSI/ASTM E2280-2017) Final Action Date: 5/1/2022

Revision

ANSI/ASTM F628-2022, Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe With a Cellular Core (revision of ANSI/ASTM F628-2018) Final Action Date: 5/1/2022

ATIS (Alliance for Telecommunications Industry Solutions)

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

Reaffirmation

ANSI/ATIS 0300003-2017 (R2022), XML Schema Interface for Fault Management (Trouble Administration) (reaffirmation of ANSI/ATIS 0300003-2017) Final Action Date: 5/9/2022

Reaffirmation

ANSI/ATIS 0600004-2017 (R2022), Equipment Surface Temperature (reaffirmation of ANSI/ATIS 0600004-2017) Final Action Date: 5/9/2022

Stabilized Maintenance

ANSI/ATIS 0600010.02-2012 (S2022), Equipment Handling, Transportation Vibration, and Rail Car Shock Requirements for Network Communications Equipment (stabilized maintenance of ANSI/ATIS 0600010.02-2012 (R2017)) Final Action Date: 5/9/2022

AWWA (American Water Works Association)

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

Revision

ANSI/AWWA C909-2022, Molecularly Oriented Polyvinyl Chloride (PVCO) Pressure Pipe, 4 In. (100 mm) and Larger (revision of ANSI/AWWA C909-2015) Final Action Date: 5/5/2022

CSA (CSA America Standards Inc.)

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

Revision

ANSI/CSA Z21.20/CSA C22.2 No. 60730-2-5/UL 60730-2-5-2022, Automatic electrical controls - Part 2-5: Particular requirements forautomatic electrical burner control systems (revision and redesignation of ANSI Z21.20 -2014/CAN/CSA C22.2 No. 60730-2-5-2014/UL 60730-2-5-2014) Final Action Date: 5/6/2022

ESTA (Entertainment Services and Technology Association)

271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 | standards@esta.org, www.esta.org

Reaffirmation

ANSI E1.26-2006 (R2022), Entertainment Technology - Recommended Testing Methods and Values for Shock Absorption of Floors Used in Live Performance Venues (reaffirmation of ANSI E1.26-2006 (R2017)) Final Action Date: 5/5/2022

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

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

Reaffirmation

ANSI N42.49A (R2022), Standard for Performance Criteria for Alarming Electronic Personal Emergency RadiationDetectors (PERDs) for Exposure Control (reaffirmation and redesignation of ANSI/N42.49a-2011) Final Action Date: 5/6/2022

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

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

Withdrawal

INCITS/ISO/IEC 9070:1991 [S2014], Information technology -- SGML support facilities -- Registration procedures for public text owner identifiers (withdrawal of INCITS/ISO/IEC 9070:1991 [S2014]) Final Action Date: 5/4/2022

Withdrawal

INCITS/ISO/IEC 10180:1995 [S2014], Information Technology - Processing Languages - Standard Page Description Language (SPDL) (withdrawal of INCITS/ISO/IEC 10180:1995 [S2014]) Final Action Date: 5/4/2022

Withdrawal

INCITS/ISO/IEC 13240:2001 [R2019], Information technology -- Document description and processing languages -- Interchange Standard for Multimedia Interactive Documents (ISMID) (withdrawal of INCITS/ISO/IEC 13240:2001 [R2019]) Final Action Date: 5/4/2022

Withdrawal

INCITS/ISO/IEC 10180:1995/COR 1:2001 [S2020], Information Technology - Processing Languages - Standard Page Description Language (SPDL) - Technical Corrigendum 1 (withdrawal of INCITS/ISO/IEC 10180:1995/COR 1:2001 [S2020]) Final Action Date: 5/4/2022

Withdrawal

INCITS/ISO/IEC 13240:2001/COR 1:2003 [R2019], Information technology -- Document description and processing languages -- Interchange Standard for Multimedia Interactive Documents (ISMID) - Technical Corrigendum 1 (withdrawal of INCITS/ISO/IEC 13240:2001/COR1:2003 [R2019]) Final Action Date: 5/4/2022

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 | PFoley@nfpa.org, www.nfpa.org

Revision

ANSI/NFPA 22-2023, Standard for Water Tanks for Private Fire Protection (revision of ANSI/NFPA 22-2018) Final Action Date: 5/4/2022

NSAA (ASC B77) (National Ski Areas Association)

133 S Van Gordon Street, Suite 300, Lakewood, CO 80228 | mlane@nsaa.org

Revision

ANSI B77.1-2022, for Passenger Ropeways- Aerial Tramways, Aerial Lifts, Surface Lifts, Tows and Conveyors - Safety Standard (revision of ANSI B77.1-2017) Final Action Date: 5/5/2022

NSF (NSF International)

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

Revision

ANSI/NSF 245-2022 (i28r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2020) Final Action Date: 4/24/2022

Revision

ANSI/NSF 350-2022 (i61r1), NSF 350-20XX: Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2019) Final Action Date: 4/26/2022

Revision

ANSI/NSF/CAN 50-2022 (i181r1), 50-20XX: Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020) Final Action Date: 4/28/2022

RVIA (Recreational Vehicle Industry Association)

3333 Middlebury Street, Elkhart, IN 46516 | treamer@rvia.org, www.rvia.org

Revision

ANSI/RVIA EGS-1-2022, Engine Generator Sets for Recreational Vehicle Safety Requirements (revision of ANSI/RVIA EGS-1-2018) Final Action Date: 5/3/2022

SCTE (Society of Cable Telecommunications Engineers)

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

New Standard

ANSI/SCTE 262-1-2020, DOCSIS 4.0 Part 1: Physical Layer Specification (new standard) Final Action Date: 5/5/2022

New Standard

ANSI/SCTE 262-2-2020, DOCSIS 4.0 Part 2: MAC and Upper Layer Protocols Interface Specification (new standard) Final Action Date: 5/5/2022

New Standard

ANSI/SCTE 262-3-2020, DOCSIS 4.0 Part 3: Cable Modem Operations Support System Interface Specification (new standard) Final Action Date: 5/5/2022

New Standard

ANSI/SCTE 262-4-2020, DOCSIS 4.0 Part 4: CCAP™ Operations Support System Interface Specification (new standard) Final Action Date: 5/5/2022

New Standard

ANSI/SCTE 262-5-2020, DOCSIS 4.0 Part 5: Security Specification (new standard) Final Action Date: 5/5/2022

SCTE (Society of Cable Telecommunications Engineers)

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

Reaffirmation

ANSI/SCTE 14-2016 (R2022), Test Method for Hex Crimp Tool Verification/Calibration (reaffirmation of ANSI/SCTE 14-2016) Final Action Date: 5/6/2022

Reaffirmation

ANSI/SCTE 25-1-2017 (R2022), Hybrid Fiber Coax Outside Plant Status Monitoring - Physical (PHY) Layer Specification v1.0 (reaffirmation of ANSI/SCTE 25-1-2017) Final Action Date: 5/6/2022

Reaffirmation

ANSI/SCTE 25-2-2017 (R2022), Hybrid Fiber Coax Outside Plant Status Monitoring - Media Access Control (MAC) Layer Specification v1.0 (reaffirmation of ANSI/SCTE 25-2-2017) Final Action Date: 5/6/2022

Reaffirmation

ANSI/SCTE 82-2012 (R2022), Test Method for Low Frequency and Spurious Disturbances (reaffirmation of ANSI/SCTE 82-2012) Final Action Date: 5/6/2022

Reaffirmation

ANSI/SCTE 171-2022, Passive Network Device (NID) Enclosure Specification (reaffirmation of ANSI/SCTE 171 -2016) Final Action Date: 5/6/2022

Reaffirmation

ANSI/SCTE 240-2017 (R2022), SCTE Test Procedures for Testing CWDM Systems in Cable Telecommunications Access Networks (reaffirmation of ANSI/SCTE 240-2017) Final Action Date: 5/6/2022

Revision

ANSI/SCTE 145-2022, Test Method for Second Harmonic Distortion of Passives Using a Single Carrier (revision of ANSI/SCTE 145-2015) Final Action Date: 5/6/2022

Revision

ANSI/SCTE 220-1-2022, DOCSIS 3.1 Part 1: Physical Layer Specification (revision of ANSI/SCTE 220-1 2016) Final Action Date: 5/6/2022

Revision

ANSI/SCTE 220-2-2022, DOCSIS 3.1 Part 2: Media Access Control (MAC) and Upper Layer Protocols Interface Specification (revision of ANSI/SCTE 220-2-2016) Final Action Date: 5/6/2022

Revision

ANSI/SCTE 220-4-2022, DOCSIS 3.1 Part 4: CCAP OSSI Specification (revision of ANSI/SCTE 220-4-2016) Final Action Date: 5/6/2022

Revision

ANSI/SCTE 220-5-2022, DOCSIS 3.1 Part 5: Security Specification (revision of ANSI/SCTE 220-5-2016) Final Action Date: 5/6/2022

UL (Underwriters Laboratories)

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

New Standard

ANSI/UL 2263-2022, Standard for Safety for Electric Vehicle Cable (new standard) Final Action Date: 5/9/2022

UL (Underwriters Laboratories)

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

Reaffirmation

ANSI/UL 810A-2012 (R2022), Standard for Electrochemical Capacitors (reaffirmation of ANSI/UL 810A-2012 (R2017)) Final Action Date: 5/3/2022

Revision

ANSI/UL 30-2022, Standard for Safety for Metallic and Nonmetallic Safety Cans for Flammable and Combustible Liquids (revision of ANSI/UL 30-2004 (R2019)) Final Action Date: 4/29/2022

Revision

ANSI/UL 467-2022, Standard for Safety for Grounding and Bonding Equipment (revision of ANSI/UL 467-2013 (R2017)) Final Action Date: 4/29/2022

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

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

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

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

Membership in the INCITS Executive Board is open to all directly and materially interested parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at jgarner@itic.org or visit http://www.incits.org/participation/membership-info for more information.
Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following underrepresented categories:

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.
SCTE is currently seeking to broaden the membership base of its ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.
Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures.
More information is available at www.scte.org or by e-mail from standards@scte.org.

Call for Members (ANS Consensus Bodies)

ANSI Accredited Standards Developer

CSA - CSA America Standards Inc.

Teleconference - May 16, 2022 from 1 p.m. to 4 p.m. EST

CSA Group will hold the Fuel Cell Technical Committee meeting by teleconference on May 16, 2022 from 1 p.m. to 4 p. m. EST. For more information on the meeting and the agenda, contact Mark Duda at mark.duda@csagroup.org.

Guests planning to attend the meeting are required to notify the project manager listed below in advance of the meeting, and provide a brief explanation of interest. If you wish to present specific comments on an item of business, you are required to notify the project manager in writing no later than April 6, 2021. Notification shall include any material proposed for presentation to the Technical Committee. For information, please contact Project Manager, Mark Duda at mark.duda@csagroup.org.

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/ISO 11737-1-202x/A1, Sterilization of health care products - Microbiological methods - Part 1: Determination of a population of microorganisms on products - Amendment 1 (addenda to ANSI/AAMI/ISO 11737-1 -202x/A1)

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/ISO 15223-1-202x, Medical devices - Symbols to be used with information to be supplied by the manufacturer - Part 1: General requirements (identical national adoption of ISO 15223-1:2021 and revision of ANSI/AAMI/ISO 15223-1:2016)

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 1270 (I-P)-2015 (R202x), Requirements for Seismic Qualification of HVACR Equipment (reaffirmation of ANSI/AHRI Standard 1270 (I-P)-2015)

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 1271 (SI)-2015 (R202x), Requirements for Seismic Qualification of HVACR Equipment (reaffirmation of ANSI/AHRI Standard 1271 (SI)-2015)

AISC (American Institute of Steel Construction)

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

BSR/AISC 341-202x, Seismic Provisions for Structural Steel Buildings (revision of ANSI/AISC 341-2016)

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 QME-1-202x, Qualification of Active Mechanical Equipment Used in Nuclear Facilities (revision of ANSI/ASME QME-1-2017)

Call for Members (ANS Consensus Bodies)

AWS (American Welding Society)

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

BSR/AWS A5.5/A5.5M-202x, Specification for Low-Alloy Steel Electrodes for Shielded Metal Arc Welding (revision of ANSI/AWS A5.5/A5.5M-2014)

AWS (American Welding Society)

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

BSR/AWS A5.30/A5.30M-202x, Specification for Consumable Inserts (revision of ANSI/AWS A5.30/A5.30M:2007)

AWS (American Welding Society)

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

BSR/AWS A5.9/A5.9M-202X (ISO 14343-2017 MOD), Specification for Bare Stainless Steel Welding Electrodes and Rods (national adoption of ISO 14343:2017 with modifications and revision of ANSI/AWS A5.9/A5.9M:2017 (ISO 14343:2009 MOD))

CTA (Consumer Technology Association)

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

BSR/CTA 2051-A-202x, Wearable Sound Amplifier 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").

HI (Hydraulic Institute)

300 Interpace Parkway, Building A, 3rd Floor, #280, Parsippany, NJ 07054 | achatterjee@pumps.org, www.pumps.org

BSR/HI 9.6.5-202x, Rotodynamic Pumps - Guideline for Condition Monitoring (revision of ANSI/HI 9.6.5-2016)

HI (Hydraulic Institute)

6 Campus Drive, Suite 104, Parsippany, NJ 07054-4406 | esuarez@pumps.org, www.pumps.org

BSR/HI 11.6-202x, Rotodynamic Submersible Pumps for Mechanical and Electrical Acceptance Tests (revision of ANSI/HI 11.6-2017)

ISA (International Society of Automation)

3252 S. Miami Blvd, Suite 102, Durham, NC 27703 | ebrazda@isa.org, www.isa.org

BSR/ISA 67.06.01-202x, Performance Monitoring for Nuclear Safety-Related Instrument Channels in Nuclear Power Plants (new standard)

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 4-1986 [R202x], Information Systems - Coded Character Sets - 7- Bit Standard Code for Information Interchange (7-Bit ASCII) (reaffirmation of INCITS 4-1986 [R2017])

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 149-1986 [R202x], Financial Transaction Card Formsets - Location of Imprinted Information (reaffirmation of INCITS 149-1986 [R2017])

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 358-2002 [R202x], Information technology - BioAPI Specification (Version 1.1) (reaffirmation of INCITS 358 -2002 [R2017])

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 358-2002/AM 1-2007 [R202x], Information technology - BioAPI Specification (Version 1.1) - Amendment 1: Support for Biometric Fusion (reaffirmation of INCITS 358-2002/AM 1-2007 [R2017])

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 359-2012 [R202x], Information technology - Role Based Access Control (reaffirmation of INCITS 359-2012 [R2017])

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 365-2002 [R202x], Information Technology - SCSI RDMA Protocol (SRP) (reaffirmation of INCITS 365-2002 [R2017])

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 415-2006 [R202x], Information technology - Homeland Security Mapping Standard - Point Symbology for Emergency Management (reaffirmation of INCITS 415-2006 [R2017])

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 431-2007 [R202x], Information technology - SCSI/ATA Translation (SAT) (reaffirmation of INCITS 431-2007 [R2017])

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 434-2007 [R202x], Information technology - Tenprint Capture Using BioAPI (reaffirmation of INCITS 434 -2007 [R2017])

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 468-2010/AM1-2012 [R2017], Information technology - Multi-media Command Set - 6 (MMC-6) - Amendment 1 (reaffirmation of INCITS 468-2010/AM1-2012 [R2017])

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 482-2012 [R202x], Information technology - ATA/ATAPI Command Set - 2 (ACS-2) (reaffirmation of INCITS 482-2012 [R2017])

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 483-2012 [S202x], Information Technology - Virtualization Management Specification (stabilized maintenance of INCITS 483-2012 [R2017])

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 484-2012 [R202x], Information Technology - SCSI Media Changer Commands - 3 (reaffirmation of INCITS 484-2012 [R2017])

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 491-2017 [R202x], Information technology - SCSI/ATA Translation - 4 (SAT-4) (reaffirmation of INCITS 491 -2017)

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

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

INCITS 493-2012 [R202x], Information Technology - AT Attachment-8 - Serial Transport (ATA8-AST) (reaffirmation of INCITS 493-2012 [R2017])

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 494-2012 [R202x], Information technology - Role Based Access Control - Policy Enhanced (reaffirmation of INCITS 494-2012 [R2017])

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 495-2012 [S202x], Information Technology -- Platform Management Specification, Volumes 1 And 2 (stabilized maintenance of INCITS 495-2012 [R2017])

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 496-2012 [S202x], Information Technology - Fibre Channel - Security Protocols - 2 (FC-SP-2) (stabilized maintenance of INCITS 496-2012 [R2017])

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 497-2012 [R202x], Information Technology - Automation/Drive Interface Commands - 3 (ADC - 3) (reaffirmation of INCITS 497-2012 [R2017])

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 498-2012 [S202x], Information Technology - CIM Representations Of Management Specification (stabilized maintenance of INCITS 498-2012 [R2017])

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 510-2017 [R202x], Information technology - Fibre Channel -- Generic Services -- 7 (FC-GS-7) (reaffirmation of INCITS 510-2017)

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

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

INCITS 518-2017 [R202x], Information technology - SCSI Enclosure Services - 3 (SES-3) (reaffirmation of INCITS 518 -2017)

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

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

INCITS/ISO 19101-1:2014 [R202x], Geographic information - Reference model - Part 1: Fundamentals (reaffirmation of INCITS/ISO 19101-1:2014 [2017])

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

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

INCITS/ISO 19136-2:2015 [R202x], Geographic Information - Geography Markup Language (GML) - Part 2: Extended Schemas And Encoding Rules (reaffirmation of INCITS/ISO 19136-2:2015 [2017])

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 19150-2:2015 [R202x], Geographic Information - Ontology - Part 2: Rules For Developing Ontologies In The Web Ontology Language (OWL) (reaffirmation of INCITS/ISO 19150-2:2015 [2017])

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

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

INCITS/ISO 19160-1:2015 [R202x], Addressing -- Part 1: Conceptual Model (reaffirmation of INCITS/ISO 19160 -1:2015 [2017])

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

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

INCITS/ISO 9542:1988 [R202x], Information processing systems -- Telecommunications and information exchange between systems -- End system to Intermediate system routeing exchange protocol for use in conjunction with the Protocol for providing the connectionless-mode network service (ISO 8473) (reaffirmation of INCITS/ISO 9542:1988 [R2017])

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 19103:2015 [R202x], Geographic information - Conceptual schema language (reaffirmation of INCITS/ISO 19103:2015 [2017])

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

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

INCITS/ISO 19118:2011 [R202x], Geographic Information - Encoding (reaffirmation of INCITS/ISO 19118:2011 [R2017])

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 19131:2007 [R202x], Geographic Information - Data Product Specifications (reaffirmation of INCITS/ISO 19131:2007 [2017])

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

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

INCITS/ISO 19134:2007 [R202x], Geographic Information - Location-Based Services - Multimodal Routing And Navigation (reaffirmation of INCITS/ISO 19134:2007 [R2017])

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 19137:2007 [R202x], Geographic Information - Core Profile Of The Spatial Schema (reaffirmation of INCITS/ISO 19137:2007 [R2017])

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 19149:2011 [R202x], Geographic Information - Rights Expression Language For Geographic Information - GeoREL (reaffirmation of INCITS/ISO 19149:2011 [R2017])

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 19156:2011 [R202x], Geographic Information - Observations And Measurements (reaffirmation of INCITS/ISO 19156:2011 [R2017])

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 19131:2007/AM1:2011 [R202x], Geographic Information -- Data Product Specifications - Amendment 1: Requirements Relating To The Inclusion Of An Application Schema And Feature Catalogue And The Treatment Of Coverages In An Application Schema. (reaffirmation of INCITS/ISO 19131:2007/AM1:2011 [R2017])

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 7816-3:2006 [R202x], Identification cards - Integrated circuit(s) cards with contacts - Part 3: Electronic interface and transmission protocols (reaffirmation of INCITS/ISO/IEC 7816-3:2006 [R2017])

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 9075-1:2016 [R202x], Information technology -- Database languages -- SQL -- Part 1: Framework (SQL/Framework) (reaffirmation of INCITS/ISO/IEC 9075-1:2016 [2017])

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

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

INCITS/ISO/IEC 9075-2:2016 [R202x], Information technology -- Database languages -- SQL -- Part 2: Foundation (SQL/Foundation) (reaffirmation of INCITS/ISO/IEC 9075-2:2016 [2017])

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

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

INCITS/ISO/IEC 9075-4:2016 [R202x], Information technology -- Database languages -- SQL -- Part 4: Persistent stored modules (SQL/PSM) (reaffirmation of INCITS/ISO/IEC 9075-4:2016 [2017])

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

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

INCITS/ISO/IEC 9075-9:2016 [R202x], Information technology -- Database languages -- SQL -- Part 9: Management of External Data (SQL/MED) (reaffirmation of INCITS/ISO/IEC 9075-9:2016 [2017])

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 9075-10:2016 [R202x], Information technology -- Database languages -- SQL -- Part 10: Object language bindings (SQL/OLB) (reaffirmation of INCITS/ISO/IEC 9075-10:2016 [2017])

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

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

INCITS/ISO/IEC 9075-11:2016 [R202x], Information technology -- Database languages -- SQL -- Part 11: Information and definition schemas (SQL/Schemata) (reaffirmation of INCITS/ISO/IEC 9075-11:2016 [2017])

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INCITS/ISO/IEC 9075-13:2016 [R202x], Information technology -- Database languages -- SQL -- Part 13: SQL Routines and types using the Java TM programming language (SQL/JRT) (reaffirmation of INCITS/ISO/IEC 9075 -13:2016 [2017])

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INCITS/ISO/IEC 9075-14:2016 [R202x], Information technology -- Database languages -- SQL -- Part 14: XML-Related Specifications (SQL/XML) (reaffirmation of INCITS/ISO/IEC 9075-14:2016 [2017])

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INCITS/ISO/IEC 9796-2:2010 [R202x], Information technology - Security techniques - Digital signature schemes giving message recovery - Part 2: Integer factorization based mechanisms (reaffirmation of INCITS/ISO/IEC 9796 -2:2010 [R2017])

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INCITS/ISO/IEC 9797-3:2011 [R202x], Information technology - Security techniques - Message Authentication Codes (MACs) - Part 3: Mechanisms using a universal hash-function (reaffirmation of INCITS/ISO/IEC 9797-3:2011 [R2017])

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INCITS/ISO/IEC 9798-1:2010 [R202x], Information technology - Security techniques - Entity authentication - Part 1: General (reaffirmation of INCITS/ISO/IEC 9798-1:2010 [R2017])

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INCITS/ISO/IEC 9798-6:2010 [R202x], Information technology - Security techniques - Entity authentication - Part 6: Mechanisms using manual data transfer (reaffirmation of INCITS/ISO/IEC 9798-6:2010 [R2017])

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INCITS/ISO/IEC 10373-5:2014 [R202x], Identification cards - Test methods - Part 5: Optical memory cards (reaffirmation of INCITS/ISO/IEC 10373-5:2014 [2017])

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INCITS/ISO/IEC 10746-1:1998 [R202x], Information technology - Open Distributed Processing - Reference model: Overview (reaffirmation of INCITS/ISO/IEC 10746-1:1998 [R2017])

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INCITS/ISO/IEC 10746-4:1998 [R202x], Information technology - Open Distributed Processing - Reference Model: Architectural semantics - Part 4: Architectural Semantics (reaffirmation of INCITS/ISO/IEC 10746-4:1998 [R2017])

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INCITS/ISO/IEC 10746-4:1998/AM1:2001 [R202x], Information Technology - Open Distributed Processing - Reference Model: Architectural Semantics - Part 4 - Amendment1: Computational Formalization (reaffirmation of INCITS/ISO/IEC 10746-4:1998/AM1:2001 [R2017])

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INCITS/ISO/IEC 13211-1:1995 [R202x], Information technology - Prolog Language Standard - Part 1: General Core (reaffirmation of INCITS/ISO/IEC 13211-1:1995 [R2017])

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INCITS/ISO/IEC 13235-1:1998 [R202x], Information technology - Open Distributed Processing -Trading function: Specification - Part 1: Specification (reaffirmation of INCITS/ISO/IEC 13235-1:1998 [R2017])

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INCITS/ISO/IEC 13235-3:1998 [R202x], Information technology - Open Distributed Processing - Trading Function - Part 3: Provision of Trading Function using OSI Directory service (reaffirmation of INCITS/ISO/IEC 13235-3:1998 [R2017])

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INCITS/ISO/IEC 13249-1:2016 [R202x], Information technology -- Database languages -- SQL multimedia and application packages -- Part 1: Framework (reaffirmation of INCITS/ISO/IEC 13249-1:2016 [2017])

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INCITS/ISO/IEC 13249-3:2016 [R202x], Information technology -- Database languages -- SQL multimedia and application packages -- Part 3: Spatial (reaffirmation of INCITS/ISO/IEC 13249-3:2016 [2017])

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INCITS/ISO/IEC 13249-6:2006 [R202x], Information technology - Database languages - SQL multimedia and application packages - Part 6: Data mining (reaffirmation of INCITS/ISO/IEC 13249-6:2006 [R2017])

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INCITS/ISO/IEC 13818-3:1998 [R202x], Information Technology - Generic Coding of Moving Pictures and Associated Audio Information - Part 3: Audio (reaffirmation of INCITS/ISO/IEC 13818-3:1998 [R2017])

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INCITS/ISO/IEC 13818-6:1998 [R202x], Information technology - Generic coding of moving pictures and associated audio information - Part 6: Extensions for DSM-CC (reaffirmation of INCITS/ISO/IEC 13818-6:1998 [R2017])

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INCITS/ISO/IEC 13818-9:1996 [R202x], Information technology - Generic coding of moving pictures and associated audio information - Part 9: Extension for real time interface for systems decoders (reaffirmation of INCITS/ISO/IEC 13818-9:1996 [R2017])

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INCITS/ISO/IEC 13818-6:1998/AM3:2001 [R202x], Information technology - Generic coding of moving pictures and associated audio information - Part 6: Extensions for DSM-CC Amendment 3: Transport buffer model in support of synchronized user-to-network download protocol (reaffirmation of INCITS/ISO/IEC 13818-6:1998/AM3:2001 [R2017])

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INCITS/ISO/IEC 13888-2:2010 [R202x], Information technology - Security techniques - Non-repudiation - Part 2: Mechanisms using symmetric techniques (reaffirmation of INCITS/ISO/IEC 13888-2:2010 [R2017])

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INCITS/ISO/IEC 14496-1:2010 [R202x], Information technology -- Coding of audio-visual objects -- Part 1: Systems (reaffirmation of INCITS/ISO/IEC 14496-1:2010 [R2017])

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INCITS/ISO/IEC 14496-2:2004 [R202x], Information technology - Coding of audio-visual objects - Part 2: Visual (reaffirmation of INCITS/ISO/IEC 14496-2:2004 [R2017])

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INCITS/ISO/IEC 14776-372:2011 [R202x], Information technology - Small Computer System Interface (SCSI) - Part 372: SCSI Enclosure Services - 2 (SES-2) (reaffirmation of INCITS/ISO/IEC 14776-372:2011 [R2017])

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INCITS/ISO/IEC 15408-1:2009 [R202x], Information technology - Security techniques - Evaluation criteria for IT security - Part 1: Introduction and general model (reaffirmation of INCITS/ISO/IEC 15408-1:2009 [2012])

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INCITS/ISO/IEC 15938-1:2002 [R202x], Information technology - Multimedia content description interface - Part 1: Systems (reaffirmation of INCITS/ISO/IEC 15938-1:2002 [R2017])

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INCITS/ISO/IEC 15938-2:2002 [R202x], Information Technology - Multimedia Content Description Interface - Part 2: Description Definition Language (reaffirmation of INCITS/ISO/IEC 15938-2:2002 [R2017])

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INCITS/ISO/IEC 15938-4:2002 [R202x], Information technology - Multimedia content description interface - Part 4: Audio (reaffirmation of INCITS/ISO/IEC 15938-4:2002 [R2017])

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INCITS/ISO/IEC 15944-8:2012 [R202x], Information technology - Business Operational View - Part 8: Identification of privacy protection requirements as external constraints on business transactions (reaffirmation of INCITS/ISO/IEC 15944-8:2012 [R2017])

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INCITS/ISO/IEC 15946-5:2009 [R202x], Information technology - Security techniques - Cryptographic techniques based on elliptic curves - Part 5: Elliptic curve generation (reaffirmation of INCITS/ISO/IEC 15946-5:2009 [R2017])

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INCITS/ISO/IEC 18023-1:2006/AM1:2012 [S202x], Information technology -- SEDRIS -- Part 1: Functional specification -- Amendment 1 (stabilized maintenance of INCITS/ISO/IEC 18023-1:2006/AM1:2012 [R2017])

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INCITS/ISO/IEC 18023-3:2006/AM 1:2012 [S202x], Information Technology - Synthetic Environment Data Representation And Interchange Specification (SEDRIS): Part 3: Transmittal Format Binary Encoding - Amendment 1 (stabilized maintenance of INCITS/ISO/IEC 18023-3:2006/AM 1:2012 [R2017])

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INCITS/ISO/IEC 18024-4:2006/AM1:2012 [R202x], Information technology - Synthetic Environment Data Representation and Interchange Specification (SEDRIS) Language Bindings - Part 4: C - Amendment 1 (reaffirmation of INCITS/ISO/IEC 18024-4:2006/AM1:2012 [R2017])

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INCITS/ISO/IEC 18033-3:2010 [R202x], Information technology - Security techniques - Encryption algorithms - Part 3: Block ciphers (reaffirmation of INCITS/ISO/IEC 18033-3:2010 [R2017])

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INCITS/ISO/IEC 18033-4:2011 [R202x], Information technology - Security techniques - Encryption algorithms - Part 4: Stream ciphers (reaffirmation of INCITS/ISO/IEC 18033-4:2011 [R2017])

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INCITS/ISO/IEC 18042-4:2006/AM1:2011 [S202x], Information technology - Computer graphics and image processing - Spatial Reference Model (SRM) language bindings - Part 4: C - Amendment 1 (stabilized maintenance of INCITS/ISO/IEC 18042-4:2006/AM1:2011 [R2017])

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INCITS/ISO/IEC 19763-1:2015 [R202x], Information technology -- Metamodel framework for interoperability (MFI) -- Part 1: Framework (reaffirmation of INCITS/ISO/IEC 19763-1:2015 [2017])

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INCITS/ISO/IEC 19776-1:2015 [R202x], Information technology -- Computer graphics, image processing and environmental data representation -- Extensible 3D (X3D) encodings -- Part 1: Extensible Markup Language (XML) encoding (reaffirmation of INCITS/ISO/IEC 19776-1:2015 [2017])

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INCITS/ISO/IEC 19776-3:2015 [R202x], Information technology -- Computer graphics, image processing and environmental data representation -- Extensible 3D (X3D) encodings -- Part 3: Compressed binary encoding (reaffirmation of INCITS/ISO/IEC 19776-3:2015 [2017])

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INCITS/ISO/IEC 19794-1:2006 [R202x], Information technology - Biometric data interchange formats - Part 1: Framework (reaffirmation of INCITS/ISO/IEC 19794-1:2006 [R2017])

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INCITS/ISO/IEC 19794-3:2006 [R202x], Information technology - Biometric data interchange formats - Part 3: Finger pattern spectral data (reaffirmation of INCITS/ISO/IEC 19794-3:2006 [R2017])

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INCITS/ISO/IEC 19794-4:2005 [R202x], Information technology - Biometric data interchange formats - Part 4: Finger image data (reaffirmation of INCITS/ISO/IEC 19794-4:2005 [R2017])

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INCITS/ISO/IEC 19794-5:2005 [R202x], Information technology - Biometric data interchange formats - Part 5: Face image data (reaffirmation of INCITS/ISO/IEC 19794-5:2005 [R2017])

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INCITS/ISO/IEC 19794-6:2005 [R202x], Information technology - Biometric data interchange formats - Part 6: Iris image data (reaffirmation of INCITS/ISO/IEC 19794-6:2005 [R2017])

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INCITS/ISO/IEC 19794-7:2007 [R202x], Information technology - Biometric data interchange formats - Part 7: Signature/sign time series data (reaffirmation of INCITS/ISO/IEC 19794-7:2007 [R2017])

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INCITS/ISO/IEC 19794-9:2007 [R202x], Information technology - Biometric data interchange formats - Part 9: Vascular image data (reaffirmation of INCITS/ISO/IEC 19794-9:2007 [R2017])

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INCITS/ISO/IEC 19794-10:2007 [R202x], Information technology - Biometric data interchange formats - Part 10: Hand geometry silhouette data (reaffirmation of INCITS/ISO/IEC 19794-10:2007 [R2017])

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INCITS/ISO/IEC 27033-1:2015 [R202x], Information technology - Security techniques - Network security - Part 1: Overview and concepts (reaffirmation of INCITS/ISO/IEC 27033-1:2015 [2017])

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INCITS/ISO/IEC 27033-3:2010 [R202x], Information technology - Security techniques - Network security - Part 3: Reference networking scenarios - Threats, design techniques and control issues (reaffirmation of INCITS/ISO/IEC 27033-3:2010 [R2017])

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INCITS/ISO/IEC 6937:2001 [R202x], Information technology - Coded graphic character set for text communication - Latin alphabet (reaffirmation of INCITS/ISO/IEC 6937:2001 [R2017])

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INCITS/ISO/IEC 10030:1995 [R202x], Information technology - Telecommunications and information exchange between systems - End System Routeing Information Exchange Protocol for use in conjunction with ISO/IEC 8878 (reaffirmation of INCITS/ISO/IEC 10030:1995 [R2017])

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INCITS/ISO/IEC 10589:2002 [R202x], Information technology - Intermediate System to Intermediate System Intra-Domain-Routeing Routine Information Exchange Protocol for Use in Conjunction with the Protocol for Providing the Connectionless-mode Network Service (ISO 8473) (reaffirmation of INCITS/ISO/IEC 10589:2002 [R2017])

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INCITS/ISO/IEC 13568:2002 [R202x], Information technology - Z formal specification notation - Syntax, type system and semantics (reaffirmation of INCITS/ISO/IEC 13568:2002 [R2017])

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INCITS/ISO/IEC 16680:2012 [R202x], Information technology - The Open Group Service Integration Maturity Model (OSIMM) (reaffirmation of INCITS/ISO/IEC 16680:2012 [R2017])

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INCITS/ISO/IEC 17788:2014 [R202x], Information technology - Cloud computing - Overview and vocabulary (reaffirmation of INCITS/ISO/IEC 17788:2014 [2017])

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INCITS/ISO/IEC 17823:2015 [R202x], Colour terminology for office colour equipment (reaffirmation of INCITS/ISO/IEC 17823:2015 [2017])

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INCITS/ISO/IEC 18031:2011 [R202x], Information technology - Security techniques - Random bit generation (reaffirmation of INCITS/ISO/IEC 18031:2011 [R2017])

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INCITS/ISO/IEC 18180:2013 [R202x], Information Technology - Specification For The Extensible Configuration Checklist Description Format (XCCDF) Version 1.2 (reaffirmation of INCITS/ISO/IEC 18180:2013 [2017])

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INCITS/ISO/IEC 19395:2015 [R202x], Information technology - Sustainability for and by information technology - Smart data centre resource monitoring and control (reaffirmation of INCITS/ISO/IEC 19395:2015 [2017])

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INCITS/ISO/IEC 19464:2014 [R202x], Information Technology - Advanced Message Queuing Protocol (AMQP) V1.0 Specification (reaffirmation of INCITS/ISO/IEC 19464:2014 [2017])

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INCITS/ISO/IEC 19510:2013 [R202x], Information technology - Object Management Group Business Process Model and Notation (reaffirmation of INCITS/ISO/IEC 19510:2013)

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INCITS/ISO/IEC 19678:2015 [R202x], Information Technology - BIOS Protection Guidelines (reaffirmation of INCITS/ISO/IEC 19678:2015 [2017])

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INCITS/ISO/IEC 19773:2011 [R202x], Information technology - Metadata Registries (MDR) modules (reaffirmation of INCITS/ISO/IEC 19773:2011 [R2017])

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INCITS/ISO/IEC 19792:2009 [R202x], Information technology - Security techniques - Security evaluation of biometrics (reaffirmation of INCITS/ISO/IEC 19792:2009 [R2017])

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INCITS/ISO/IEC 19831:2015 [R202x], Cloud Infrastructure Management Interface (CIMI) Model And RESTful HTTP-Based Protocol - An Interface For Managing Cloud Infrastructure (reaffirmation of INCITS/ISO/IEC 19831:2015 [2017])

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INCITS/ISO/IEC 24745:2011 [R202x], Information technology - Security techniques - Biometric information protection (reaffirmation of INCITS/ISO/IEC 24745:2011 [R2017])

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INCITS/ISO/IEC 24790:2017 [R202x], Information technology - Office equipment - Measurement of image quality attributes for hardcopy output - Monochrome text and graphic images (reaffirmation of INCITS/ISO/IEC 24790:2017 [2017])

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INCITS/ISO/IEC 26300:2006 [R202x], Information technology - Open Document Format for Office Applications (OpenDocument) v1.0 (reaffirmation of INCITS/ISO/IEC 26300:2006 [R2017])

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

INCITS/ISO/IEC 27003:2017 [R202x], Information technology - Security techniques - Information security management systems - Guidance (reaffirmation of INCITS/ISO/IEC 27003:2017 [2017])

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 27006:2015 [R202x], Information technology - Security techniques - Requirements for bodies providing audit and certification of information security management systems (reaffirmation of INCITS/ISO/IEC 27006:2015 [2017])

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

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

INCITS/ISO/IEC 27010:2015 [R202x], Information technology - Security techniques - Information security management for inter-sector and inter-organizational communications (reaffirmation of INCITS/ISO/IEC 27010:2015 [2017])

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

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

INCITS/ISO/IEC 27039:2015 [R202x], Information technology - Security techniques - Selection, deployment and operations of intrusion detection and prevention systems (IDPS) (reaffirmation of INCITS/ISO/IEC 27039:2015 [2017])

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

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

INCITS/ISO/IEC 27040:2015 [R202x], Information technology - Security techniques - Storage security (reaffirmation of INCITS/ISO/IEC 27040:2015 [2017])

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

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

INCITS/ISO/IEC 27041:2015 [R202x], Information technology - Security techniques - Guidance on assuring suitability and adequacy of incident investigative method (reaffirmation of INCITS/ISO/IEC 27041:2015 [2017])

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

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

INCITS/ISO/IEC 27043:2015 [R202x], Information technology - Security techniques - Incident investigation principles and processes (reaffirmation of INCITS/ISO/IEC 27043:2015 [2017])

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

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

INCITS/ISO/IEC 29100:2011 [R202x], Information technology - Security techniques - Privacy framework (reaffirmation of INCITS/ISO/IEC 29100:2011 [R2017])

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 29102:2015 [R202x], Information technology - Office equipment - Method for the determination of ink cartridge photo yield for colour printing with inkjet printers and multi-function devices that contain inkjet printer components (reaffirmation of INCITS/ISO/IEC 29102:2015 [2017])

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

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

INCITS/ISO/IEC 29103:2011 [R202x], Information technology - Office equipment - Colour photo test pages for measurement of ink cartridge yield for colour photo printing (reaffirmation of INCITS/ISO/IEC 29103:2011 [R2017])

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 29128:2011 [R202x], Information technology - Security techniques - Verification of cryptographic protocols (reaffirmation of INCITS/ISO/IEC 29128:2011 [R2017])

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 29136:2012 [R202x], Information Technology - User Interfaces - Accessibility Of Personal Computer Hardware (reaffirmation of INCITS/ISO/IEC 29136:2012 [R2017])

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 29150:2011 [R202x], Information technology - Security techniques - Signcryption (reaffirmation of INCITS/ISO/IEC 29150:2011 [R2017])

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 38500:2015 [R202x], Information technology - Governance of IT for the organization (reaffirmation of INCITS/ISO/IEC 38500:2015 [2017])

NSF (NSF International)

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

BSR/NSF 21-202x (i9r1), Thermoplastic Refuse Containers (revision of ANSI/NSF 21-2019)

NSF (NSF International)

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

BSR/NSF 350-202x (i65r2), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2020)

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 455-2-202x (i23r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2021)

NSF (NSF International)

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

BSR/NSF 455-2-202x (i25r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2021)

NSF (NSF International)

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

BSR/NSF 455-2-202x (i27r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2021)

NSF (NSF International)

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

BSR/NSF 455-2-202x (i30r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2021)

NSF (NSF International)

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

BSR/NSF 455-3-202x (i32r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2021)

NSF (NSF International)

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

BSR/NSF 455-4-202x (i32r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2021)

NSF (NSF International)

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

BSR/NSF 455-4-202x (i38r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-202x (i38r1))

NSF (NSF International)

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

BSR/NSF/CAN 50-202x (i188r1), 50-2021: Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020)

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 205 sp-2018 (R202x), Forming handsheets for physical tests of pulp (reaffirmation of ANSI/TAPPI T 205 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 1217 sp-2012 (R202x), Photometric linearity of optical properties instruments (reaffirmation of ANSI/TAPPI T 1217 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 1218 sp-2012 (R202x), Calibration of reflectance standards for hemispherical geometry (reaffirmation of ANSI/TAPPI T 1218 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 1500 gl-2018 (R202x), Optical measurements terminology (related to appearance evaluation of paper) (reaffirmation of ANSI/TAPPI T 1500 gl-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 1501 sg-2018 (R202x), Training standard for paper machine tender (reaffirmation of ANSI/TAPPI T 1501 sg-2018)

VITA (VMEbus International Trade Association (VITA))

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

BSRVITA 48.8-202x, Mechanical Standard for VPX REDI Air Flow Through Cooling, 1.0 to 1.5 Pitches (revision of ANSI/VITA 48.8-2017)

American National Standards (ANS) Process

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

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

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

• ANSI Essential Requirements: Due process requirements for American National Standards (always current edition): www.ansi.org/essentialrequirements

• ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures): www.ansi.org/standardsaction

• Accreditation information – for potential developers of American National Standards (ANS): www.ansi.org/sdoaccreditation

• ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form): www.ansi.org/asd

• Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: www.ansi.org/asd

• American National Standards Key Steps: www.ansi.org/anskeysteps

• American National Standards Value: www.ansi.org/ansvalue

• ANS Web Forms for ANSI-Accredited Standards Developers - PINS, BSR8|108, BSR11, Technical Report: https://www.ansi.org/portal/psawebforms/

• Information about standards Incorporated by Reference (IBR): https://ibr.ansi.org/

• ANSI - Education and Training: www.standardslearn.org

American National Standards Under Continuous Maintenance

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

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

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

- 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.

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ASQ (ASC Z1)
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AWWA
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CTA
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1919 S. Eads Street
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ESTA
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IEEE (ASC C63)
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ISA (Organization)
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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 - 3/5/2022, $77.00

Agricultural food products (TC 34)

ISO/DIS 7218, Microbiology of the food chain - General requirements and guidance for microbiological examinations - 3/10/2022, $155.00

Aircraft and space vehicles (TC 20)

ISO/DIS 14624-1, Space systems - Safety and compatibility of materials - Part 1: Determination of upward flammability of materials - 3/10/2022, $88.00

ISO/DIS 14624-2, Space systems - Safety and compatibility of materials - Part 2: Determination of flammability of electrical-wire insulation and accessory materials - 3/10/2022, $82.00

ISO/DIS 14624-3, Space systems - Safety and compatibility of materials - Part 3: Determination of offgassed products from materials and assembled articles - 3/10/2022, $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 - 3/10/2022, $53.00

Biotechnology (TC 276)

ISO/FDIS 24603, Biotechnology - Biobanking - Requirements for human and mouse pluripotent stem cells - 7/8/2021, $93.00

ISO/FDIS 24651, Biotechnology - Biobanking - Requirements for human mesenchymal stromal cells derived from bone marrow - 7/11/2021, $93.00

Building construction (TC 59)

ISO/FDIS 19650-4, Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - Information management using building information modelling - Part 4: Information exchange - 6/12/2021, $58.00

Dentistry (TC 106)

ISO/FDIS 21606, Dentistry - Elastomeric auxiliaries for use in orthodontics - 9/18/2021, $46.00

Fertilizers and soil conditioners (TC 134)

ISO/DIS 6181, Fertilizers and soil conditioners - Liquid methylen-urea slow release fertilizers - General requirements - 7/22/2022, $40.00

Fine ceramics (TC 206)

ISO/DIS 20505, Fine ceramics (advanced ceramics, advanced technical ceramics) - Mechanical properties of ceramic composites at room temperature - Determination of the interlaminar shear strength and shear modulus of continuous-fibre-reinforced composites by the compression of double-notched test pieces and by the Iosipescu test - 7/22/2022, $82.00

Fire safety (TC 92)

ISO/DIS 24678-4, Fire Safety Engineering - Requirements governing algebraic formulae - Part 4: Smoke layers - 7/22/2022, $98.00

Furniture (TC 136)

ISO/DIS 9098-1, Bunk beds and high beds - Safety requirements and tests - Part 1: Safety requirements - 7/23/2022, $71.00

ISO/DIS 9098-2, Bunk beds for domestic use - Safety requirements and tests - Part 2: Test methods - 7/22/2022, $82.00

Human resource management (TC 260)

ISO/DIS 30434, Human resource management - Workforce allocation - 7/21/2022, $102.00

Industrial fans (TC 117)

ISO/DIS 12759-1, Fans - Efficiency classification for fans - Part 1: General requirements - 3/5/2022, $82.00

Internal combustion engines (TC 70)

ISO/DIS 4548-13, Methods of test for full-flow lubricating oil filters for internal combustion engines - Part 13: Static burst pressure test for composite filter housings - 7/22/2022, $40.00

Laboratory glassware and related apparatus (TC 48)

ISO/DIS 8655-10, Piston-operated volumetric apparatus - Part 10: User guidance and requirements for competence, training, and POVA suitability - 7/25/2022, $88.00

Light metals and their alloys (TC 79)

ISO/DIS 7209, Titanium and titanium alloys - Plate, sheet and strip - Technical delivery conditions - 3/10/2022, $67.00

ISO/DIS 7217, Titanium and titanium alloys - Bar, rod and billet - Technical delivery conditions - 3/10/2022, $62.00

Nuclear energy (TC 85)

ISO/DIS 4233, Hot helium leak testing method for high temperature pressure-bearing components in nuclear fusion reactors - 7/25/2022, $58.00

ISO/DIS 24389-1, Management of radioactive waste from nuclear facilities - Part 1: General principles, objectives and practical approaches - 7/25/2022, $67.00

Other

ISO/FDIS 17072-2, Leather - Chemical determination of metal content - Part 2: Total metal content - 7/18/2021, $58.00

ISO/CIE FDIS 11664-2, Colorimetry - Part 2: CIE standard illuminants - 8/28/2021, $98.00

ISO/CIE DIS 23603, Standard method of assessing the spectral quality of daylight simulators for visual appraisal and measurement of colour - 7/22/2022, $71.00

Paints and varnishes (TC 35)

ISO/DIS 20567-4, Paints and varnishes - Determination of stone-chip resistance of coatings - Part 4: Mobile multi-impact testing on a small testing area - 7/22/2022, $58.00

Paper, board and pulps (TC 6)

ISO/DIS 23772, Pulps - Kraft liquor - Residual alkali (Hydroxide ion content) - 3/5/2022, $46.00

ISO/DIS 23774, Pulps - Kraft liquor - Total, active and effective alkali (Potentiometric titration) - 3/5/2022, $53.00

ISO/DIS 23777, Pulps - Kraft liquor - Hydrosulphide ion concentration - 3/5/2022, $53.00

Photography (TC 42)

ISO/DIS 22028-3, Photography and graphic technology - Extended colour encodings for digital image storage, manipulation and interchange - Part 3: Reference input medium metric RGB colour image encoding (RIMM RGB) - 3/10/2022, $82.00

Plain bearings (TC 123)

ISO/FDIS 3548-1, Plain bearings - Thin-walled half bearings with or without flange - Part 1: Tolerances, design features and methods of test - 11/9/2020, $82.00

Plastics (TC 61)

ISO/DIS 171, Plastics - Determination of bulk factor of moulding materials - 3/4/2022, $29.00

ISO/DIS 293, Plastics - Compression moulding of test specimens of thermoplastic materials - 7/23/2022, $46.00

ISO/DIS 1675, Plastics - Liquid resins - Determination of density by the pycnometer method - 3/4/2022, $33.00

ISO/DIS 4410, Experimental characterization of in-plane permeability of fibrous reinforcements for liquid composite moulding - 7/24/2022, $98.00

ISO/DIS 4768, Measurement method of anti-biofilm activity on plastic and other non-porous surfaces - 3/5/2022, $53.00

ISO/DIS 6401, Plastics - Poly(vinyl chloride) - Determination of residual vinyl chloride monomer - Gas-chromatographic method - 3/4/2022, $46.00

ISO/DIS 20753, Plastics - Test specimens - 7/24/2022, $67.00

Road vehicles (TC 22)

ISO/DIS 34503, Road Vehicles - Test scenarios for automated driving systems - Taxonomy for operational design domain - 7/28/2022, $93.00

ISO/DIS 5474-1, Electrically propelled road vehicles - Functional requirements and safety requirements for power transfer - Part 1: General requirements for conductive power transfer - 3/5/2022, $82.00

ISO/DIS 5474-2, Electrically propelled road vehicles - Functional requirements and safety requirements for power transfer - Part 2: AC power transfer - 3/5/2022, $88.00

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

ISO/FDIS 13209-2, Road vehicles - Open Test sequence eXchange format (OTX) - Part 2: Core data model specification and requirements - 1/16/2021, $194.00

ISO/DIS 15031-3, Road vehicles - Communication between vehicle and external equipment for emissions-related diagnostics - Part 3: Diagnostic connector and related electrical circuits: Specification and use - 7/23/2022, $33.00

ISO/DIS 16750-2, Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 2: Electrical loads - 3/6/2022, $107.00

Rubber and rubber products (TC 45)

ISO/DIS 188, Rubber, vulcanized or thermoplastic - Accelerated ageing and heat resistance tests - 7/18/2022, $82.00

ISO/DIS 5260, Epoxidized natural rubber - Determination of epoxidation and ring opening level by NMR spectrometry - 7/23/2022, $53.00

ISO/DIS 14932, Rubber compounding ingredients - Organic vulcanizing agents - Determination of organic peroxide content - 3/5/2022, $98.00

ISO/DIS 19043, Natural rubber latex concentrate - Determination of total phosphate content by spectrophotometric method - 7/28/2022, $46.00

ISO/DIS 24483, Epoxidised natural rubber - Specifications - 7/23/2022, $40.00

Safety of toys (TC 181)

ISO/DIS 8124-6, Safety of toys - Part 6: Certain phthalate esters in toys and childrens products - 7/21/2022, $107.00

Security (TC 292)

ISO/DIS 22342, Security and resilience - Protective security - Guidelines for the development of a security plan for an organization - 7/22/2022, $58.00

Ships and marine technology (TC 8)

ISO/DIS 5528, Ships and marine technology - Deep-sea hydraulic winch equipments - 7/21/2022, $40.00

ISO/FDIS 23678-1, Ships and marine technology - Service personnel for the maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear - Part 1: General requirements for training providers - 6/18/2021, $88.00

ISO/FDIS 23678-4, Ships and marine technology - Service personnel for the maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear - Part 4: Level 2 in-field competence - 6/18/2021, $134.00

Steel (TC 17)

ISO/FDIS 4943, Steel and cast iron - Determination of copper content - Flame atomic absorption spectrometric method - 8/28/2021, $67.00

Technical drawings, product definition and related documentation (TC 10)

ISO/FDIS 81346-10, Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 10: Power supply systems - 4/1/2021, $112.00

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

ISO/DIS 7176-31, Wheelchairs - Part 31: Lithium-ion battery systems and chargers for powered wheelchairs - Requirements and test methods - 7/28/2022, $62.00

Textiles (TC 38)

ISO/DIS 5773, Textiles - Determination of components in flax fibres - 7/25/2022, $53.00

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 - 3/4/2022, $88.00

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

ISO/FDIS 24166-1, Snap-on bottles for metering pumps - Part 1: Tubular glass - 5/6/2021, $77.00

ISO/FDIS 24166-2, Snap-on bottles for metering pumps - Part 2: Moulded glass - 5/6/2021, $71.00

ISO/FDIS 24166-3, Snap-on bottles for metering pumps - Part 3: Plastic - 5/6/2021, $71.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 24392, Cybersecurity - Security reference model for industrial Internet platform (SRM- IIP) - 7/25/2022, $102.00

ISO/IEC DIS 4396-4, Telecommunications and information exchange between systems - Future network recursive inter-network architecture - Part 4: Complete enrollment procedures - 7/21/2022, $33.00

ISO/IEC DIS 4396-5, Telecommunications and information exchange between systems - Future network recursive inter-network architecture - Part 5: Incremental enrollment procedures - 7/24/2022, $33.00

ISO/IEC DIS 4396-6, Telecommunications and information exchange between systems - Future network recursive inter-network architecture - Part 6: RINA data transfer service - 7/24/2022, $58.00

ISO/IEC DIS 4396-8, Telecommunications and information exchange between systems - Future network recursive inter-network architecture - Part 8: RINA general delimiting procedures - 7/24/2022, $40.00

ISO/IEC DIS 11179-1, Information technology - Metadata registries (MDR) - Part 1: Framework - 3/10/2022, $107.00

ISO/IEC DIS 11179-3, Information technology - Metadata registries (MDR) - Part 3: Metamodel for registry common facilities - 3/10/2022, $165.00

ISO/IEC DIS 11179-6, Information technology - Metadata registries (MDR) - Part 6: Registration - 3/10/2022, $125.00

ISO/IEC DIS 27006-1, Requirements for bodies providing audit and certification of information security management systems - Part 1: General - 7/25/2022, $125.00

ISO/IEC DIS 11179-31, Information technology - Metadata registries (MDR) - Part 31: Metamodel for data specification registration - 3/10/2022, $155.00

ISO/IEC DIS 11179-32, Information technology - Metadata registries (MDR) - Part 32: Metamodel for concept system registration - 3/10/2022, $146.00

ISO/IEC/IEEE DIS 24748-6, Systems and software engineering - Life cycle management - Part 6: System and software integration - 3/10/2022, $112.00

ISO/IEC/IEEE FDIS 15026-2, Systems and software engineering - Systems and software assurance - Part 2: Assurance case - 5/9/2021, $77.00

IEC Standards

65/924/CDV, IEC 63376 ED1: Industrial facility energy management system (FEMS) - Functions and Information Flows, 07/29/2022

106/572/DPAS, IEC PAS 63446 ED1: Conversion method of specific absorption rate to absorbed power density for the assessment of human exposure to radio frequency electromagnetic fields from wireless devices in close proximity to the head and body - Frequency range of 6 GHz to 10 GHz, 07/01/2022

46C/1226/NP, PNW TS 46C-1226 ED1: IEC/TS 61156-1-2/ed 1.0: Multicore and symmetrical pair/quad cables for digital communications - Part 1-2: Electrical transmission characteristics and test methods of symmetrical pair/quad cables, 07/29/2022

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

100/3766/CD, IEC 60728-114 ED1: Optical transmission systems using RFoG technology (TA5), 07/01/2022

100/3767/CD, IEC TR 63447-1 ED1: Form factor of smart mobile device - Part 1: Impact on multimedia services, 07/29/2022

100/3768/CD, IEC TR 63447-2 ED1: Form factor of smart mobile device - Part 2: Use cases of multimedia services, 07/29/2022

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

46/890(F)/FDIS, IEC 60966-2-8 ED1: Radio frequency and coaxial cable assemblies - Part 2-8: Detail specification for cable assemblies for radio and TV receivers - Frequency range up to 3000 MHz, Screening class A++, IEC 61169-47 connectors, 05/27/2022

Documentation and graphical symbols (TC 3)

3/1577/FDIS, ISO 81346-10 ED1: Industrial systems, installations and equipment and industrial products - Structuring principles and reference designation - Part 10: Power plants, 06/17/2022

Electric road vehicles and electric industrial trucks (TC 69)

69/837(F)/FDIS, IEC 63110-1 ED1: Protocol for management of electric vehicles charging and discharging infrastructures - Part 1: Basic definitions, use cases and architectures, 05/27/2022

Electrical equipment in medical practice (TC 62)

62B/1277(F)/FDIS, IEC 60601-2-33 ED4: Medical electrical equipment - Part 2-33: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis, 05/27/2022

Electrical installations of buildings (TC 64)

64/2558(F)/FDIS, IEC 60364-5-57 ED1: Low-voltage electrical installations - Part 5-57: Selection and erection of electrical equipment - Erection of stationary secondary batteries, 06/03/2022

Electromechanical components and mechanical structures for electronic equipments (TC 48)

48B/2948/CDV, IEC 61076-2-115 ED1: Connectors for electrical and electronic equipment - Product requirements - Part 2-115: Circular connectors - Detail specification for 12-pole connectors with 2 A rated current and push-pull locking IP65/IP67 with metal housing, 07/29/2022

48B/2952/CDV, IEC 61076-8-103 ED1: Connectors for electrical and electronic equipment - Product requirements - Part 8-103: Power connectors - Detail specification for 2P+PE circular connectors with 20 A rated current and push-pull locking IP65/IP67 with metal housing, 07/29/2022

48B/2953/CDV, IEC 61076-8-104 ED1: Connectors for electrical and electronic equipment - Product requirements - Part 8-104: Power connectors - Detail specification for 2-pole circular connectors with 40 A rated current and push-pull locking IP65/IP67 with metal housing, 07/29/2022

48B/2951/CDV, IEC 61076-8-107 ED1: Connectors for electrical and electronic equipment - Product requirements - Part 8-107: Power connectors - Detail specification for 2P 200 A, 1 000 V plus 2P 5 A 50 V rectangular housing shielded connectors with IP65/IP68 degree of protection when mated and locked, and IPXXB when unmated, 07/29/2022

48B/2950/CDV, IEC 61076-8-108 ED1: Connectors for electrical and electronic equipment - Product requirements - Part 8-108: Power connectors - Detail specification for 2P 250 A, 1 000 V plus 2P 5 A 50 V rectangular housing shielded connectors with IP65/IP68 degree of protection when mated and locked, and IPXXB when unmated, 07/29/2022

48B/2949/CDV, IEC 61076-8-109 ED1: Connectors for electrical and electronic equipment - Product requirements - Part 8-109: Power connectors - Detail specification for 2P 130 A, 1 000 V plus 2P 5 A 50 V rectangular housing shielded connectors with IP65/IP68 degree of protection when mated and locked, and IPXXB when unmated, 07/29/2022

48B/2964/FDIS, IEC 63171-4 ED1: Connectors for electrical and electronic equipment - Part 4: Detail specification for shielded or unshielded, free and fixed connectors with up to 8 ways for balanced single-pair data transmission with current carrying capacity - Mechanical mating information, pin assignment and additional requirements for Type 4, 06/17/2022

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

111/655/CDV, IEC 63333 ED1: General method for assessing the proportion of reused components in products, 07/29/2022

Equipment for electrical energy measurement and load control (TC 13)

13/1864(F)/FDIS, IEC 62055-31 ED2: Electricity metering - Payment systems - Part 31: Particular requirements - Static payment meters for active energy (classes 0,5, 1 and 2), 05/20/2022

Flat Panel Display Devices (TC 110)

110/1431/CD, IEC 62629-62-12 ED1: 3D Display Devices - Part 62-12: Measurement methods for virtual-image type - Image Quality, 07/29/2022

Fuel Cell Technologies (TC 105)

105/902/CDV, IEC 62282-6-401 ED1: Fuel cell technologies - Part 6-401: Micro fuel cell power systems - Power and data interchangeability - Performance test methods for laptop computers, 07/29/2022

Fuses (TC 32)

32B/719/CDV, IEC 60269-3 ED5: Low-voltage fuses - Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household or similar applications) - Examples of standardized systems of fuses A to F, 07/29/2022

Laser equipment (TC 76)

76/704/FDIS, IEC 60825-4 ED3: Safety of laser products - Part 4: Laser guards, 06/17/2022

Lightning protection (TC 81)

81/695/CDV, IEC 62305-1 ED3: Protection against lightning - Part 1: General principles, 07/29/2022

Maritime navigation and radiocommunication equipment and systems (TC 80)

80/1041/DPAS, IEC PAS 62923-101 ED1: Maritime navigation and radiocommunication equipment and systems - Bridge alert management - Part 101: Guideline on implementation, 07/01/2022

Measuring equipment for electromagnetic quantities (TC 85)

85/832/DTS, IEC TS 63383 ED1: Cybersecurity aspects of devices used for power metering and monitoring, power quality monitoring, data collection and analysis, 07/29/2022

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

113/663/CD, IEC TS 62607-2-6: Nanomanufacturing - Key control characteristics - Part 2-6: Carbon nanotube materials - Thermal diffusivity of vertically-aligned carbon nanotubes on solid substrates: flash method, 07/29/2022

113/668/CD, IEC TS 62607-6-26 ED1: Nanomanufacturing - key control characteriastics - Part 6-26: 2D materials - Fracture stain and stress, Youngs modulus, residual strain and stress: Bulge test, 07/29/2022

113/664/NP, PNW TS 113-664 ED1: IEC TS 62565-3-3: Nanomanufacturing - Material specifications - Part 3-3: Graphene-based material - Blank detail specification: Monolayer graphene, 07/29/2022

Performance of household electrical appliances (TC 59)

59K/350/DTS, IEC TS 63350 ED1: Household electric appliances - Specification of the properties of a digital system for measuring the performance, 07/29/2022

Power electronics (TC 22)

22F/685/CD, IEC 62927/AMD1 ED1: Amendment 1 - Voltage sourced converter (VSC) valves for static synchronous compensator (STATCOM) - Electrical testing, 07/29/2022

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

116/589/FDIS, IEC 62841-4-7 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-7: Particular requirements for pedestrian controlled walk-behind lawn scarifiers and aerators, 06/17/2022

116/602/NP, PNW 116-602 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-15: Particular requirements for transportable magnetic drills, 07/01/2022

Standard voltages, current ratings and frequencies (TC 8)

8B/116/CD, IEC TS 62898-1/AMD1 ED1: Amendment 1 - Microgrids - Part 1: Guidelines for microgrid projects planning and specification, 07/01/2022

8B/115/CD, IEC TS 62898-2/AMD1 ED1: Amendment 1 - Microgrids - Part 2: Guidelines for operation, 07/01/2022

Steam turbines (TC 5)

5/249/FDIS, IEC 60953-3 ED2: Rules for steam turbine thermal acceptance tests - Part 3: Thermal performance verification tests of retrofitted steam turbines, 06/17/2022

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

99/356/CDV, IEC 60071-2 ED5: Insulation co-ordination - Part 2: Application guidelines (Proposed horizontal standard), 07/29/2022

(TC)

CIS/I/655/CD, CISPR 32 ED3: Electromagnetic compatibility of multimedia equipment - Emission requirements, 07/29/2022

CIS/D/483/CDV, CISPR 36/AMD1 ED1: Amendment 1 - Electric and hybrid electric road vehicles - Radio disturbance characteristics - Limits and methods of measurement for the protection of off-board receivers below 30 MHz, 07/29/2022

SyCSmartCities/256/CD, IEC SRD 63233-2 ED1: Systems Reference Deliverable (SRD) - Smart City Standards Inventory and Mapping - Part 2: Standards Inventory, 07/29/2022

JTC1-SC25/3091/CD, ISO/IEC 14763-3 ED3: Information technology - Implementation and operation of customer premises cabling - Part 3: Testing of optical fibre cabling, 07/29/2022

JTC1-SC25/3092/CD, ISO/IEC 24383 ED1: Information technology - Physical network security for the accommodation of customer premises cabling infrastructure and information technology equipment, 07/29/2022

Transmitting equipment for radio communication (TC 103)

103/234/CDV, IEC 63098-4 ED1: Transmitting and receiving equipment for radiocommunication - Radio-over-fibre technologies and their performance standard - Part 4: Radio-over- fibre based indoor DAS (distributed antenna system) for 5G, 07/29/2022

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

Additive manufacturing (TC 261)

ISO/ASTM TR 52906:2022, Additive manufacturing - Non-destructive testing - Intentionally seeding flaws in metallic parts, $149.00

Cleanrooms and associated controlled environments (TC 209)

ISO 14644-9:2022, Cleanrooms and associated controlled environments - Part 9: Assessment of surface cleanliness for particle concentration, $149.00

ISO 14644-10:2022, Cleanrooms and associated controlled environments - Part 10: Assessment of surface cleanliness for chemical contamination, $175.00

Fine ceramics (TC 206)

ISO 5712:2022, Fine ceramics (advanced ceramics, advanced technical ceramics) - Method for measuring the power generation characteristics of piezoelectric resonant devices for stand-alone power sources, $111.00

Implants for surgery (TC 150)

ISO 7206-13:2016/Amd 1:2022, - Amendment 1: Implants for surgery - Partial and total hip joint prostheses - Part 13: Determination of resistance to torque of head fixation of stemmed femoral components - Amendment 1, $20.00

Light metals and their alloys (TC 79)

ISO 4155:2022, Magnesium and magnesium alloys - Determination of nickel - Inductively coupled plasma optical emission spectrometric method, $73.00

Road vehicles (TC 22)

ISO 16844-3:2022, Road vehicles - Tachograph systems - Part 3: Motion sensor communication interface, $149.00

ISO 16844-7:2022, Road vehicles - Tachograph systems - Part 7: Parameters, $225.00

ISO 26021-3:2022, Road vehicles - End-of-life activation of in-vehicle pyrotechnic devices - Part 3: Data definitions, $111.00

Small craft (TC 188)

ISO 9650-1:2022, Small craft - Inflatable liferafts - Part 1: Type 1 and type 2, $149.00

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

ISO 7176-32:2022, Wheelchairs - Part 32: Test method for wheelchair castor assembly durability, $73.00

Tourism and related services (TC 228)

ISO 23405:2022, Tourism and related services - Sustainable tourism - Principles, vocabulary and model, $73.00

ISO Technical Reports

Transport information and control systems (TC 204)

ISO/TR 4447:2022, Intelligent transport systems - Mobility integration - Comparison of two mainstream integrated mobility concepts, $149.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 23488:2022, Information technology - Computer graphics, image processing and environment data representation - Object/environmental representation for image-based rendering in virtual/mixed and augmented reality (VR/MAR), $111.00

ISO/IEC 24458:2022, Information technology - Automatic identification and data capture techniques - Bar code printer and bar code reader performance testing specification, $225.00

IEC Standards

Fibre optics (TC 86)

IEC 62150-6 Ed. 1.0 b:2022, Fibre optic active components and devices - Test and measurement procedures - Part 6: Universal mezzanine boards for test and measurement of photonic devices, $183.00

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

IEC/IEEE 63195-1 Ed. 1.0 b:2022, Assessment of power density of human exposure to radio frequency fields from wireless devices in close proximity to the head and body (frequency range of 6 GHz to 300 GHz) - Part 1: Measurement procedure, $430.00

IEC/IEEE 63195-2 Ed. 1.0 b:2022, Assessment of power density of human exposure to radio frequency fields from wireless devices in close proximity to the head and body (frequency range of 6 GHz to 300 GHz) - Part 2: Computational procedure, $392.00

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

IEC 62841-4-2 Amd.1 Ed. 1.0 b:2022, Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-2: Particular requirements for hedge trimmers, $310.00

IEC 62841-4-2 Ed. 1.1 b:2022, Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-2: Particular requirements for hedge trimmers, $886.00

Semiconductor devices (TC 47)

IEC 63275-2 Ed. 1.0 b:2022, Semiconductor devices - Reliability test method for silicon carbide discrete metal-oxide semiconductor field effect transistors - Part 2: Test method for bipolar degradation due to body diode operation, $51.00

Solar thermal electric plants (TC 117)

IEC 62862-5-2 Ed. 1.0 en:2022, Solar thermal electric plants - Part 5-2: Systems and components - General requirements and test methods for large-size linear Fresnel collectors, $259.00

IEC Technical Reports

Fibre optics (TC 86)

IEC/TR 61292-1 Ed. 3.0 en:2022, Optical amplifiers - Part 1: Parameters of optical fibre amplifier components, $259.00

IEC/TR 61282-16 Ed. 1.0 en:2022, Fibre optic communication system design guidelines - Part 16: Coherent receivers and transmitters with high-speed digital signal processing, $417.00

International Electrotechnical Commission (IEC)

NEMA is relinquishing its role as the USNC TAG Administrator for the USNC TAG to IEC/TC 96. The USNC is looking for a new organization to take on this USNC TAG Administratorship.

Please note that according to the rules and procedures of the USNC, a USNC TAG cannot exist without a USNC TAG Administrator. If we cannot find a new USNC TAG Administrator, the USNC will have to withdraw from international participation and register with the IEC as a Non-Member of this Committee.

If an organization is interested in the position of USNC TAG Administrator for the USNC TAG to IEC/TC 96, they are invited to contact Betty Barro at bbarro@ansi.org by June 3, 2022.

USNC TAG Administrator - Organization Needed

TC 96 - Transformers, reactors, power supply units, and combinations thereof

Comment Deadline: June 3, 2022

Standardization in the field of safety, EMC, EMF, energy efficiency and environmental aspects of transformers, reactors, power supply units, and combinations thereof. The standardization does not cover transformers, reactors and power supply units intended to be a part of distribution networks (covered by TC 14).

TC 96 has group safety function in accordance with IEC Guide 104 for transformers other than those intended to supply distribution networks, in particular transformers and power supply units intended to allow the application of protective measures against electric shock as defined by TC 64, with no limitation of rated output power, but in certain cases including limitation of voltage.

The general limitations for voltages are:
- rated supply voltage not exceeding 1 000 V a.c.;
- rated output voltage not exceeding 1 000 V a.c. or 1 500 V ripple free d.c.; however, internal voltages may exceed 1 000 V a.c. or 1 500 V ripple free d.c. For high-voltage applications, other than distribution networks (covered by TC 14), the rated output voltage can exceed 1 000 V a.c. or 1 500 V ripple free d.c. but the no load output voltage shall not exceed 15 000 V a.c. or 15 000 V d.c.

The general limitations for the rated output are:
- The maximum rated output depends on the type of transformer or linear power supply unit does in most cases not exceed 25 kVA for single-phase products and 40 kVA for three phase products;
- the maximum rated output does not exceed 1 kVA for both single-phase and three phase Switch Mode Power Supplies;
- the general limitations for the rated core power are 25 kVA for single-phase auto transformers and 40 kVA for three phase auto transformers;
- the general limitations for the rated power are 50 kvar for single-phase reactors and 80 kvar for three phase reactors. For special transformers, reactors and power supply units and combinations thereof there are no limitation of rated output, rated core power and rated power.

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 281 – Fine bubble technology

Comment Deadline: May 27, 2022

ANSI has been informed that the International Sanitary Supply Association (ISSA), the ANSI-accredited U.S. TAG Administrator for ISO/TC 281 – Fine bubble technology, wishes to relinquish their role as U.S. TAG Administrator.
ISO/TC 281 operates under the following scope:

Standardization in the field of Fine Bubble Technology covering general principles including terminology, characterization and applications of fine bubbles of gas in a typically but not exclusively liquid medium. The artificially manufactured fine bubbles of typically smaller than 100 micrometres in size are considered.

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG should contact ANSI's ISO Team (isot@ansi.org).

ISO Proposal for a New Field of ISO Technical Activity

Online catering service

Comment Deadline: June 10, 2022

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on Online catering service, with the following scope statement:

Standardization in the field of online catering service. The scope will include, but is not limited to:
· *Vocabulary, principles, and framework of online catering service,*
· *Guidelines for service of online catering service providers, including physical restaurants, virtual kitchens/virtual restaurants*
· *Contents and methods of meal display and information description on online catering service website/App, and accessible online ordering,*
· *Operation management of online catering service providers, including purchasing and inventory, marketing,*
· *Monitoring, evaluation, and improvement of service.*

Excluded: Standardization covered by ISO/TC 34/SC 17(food safety management), ISO/TC 122(Packaging), ISO/TC 228/WG 16(Tourism and related services - Restaurants), ISO/TC 268/SC 2(Sustainable cities and communities - Sustainable mobility and transportation), ISO/TC 290(Online reputation) and ISO/TC 315(Cold chain logistics), and ISO/TC 326(Machinery intended for use with foodstuffs)
Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 10, 2022.

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Smart Distribution in Logistics

Comment Deadline: June 3, 2022

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on Smart Distribution in Logistics, with the following scope statement:
The scope of the proposed new technical committee is to standardize services, techniques application and management in the field of distribution in logistics, specifically including the process of distributing goods from manufacturer or distributor to regional hub, distribution center, and ultimately to businesses such as urban retailers, and to improve the quality, safety and efficiency of distribution operations, and to enhance the stability, flexibility and sustainability of distribution in logistics.
The scope will include, but is not limited to;
· *Development of general requirement, framework, metrics, guidance, performance indicator, evaluation for smart distribution in logistics, etc.;*
· *Provision of service assurance for smart distribution in logistics (e.g. smart operation of distribution center, freight fleet management, education and training for operators, etc.)*
· *Operation, service and synergy optimization of distribution in logistics (e.g. order processing, cargo consolidation, sorting, picking, storage, repackaging and protective handling, loading, unloading, capacity allocation, shipping, distribution, other customized services, etc.)*

Excluded:
· *ISO/TC 22 Road vehicles*
· *ISO/TC 34 Food products*
· *ISO/TC122 Packaging*
· *ISO/TC 204 Intelligent transport systems*
· *ISO/TC 268 Sustainable cities and communities*
· *ISO/TC 315 Cold chain logistics*
· *ISO/TC 321 Transaction assurance in E-commerce*

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 3, 2022.

Meeting Notices (International)

ANSI Accredited U.S TAG to ISO

TC 299, Robotics

Meeting Times May through November 2022

Meeting Series: U.S. TAG to ISO TC 299, Robotics, Official Monthly Meeting Sessions through 2022
Meeting Format & Location: Remote via Teams
Virtual Meeting Frequency: Monthly, 3rd Wednesday of the month, unless otherwise specified as follows
Meeting Sponsor/Host: A3, the Association for Advancing Automation
Purpose: Prepare for U.S. participation in upcoming meetings and ballots for ISO TC 299 and its Working Groups

Day/Date/Time for Virtual Session:
Wednesday, May 25, 2022; 2:30 PM – 4:00 PM (Eastern Time) / 11:30 AM – 1:00 PM (PT)
Wednesday, June 15, 2022; 1:00 PM – 5:15 PM (Central Time) / 11:00 AM – 3:15 PM (PT)
Wednesday, July 27, 2022; 2:30 PM – 4:00 PM (Eastern Time) / 11:30 AM – 1:00 PM (PT)
Wednesday, August 17, 2022; 2:30 PM – 4:00 PM (Eastern Time) / 11:30 AM – 1:00 PM (PT)
Wednesday, September 21, 2022; 2:30 PM – 4:00 PM (Eastern Time) / 11:30 AM – 1:00 PM (PT)
Wednesday, October 19, 2022; 2:30 PM – 4:00 PM (Eastern Time) / 11:30 AM – 1:00 PM (PT)
Wednesday, November 16, 2022; 2:30 PM – 4:00 PM (Eastern Time) / 11:30 AM – 1:00 PM (PT)

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

Registration of Organization Names in the United States

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

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

ABYC H-41 July 20XX

Hull Division Standard

Hull and Deck Structures Project Technical Committee

The ABYC Standards and Technical Information Reports for Small Craft are the product of a consensus of representatives of government, industry, and public sectors. It is intended solely as a guide to aid manufacturers and the marine community in the design, construction, equipage, and maintenance of small craft.

ABYC reviews each standard at least every five years at which time it may be reaffirmed, revised, or withdrawn. ABYC welcomes any written comments on the standards and technical information reports.

ABYC H-41

REBOARDING MEANS, LADDERS, HANDHOLDS, RAILS, AND LIFELINES

ABYC H-41
3/10/2022
*** * * RESTRICTED USE * * ***

This document is an excerpt of H-41 prepared for a second ballot. It is in the process of development and is for ABYC committee use only. It shall not be reproduced, circulated, quoted or referenced in whole or in part, outside of ABYC committee activities, except with the approval of the Technical Director of ABYC, and the chairman of the Technical Board of directors of the Council.

41.5 ***HANDHOLD DEVICES***

41.5.1 Weatherdecks intended for occupancy at boat speeds not exceeding five mph, such as for handling ground tackle and dock lines, shall be provided with handhold devices or grab rails.

EXCEPTION: Such devices are not required for the helmsman, or in areas fitted with liferails, deckrails, or lifelines installed in accordance with H-41.6.

41.5.2 Handhold devices or grab rails shall be installed to assist personnel in the use of companionways, ladders, and stairways.

41.5.3 Handhold devices or grab rails shall be provided for exterior designated occupant positions.

EXCEPTIONS:
1. Type B seats as described in ABYC H-31, Seat Structures.
2. At the helm position.
3. *Center seat(s) on bench seats with three or more capacity.*

41.5.4 ***Construction and Installation***

41.5.4.1 All handhold devices and grab rails shall be securely fastened.

41.5.4.2 All handhold devices and grab rails shall withstand a load of 400 lb (182 kg), in any direction, at any point, along their length without failure such that they no longer perform their intended purpose. This load shall be applied over a horizontal centered length not to exceed four inches (101 mm).

EXCEPTION: Handhold devices and grab rails on inflatable boats meeting strength requirements in H-28, Inflatable Boats.

41.5.5 ***Tubular Handhold Devices***

41.5.5.1 Where handhold devices or grab rails consist of piping or tubing supported by stanchions, the diameter of the pipe or tubing shall not be less than 0.75 inch (19.0 mm) nor more than 1.5 inches (38.1 mm) for round tubing; for any other shape a minimum circumference of 2.35 in (59.7 mm) and a maximum circumference of 4.7 inches (119.4 mm).

41.5.5.2 The clearance between the adjacent surfaces and the railing shall not be less than 1.25 inches (31.8 mm), and

41.5.5.3 the rail shall not rotate when subjected to a torque of 10 ft. lbs. (13.6 Nm), and

41.5.5.4 the termination shall not include a closure angle less than 45 degrees (see FIGURE 1).

41.5.6 ***SOLID HANDHOLD DEVICES***

41.5.6.1 Solid handhold devices shall protrude a minimum of 2 inches (50.8 mm) from the mounting surface, and

41.5.6.2 have a minimum width or recess of 0.75 inches (41.3 mm).

41.5.6.3 Solid handhold devices shall have at least 1.25 in (31.8 mm) clearance between the design gripping surface and any adjacent surfaces.

41.5.7 ***Flexible Handholds***

41.5.7.1 The flexible handholds shall have a minimum width or diameter not less than 0.75 in (19 mm).

41.5.7.2 When in use, the clearance between the adjacent surfaces and the handhold designed gripping surface shall not be less than 1.25 in (31.8 mm) for a length of at least four inches (102 mm).

CHAPTER D

Commented [CD1]: See revisions in Table D1.1a.

GENERAL MEMBER AND CONNECTION DESIGN REQUIREMENTS

This chapter addresses general requirements for the design of members and connections.

The chapter is organized as follows:

D1. Member Requirements
D2. Connections
D3. Deformation Compatibility of Non-SFRS Members and Connections
D4. H-Piles

D1. MEMBER REQUIREMENTS

Members of moment frames, braced frames, and shear walls in the seismic force-resisting system (SFRS) shall comply with the *Specification* and this section.

1. Classification of Sections for Ductility

When required for the systems defined in Chapters E, F, G, H, and Section D4, members designated as moderately ductile members or highly ductile members shall comply with this section.

1a. Section Requirements for Ductile Members

Structural steel sections for both moderately ductile members and highly ductile members shall have flanges continuously connected to the web or webs.

Encased composite columns shall comply with the requirements of Section D1.4b.1 for moderately ductile members and Section D1.4b.2 for highly ductile members.

Filled composite columns shall comply with the requirements of Section D1.4c for both moderately and highly ductile members.

Concrete sections shall comply with the requirements of ACI 318, Section 18.4, for moderately ductile members and ACI 318, Sections 18.6, 18.7, and 18.8, for highly ductile members.

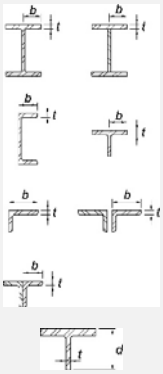
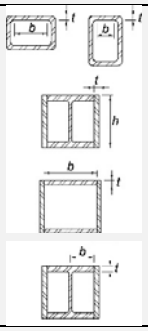
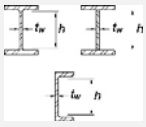
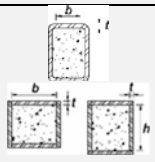
1b. Width-to-Thickness Limitations of Steel and Composite Sections

For members designated as moderately ductile, the width-to-thickness ratios of compression elements shall not exceed the limiting width-to-thickness ratios, λ_{md}, from Table D1.1.

For members designated as highly ductile, the width-to-thickness ratios of compression elements shall not exceed the limiting width-to-thickness ratios, λ_{hd}, from Table D1.1.

Commented [CD2]: Revisions to Table D1.1a are in Cases 2 and 3; the coefficients in the limiting width-to-thickness ratios have been revised to revert to the 2016 values.

TABLE D1.1a
Width-to-Thickness Ratios: Compression Elements
Diagonal Braces

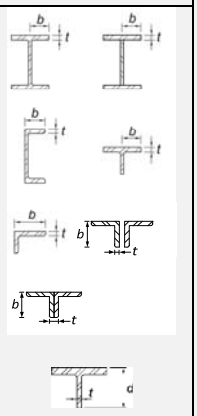
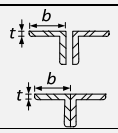
	Case	Description of Element	Width-to-Thickness Ratio	Limiting Width-to-Thickness Ratio		Example
				λ_{hd} Highly Ductile Members	λ_{md} Moderately Ductile Members	
Stiffened Elements	1	1) Flanges of rolled or built-up I-shaped sections 2) Flange and stem of rolled or built-up tees 3) Flanges of rolled or built-up channels 4) Legs of single angles or double-angle members with separators 5) Outstanding legs of pairs of angles in continuous contact	b/t d/t	$0.30\sqrt{\frac{E}{R_yF_y}}$	$0.38\sqrt{\frac{E}{R_yF_y}}$	
	2	1) Walls of rectangular HSS[a] 2) Flanges and side plates of boxed I-shaped sections 3) Walls of box sections	b/t h/t	~~$0.55\sqrt{\frac{E}{R_yF_y}}$~~ $0.65\sqrt{\frac{E}{R_yF_y}}$	~~$0.64\sqrt{\frac{E}{R_yF_y}}$~~ $0.76\sqrt{\frac{E}{R_yF_y}}$	
	3	Walls of round HSS[a]	D/t	~~$0.038\frac{E}{R_yF_y}$~~ $0.053\frac{E}{R_yF_y}$	~~$0.044\frac{E}{R_yF_y}$~~ $0.062\frac{E}{R_yF_y}$	
	4	Webs of rolled or built-up I-shaped sections and channels	h/t_w	$1.49\sqrt{\frac{E}{R_yF_y}}$	$1.49\sqrt{\frac{E}{R_yF_y}}$	
	5	Walls of filled rectangular HSS and box sections.[a]	b/t h/t	$1.4\sqrt{\frac{E}{R_yF_y}}$	$2.26\sqrt{\frac{E}{R_yF_y}}$	

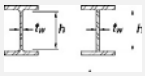
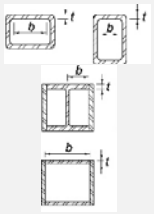
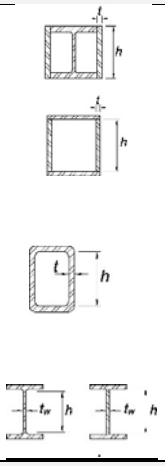
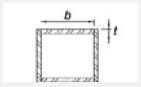
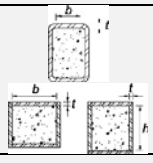
	6	Walls of filled round HSS sections[a]	D/t	$0.076\frac{E}{R_yF_y}$	$0.15\frac{E}{R_yF_y}$	

[a] The design wall thickness, 0.93*t*, shall be used in the calculations involving the wall thickness of hollow structural sections (HSS), as defined in *Specification* Section B4.2.

35

TABLE D1.1b
Width-to-Thickness Ratios: Compression Elements
All Members Except Diagonal Braces

	Case	Description of Element	Width-to-Thickness Ratio	Limiting Width-to-Thickness Ratio		Example
				λ_{hd} Highly Ductile Members	λ_{md} Moderately Ductile Members	
Unstiffened Elements	7	1) Flanges of rolled or built-up I-shaped sections 2) Flange and stem of rolled or built-up tees 3) Flanges of rolled or built-up channels 4) Legs of single angles or double-angle members with separators 5) Outstanding legs of pairs of angles in continuous contact	b/t d/t	$0.30\sqrt{\frac{E}{R_yF_y}}$	$0.38\sqrt{\frac{E}{R_yF_y}}$	
	8	Horizontal legs of double-angle members with separators or in continuous contact	b/t	$0.47\sqrt{\frac{E}{R_yF_y}}$	$0.54\sqrt{\frac{E}{R_yF_y}}$	
	9	Flanges of H-pile sections per Section D4	b/t	not applicable	$0.45\sqrt{\frac{E}{R_yF_y}}$	
Stiffened	10	Webs of H-pile sections	h/t_w	not applicable	$1.50\sqrt{\frac{E}{R_yF_y}}$	

	11	For moment frames, where used in beams or columns, as webs in flexure, or combined axial and flexure: Webs of rolled or built-up I-shaped sections and channels	h/t_w	$2.5(1-C_a)^{2.3}\sqrt{\frac{E}{R_yF_y}}$ [b]	$5.4(1-C_a)^{2.3}\sqrt{\frac{E}{R_yF_y}}$ [b]	
	12	Where used in beams or columns as flanges in uniform compression due to flexure or combined axial and flexure: 1) Flanges of rectangular HSS[a] 2) Flanges of boxed I-shaped sections 3) Flanges of box sections	b/t	$0.55\sqrt{\frac{E}{R_yF_y}}$	$1.00\sqrt{\frac{E}{R_yF_y}}$	
	13	Where used in beams, columns, or links, as webs in flexure, or combined axial and flexure: 1) Side plates of boxed I-shaped sections 2) Webs of rectangular HSS[a] 3) Webs of box sections 4) Except for moment frames, webs of rolled or built-up I-shaped sections and channels	h/t	For $C_a \le 0.113$ [b] $2.45(1-1.04C_a)\sqrt{E/R_yF_y}$ For $C_a > 0.113$ $2.26(1-0.38C_a)\sqrt{E/R_yF_y}$ $\ge 1.56\sqrt{E/R_yF_y}$	For $C_a \le 0.113$ [b] $3.76(1-3.05C_a)\sqrt{E/R_yF_y}$ For $C_a > 0.113$ $2.61(1-0.49C_a)\sqrt{E/R_yF_y}$ $\ge 1.56\sqrt{E/R_yF_y}$	
	14	Flanges of box sections used as link beams	b/t	$0.55\sqrt{\frac{E}{R_yF_y}}$	$0.64\sqrt{\frac{E}{R_yF_y}}$	
	15	Webs of box sections used as EBF links	h/t	$0.64\sqrt{\frac{E}{R_yF_y}}$	$1.67\sqrt{\frac{E}{R_yF_y}}$	
	16	Walls of round HSS[a]	D/t	$0.038\frac{E}{R_yF_y}$	$0.07\frac{E}{R_yF_y}$	
Composite	17	Flanges and webs of filled rectangular HSS and box sections.[a]	b/t h/t	$1.4\sqrt{\frac{E}{R_yF_y}}$	$2.26\sqrt{\frac{E}{R_yF_y}}$	

	18	Walls of filled round HSS sections[a]	D/t	$0.076\frac{E}{R_yF_y}$	$0.15\frac{E}{R_yF_y}$	

[a] The design wall thickness, $0.93t$, shall be used in the calculations involving the wall thickness of hollow structural sections (HSS), as defined in *Specification* Section B4.2.

[b] $C_a = \frac{\alpha_s P_r}{R_y F_y A_g}$

where

A_g = gross area, in.^{2} (mm^2)
E = modulus of elasticity of steel = 29,000 ksi (200 000 MPa)
F_y = specified minimum yield stress, ksi (MPa)
P_r = required axial strength using LRFD or ASD load combinations, kips (N)
R_y = ratio of the expected yield stress to the specified minimum yield stress
α_s = LRFD-ASD force level adjustment factor = 1.0 for LRFD and 1.5 for ASD

36

BSR/ASHRAE Addendum l
to ANSI/ASHRAE Standard 15-2019

Third Public Review Draft

Proposed Addendum l to Standard 15-2019, Safety Standard for Refrigeration Systems

Third Public Review (May 2022)
(Draft shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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

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

FOREWORD

This proposed addendum l to ANSI/ASHRAE Standard 15-2019 modifies portions of the document to incorporate requirements for commercial refrigeration applications with the use of A2L, A2, and A3 refrigerants. The text developed is in response to CMP 0004-001 based on information and requirements in conjunction with proposed product safety standard UL/CSA 60335-2-89, as well as research performed in collaboration of AHRI, ASHRAE, the U.S. Department of Energy, California Energy Commission.

The proposed change in this 3rd Publication Public Review (PPR) Independent Substantive Change (ISC) was inadvertently excluded from the 2nd PPR-ISC draft; this ISC draft makes changes to the text of the 1st Publication Public Review draft of this proposed addendum.

Note: This public review draft of addendum *l* makes proposed independent substantiative changes to the previous public review draft. These substantive changes to the previous public review draft and related changes to Standard 15-2019 are indicated by blue-colored text with double-underlining (for additions) and red-colored text with ~~strikethrough~~ (for deletions), except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard shown in blue or red text 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 l to Standard 15-2019

Modify Section 7 as follows. The remainder of Section 7 remains unchanged.

7. RESTRICTIONS ON REFRIGERANT USE

[…]

7.5.3 Higher-Flammability *Refrigerants*. Group A3 and B3 *refrigerants shall not* be used except where *approved* by the *AHJ*.

Exceptions to 7.5.3:

~~1. This restriction does not apply to laboratories with more than 100 ft^2 (9.3 m^2) of space per person.~~

~~2. This restriction does not apply to industrial *occupancies*.~~

~~3. This restriction does not apply to *listed self-contained systems* containing no more than 0.331 lb (150 g) of Group A3 *refrigerant*, provided that the equipment is installed in accordance with the listing and the *manufacturer's* installation instructions.~~

1~~4~~. This restriction does not apply to equipment *listed* to UL 60335-2-89/CSA C22.2 No. 60335-2-89 containing no more than 0.459 × *LFL* (lb), where *LFL* is in pounds per 1000 ft^3 (13 × *LFL* [kg], where *LFL* is in kg/m^3) of Group A3 *refrigerant*, provided that the equipment is installed in accordance with the listing and the *manufacturer's* installation instructions. Refrigeration systems containing more than 0.141 × *LFL* (lb) (4 × *LFL* [kg]) in an *independent circuit shall not* be installed within 20 ft of an open flame.

2~~5.~~ This restriction does not apply to equipment *listed* to UL 60335-2-40/CSA C22.2 No. 60335-2-40 containing no more than 0.106 × *LFL* (lb) (3 × *LFL* [kg]) of Group A3 *refrigerant*, provided that the equipment is installed in accordance with the listing and the *manufacturer's* installation instructions.

3. This restriction does not apply to refrigeration systems located in *machinery rooms* or outdoors.

CTA-2051-A, Wearable Sound Amplifier Performance Criteria

~~Personal Sound Amplification~~Wearable Sound Amplifier Performance Criteria

1 SCOPE

This standard includes technical performance metrics and associated target values for consumer products that provide ~~personal~~ wearable sound amplification and/or audio enhancement to a user. Products shall meet the stated requirements to be considered as compliant to this standard. ~~Personal~~ Wearable sound amplification may be a single function within a larger set of device capabilities.

2 REFERENCES

2.1 Normative Reference List

1. ANSI S3.22, *Specification of hearing aid characteristics*, November 2014 (R2020), https://asastandards.org.

2.2 Informative Reference List

1. ANSI/S1.1, *Acoustical terminology*, October 2013(R2020), https://asastandards.org.
2. ANSI/S3.2, *Method for measuring the intelligibility of speech over communication systems*, December 2020, https://asastandards.org.
3. ANSI/S3.25, *Occluded Ear Simulator*, August 2009(R2014), https://asastandards.org.
4. ANSI/S3.30, *Bioacoustical terminology*, 1995 (R2008), https://asastandards.org.
5. ANSI/S3.35, *Method of measurement of performance characteristics of hearing aids under simulated real-ear working conditions*, September 2021, https://asastandards.org.
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11. IEC-60118-13, *Electroacoustics – Hearing aids – Part 13: Electromagnetic compatibility (EMC),* October 2019, http://www.iec.ch.

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~~14. ISO-12124-2001, Acoustics – Procedures for the measurement of real-ear acoustical characteristics of hearing aids~~

~~15.~~14. ISO-11904-2, *Acoustics - Determination of sound emission from sound sources placed close to the ear - Part 2: Technique using a manikin*, March 2021, https://www.iso.org.

~~16.~~15. IEEE-269~~-2010~~, IEEE Standard Methods for Measuring Transmission Performance of Analog and Digital Telephone Sets, Handsets, and Headsets, January 2010, https://www.ieee.org/.

3 DEFINITIONS

Hearing Device: A ~~hearing device is a~~ny wearable sound amplifier that is ~~including but not limited to a~~ FDA regulated ~~hearin~~.~~], any non-FDA regulated sound amplifier or consumer electronic wearable sound amplifier device that provides amplification or~~

OTC Hearing Aid: Refers to the ~~FDA regulated~~hearing device category 800.30 for Over The Counter hearing aids

Wearable Sound Amplifier Device: Refers to consumer products that provide wearable sound amplification or audio enhancement to a user.

4 CRITERIA FOR STANDARDIZATION

Three categories of standardization level that shall be used to provide basic standards for ~~safet~~performance~~y~~ and efficacy of ~~hearing~~ wearable sound amplifier devices and are defined and described below.

Category 1: The description of a ~~hearing~~ wearable sound amplifier device performance parameter which ~~must~~ shall include the value measured per the specified testing method. Category 1 requirements include a threshold or acceptable range for the parameter measured.

Category 2: The description of a wearable sound amplifier ~~hearing~~ device performance parameter which ~~must~~ shall include the value measured per the specified testing method. Category 2 requirements do not include a threshold or acceptable range for the parameter measured.

Category 3: Presence of the technological capability or feature shall be reported in the wearable sound amplifier~~hearing~~ device description. The specific value/metric for measurement of this value is not within the scope of the standard.

Measurements in this standard specify the use of tones (sine waves) as a stimulus signal. It is recognized that many devices will include non-linear audio processing (DSP) (for example, wide dynamic range compression, noise suppression, multiband equalization) that may cause unexpected test results when tones are used as test stimulus

signals. Therefore, when performing measurements using tones as specified in Section 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, and 4.7, any non-linear signal processing should be disabled.

4.1 Frequency Response Bandwidth (Category 1)

Frequency Response Bandwidth of a wearable sound amplifier device ~~sound reproduction system~~ relates to the portion of the input acoustic spectrum that the device can provide to a user. A consistent methodology for measurement (relative to a common reference) and assessment of the spectrum width provides the consumer a means to compare and evaluate competing systems.

The upper and lower cut off frequencies are defined as the frequencies at which the estimated insertion response falls 10 dB relative to the average level of the insertion gain in the one-third octave bands ~~from~~ shall as a minimum include 500 Hz to 3150 Hz which correlate to speech sound frequencies ~~for the English~~in spoken language.~~.~~

Frequency response bandwidth ~~shall~~ should be reported and labeled on the packaging ~~per FDA. and/or FCC and/or UL requirements and published guidelines for all Class 1 or Class 2 hearing devices..~~

Method: Frequency response is measured in a 2cc coupler according to ANSI S3.22-2014 using an 80 dB SPL input signal. The one-third-octave insertion gain response shall be calculated from the values of the pressure response measured in a 2cc coupler or an occluded ear-simulator coupler (as specified in IEC 60318-4, commonly called a "711" coupler).

To obtain the one-third-octave insertion response, the appropriate CORFIG corrections needed to obtain insertion gain are used in each case. These CORFIG corrections are shown in Tables 4.1A and 4.1B for the 2cc coupler and the occluded ear-simulator coupler, respectively. When bandwidths above 8 kHz are to be verified the occluded ear simulator coupler ~~must~~ shall be used. The components underlying the overall CORFIGs are given in Table 4.1C. For example, it shows that the choice of microphone location generally results in a small correction.

The corrections provided are applicable for hearing devices with microphone positions that are typical for ~~in the ear (ITE) and behind the ear (BTE) device configurations~~ wearable hearing amplifier devices. If a hearing device with a microphone position other than described above is to be tested, then an appropriate correction to a diffuse field simulation may be needed to account for the device's microphone position in addition to the corrections for the ear simulator coupling.

4.2 Frequency Response Smoothness (Category 1)

Frequency Response Smoothness of a ~~sound reproduction~~wearable sound amplifier devices ~~system~~ relates to user shall provide an experience of fidelity or consistent performance across frequency. A limit on maximum deviation is specified to ensure that sufficient smoothness is achieved.

4.3 Maximum Acoustic Output (Category 1)

Maximum Acoustic Output of a wearable sound amplifier device relates to user comfort, ~~in particular~~and shall ~~to~~ avoid uncomfortably loud sounds. A criterion for maximum output provides a minimum performance standard for user comfort.

The maximum OSPL90 output level shall not exceed 120 dB SPL measured in a 2cc coupler for FDA regulated 800.30 over-the-counter hearing aids, any wearable sound amplifier device that provides amplification or gain. Refer to ANSI S3.22-2014 for OSPL90 measurement conditions.

4.4 Distortion Control Limits (Category 1)

Distortion of a wearable sound amplifier device relates to user experience and shall provide~~of~~ fidelity or faithful reproduction of the sound input. A maximum criterion for distortion provides a minimum performance standard.

The minimum analyzer bandwidth for measuring THD+N shall be the advertised frequency limits of the device.

4.4.1 Output Distortion

Using a 500 Hz tone as input, the THD+N shall not exceed 5% for outputs of 70 dB SPL and 100 dB SPL.

4.4.2 Input Distortion

THD+N shall not exceed 5% with a 500-Hz tone input applied to the microphone of the device at an input level of 100 dB SPL.

NOTE 1: If a 500 Hz 1/3rd octave pulsed-noise signal (such as that specific in IEEE-269) is used, then the input signal level applied shall be 97 dB SPL. This adjustment is made to account for the higher peak-to-rms ratio of the 1/3rd octave pulsed-noise test signal.

NOTE 2: A 100 dB SPL-rms sine wave has a 103 dB peak output which corresponds to approximately 90 dB SPL-rms speech and music as measured with a sound level meter (Fast).

4.5 Self-generated Noise Levels (Category 1)

Self-generated noise relates to noise at the device output that is not present in the input sound. Such noise can potentially mask soft but desirable sounds. A criterion for maximum self-generated noise shall provides a minimum performance standard.

Category 2

Where ~~device~~ the wearable sound amplifier device function is limited by a minimum voltage requirement* that exceeds the battery rated full discharge voltage, the capacity rating shall be de-rated to coincide with the minimum required operating voltage on the typical battery discharge curve for the current discharge rate.

4.6 Latency (Category 2)

Latency of a wearable sound amplifier device relates to user experience of temporal fidelity or time alignment of the reproduced sound with the original. The critical aspect of latency relates to the perception of one's own voice when speaking, whereby the signal from the device interacts with one's voice heard naturally through bone and air conduction. Excess latency tends to inhibit speech. Latency ~~should~~ shall not exceed 15 ms.

4.7 RF-Immunity (Category 2)

Immunity shall be measured in accordance with ANSI C63.19-201~~1~~9 and the M and T ratings reported. An immunity of M2/T2 or better is recommended.

4.8 Fixed or Level Dependent Frequency Equalization - Tone Control (Category 3)

Manufacturers shall report if ~~device~~ wearable sound amplifier =device tone controls are present and, if so, how they operate. Some tone controls enable a user to adjust the frequency response which is then fixed independent of level either on the wearable sound amplifier device [or hearing device] and/or via a ~~mobile~~ software application. Others change the frequency response versus input level without user interaction, i.e., automatically according to the manufacturer's algorithm. Combinations of the above also exist.

4.9 Level Dependent Gain/Compression (Category 3)

Manufacturers ~~should~~ shall provide qualitative information identifying the functional compression/automatic gain of the device. This description should classify the compression/automatic gain characteristic(s) of the device as Multiband, Single Band, or none (Linear) and whether it is Wide Dynamic Range Compression and/or Limiting.

4.10 Noise Reduction (Category 3)

Beyond the techniques in Section 4.12, other noise-reduction algorithms exist that attempt to mitigate the deleterious effects of ambient, non-desired background noise while minimizing degradation of a desired signal (example: Speech sounds, nature sounds, or music).

The manufacturer shall report whether a noise reduction feature is included.

4.11 Feedback Control / Cancellation (Category 3)

The manufacturer ~~will~~ shall indicate whether feedback control/cancellation signal processing is included.

4.11.1 General

~~Current and future~~The ~~t~~technological development of a wearable sound amplifier device may ~~benefit from~~introduce methods ~~to introduce~~of personalization. ~~into the device frequency tuning or performance functionality.~~ Forms of personalization may be derived from standard referenced psychophysical methodologies or novel proprietary methods. Personal response characteristics which modify the device functionality that may be of benefit to the user ~~include, but~~includeing but ~~are~~ not limited to: a user's personal hearing thresholds as a function of frequency, hearing performance in various conditions of noise, speech intelligibility in noise, localization resolution, or head-related transfer function specification. Future identified relevant personal response characteristics that improve device functionality for the user should be able to be rapidly introduced into devices whose performance specification is captured by this standard including special controls on the device or via a ~~mobile~~ software application.~~.~~

4.11.2 Specification and Reporting

While personalization is not a requirement for compliance with this standard, compliance ~~does~~ shall require reporting a description of any personalized device functionality. This wearable sound amplifier device personalized functionality should be described in a way that a user may be able to identify common elements of the wearable sound amplifier device personalization characteristics across multiple market offerings. For example, a user should be easily able to differentiate between devices that make use of their personal hearing thresholds from those that do not [ie: preset settings]. The general method for determination of the ~~specific~~ user's personalized response characteristic~~s~~ that ~~is~~ are modifying performance of a particular device ~~should~~ shall be described or a reference provided.

ANNEX A: MAXIMUM ACOUSTIC OUTPUT

In the design of ~~any device~~a wearable sound amplifier device~~s~~ reproducing live sound there is a required development balance to provide undistorted reproduction of content such as live music while at the same time avoiding sudden peak output SPLs which would be uncomfortable to the listener and/or ~~to avoid~~potentially cause hearing damage. To optimize this balance, a maximum output level ~~of~~ shall be 120 dB SPL~~is recommended~~.

[Note – the changes are illustrated below using ~~strikeout~~ for proposed removal of existing text and grey highlights to indicate the proposed new text. ONLY the highlighted text and ~~strikeout~~ text is within the scope of this ballot. Rationale Statements are in RED and only used to add clarity; these statements will NOT be in the finished publication]

NSF/ANSI International Standard
for Food Equipment —

Thermoplastic Refuse Containers

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5 Design and construction

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5.4 Cover requirements

5.4.1 When in place, the cover shall overlap and continuously contact the container opening.

5.4.2 Thermoplastic refuse containers used primarily outdoors shall have a cover that, when in place, prevents water from entering the container opening.

~~NOTE –~~ **5.4.3** Thermoplastic refuse containers used primarily indoors are exempt from ~~this requirement~~ 5.4.2. Covers with swinging-closure mechanisms are acceptable for indoor use.

5.4.3~~3~~4 The cover shall minimize exterior gnawing edges. This requirement shall not apply to raised reinforcing members, decorative features, or lifting devices that do not have a common wall with the cover.

5.4.4~~5~~5 The cover shall be designed and manufactured so that it provides for secure attachment to the container. The disengagement of the attachment device (for removable covers) shall permit the removal of the cover with one hand. Hinged covers are acceptable provided that they can be opened with one hand.

5.6 Marking

Thermoplastic refuse containers that are not designed and manufactured for outdoor use shall be permanently marked to indicate: “indoor use only”.

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Rationale *– Removing the “NOTE” changes the language from informative to normative. Adding the marking statement clarifies the use of containers designed and manufactured for indoor versus outdoor use.*

Tracking #350i65r2

Revision to NSF/ANSI 350-2020
Issue 65, Revision 2 (April 2022)

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

NSF/ANSI Standard
For Wastewater Technology –

Onsite Residential and Commercial Water Reuse Treatment Systems.

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8 Performance testing and evaluation

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8.1 Greywater treatment systems with capacities up to 5,678 L/d (1,500 gal/d)

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8.1.2.4 Color, odor, foam, and oily film assessments

During the 6 mo (26 wk [182 d]) testing and evaluation, a total of three effluent samples shall be assessed for color, odor, foam, and oily film. The assessments shall be conducted on effluent composite samples selected randomly during the first phase of design loading, the period of stress loading, and the second phase of design loading.

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8.2 Residential wastewater treatment systems with capacities up to 5,678 L/d (1,500 gal/d)

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8.2.2.4 Color, odor, foam, and oily film assessments

During the 6-mo (26-wk [182-d]) testing and evaluation, a total of three effluent samples shall be assessed for color, odor, foam, and oil film. The assessment shall be conducted on effluent composite samples selected randomly during the first phase of design loading (Weeks 1 to 16), the period of stress loading (Weeks 17 to 23.5), and the second phase of design loading (Weeks 23.5 to 26).

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8.5.1 Color, odor, oil film, and foam

8.5.1.1 General

~~The effluent composite samples shall be diluted 1:1,000 with deionized water.~~ Three composite effluent samples shall be tested during the 6 mo (26 wk [182 d]) evaluation period, as described in Sections 8.1.2.4 and 8.2.2.4.

8.5.1.2 Color

The apparent color of the undiluted effluent samples shall be determined with the visual comparison method described in Method 2120 B of *Standard Methods*.**Error! Bookmark not defined.**

8.5.1.3 Odor

~~A panel consisting of at least five evaluators shall qualitatively rate 200 mL aliquots of the diluted effluent samples as offensive or nonoffensive when compared to odor-free water prepared in accordance with Method 2150 B of *Standard Methods*.~~**Error! Bookmark not defined.**
The odor of undiluted effluent sample shall be determined by a panel consisting of at least five evaluators tested in accordance with Method 2150 B of *Standard Methods*. [4]

8.5.1.4 Oily film and foam

Diluted effluent sample aliquots shall be visually evaluated for the presence of an oily film or foaming. The effluent composite samples shall be diluted 1:1,000 with deionized water.

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8.6 Criteria (applicable to all reuse systems evaluated in accordance with Sections 8.1, 8.2, and 8.3)

Table 8.1
Summary of effluent criteria for individual classifications

Measure	Class R		Class C	
	Test average	Single sample maximum	Test average	Single sample maximum
$CBOD_5$ (mg/L)	10	25	10	25
TSS (mg/L)	10	30	10	30
turbidity (NTU)	5	10	2	5
E. coli[2] (MPN/100 mL)	14	240	2.2	200
pH (SU)	6.0 to 9.0	NA[1]	6.0 to 9.0	NA
storage vessel disinfection (mg/L)[3]	≥ 0.5 to ≤ 2.5	NA	≥ 0.5 to ≤ 2.5	NA
color	MR[4]	NA	MR[4]	NA
odor	~~nonoffensive~~ MR[4]	NA	~~nonoffensive~~ MR[4]	NA
oily film and foam	nondetectable	nondetectable	nondetectable	nondetectable
energy consumption	MR	NA	MR	NA

[1] NA: Not applicable.

[2] Calculated as geometric mean.

[3] If chlorine disinfection is used with a storage vessel, see Section 8.6.2.6 or 8.6.3.6.

[4] MR: Measured and reported only; there is no criteria requirement for these values.

8.6.2 Class R systems (single family residential dwelling)

8.6.2.8 Odor

~~The overall rating of each of the three diluted composite effluent samples shall be nonoffensive.~~ The odor rating of each of the three undiluted composite effluent samples shall be reported. There are no criteria that these values shall meet.

8.6.3 Class C systems (multi family residential units and commercial facilities)

8.6.3.8 Odor

~~The overall rating of each of the three diluted composite effluent samples shall be nonoffensive.~~ The odor rating of each of the three undiluted composite effluent samples shall be reported. There are no criteria that these values shall meet.

Rationale: To harminize language and reporting between NSF/ANSI 40 and NSF/ANSI 350.

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Issue 23 Revision 1 (April 2022)

[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 GMP for Dietary Supplements –

Good Manufacturing Practices for Dietary Supplements

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5 Audit process

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5.7.1 Nonconformances and corrective action

5.7.1 Company provides a corrective action plan for all findings

The company is responsible for generating a corrective action plan to address any nonconformances within ten business days of receipt the final audit report. If the Company requires additional time to complete the plan, the company shall request additional time of the CB. For each nonconformance, the applicant / auditee shall submit a corrective action plan together with timing for completion. ~~The company is to document the plan using the online corrective action reporting system in the format of the template presented in Appendix D.~~

5.7.2 CB reviews the corrective action plan to ensure planned corrective actions are sufficient

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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 GMP for Dietary Supplements –

Good Manufacturing Practices for Dietary Supplements

5 Audit process

5.2 Audit and certification process outline

a) Educate / inform:

— audit preparation;
— review and understand normative references ~~21 CFR § 111 & 21 CFR § 117:~~ (see Section 2);

~~— visit <www.ecfr.gov/current/title-21/chapter-I/subchapter-B/part-111>; and~~

~~— visit <www.ecfr.gov/current/title-21/chapter-I/subchapter-B/part-117>.~~

— audit types (certification audit, monitoring audit);
— self-assessment of compliance with the standard;
— selection of a CB; and
— determine the scope of the audit.

5.3.2 Self-assessment of compliance with the standard

The company shall assure that it is operating in compliance with ~~21 CFR Part 111 *Current Good Manufacturing Practice in Manufacturing, Packaging, Labeling, or Holding Operations for Dietary Supplements* and 21 CFR Part 117 *Current Good Manufacturing Practice, Hazard Analysis, and Risk-Based Preventive Controls for Human Food* as applicable and the *21 CFR Part 1 Subpart L Foreign Supplier Verification Program* to their production of dietary supplements. The company shall comply with~~ thes~~e~~ normative references (see Section 2). US FDA guidance is available on the US FDA. ~~website. <www.fda.gov/food/ guidanceregulation/guidancedocumentsregulatoryinformation/dietarysupplements/default.htm>.~~

The company shall read and understand the documents and the requirements contained therein. A self-assessment shall be conducted by the company against the Standard to prepare for the audit. Gaps identified shall be addressed by the facility prior to a certification audit.

An optional gap analysis audit of the site may be conducted by a third-party consultant other than the CB.

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****The following is only listed here as a reference and is not part of the ballot above.***

NSF/ANSI Standard
for GMP for Cosmetics –

Good Manufacturing Practices for Cosmetics

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5 Audit process

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5.2 Audit and certification process outline

a) Educate / inform:

— audit preparation;

— review and understand ~~ISO 22716: *Cosmetics – Good Manufacturing Practices (GMP) – Guidelines on Good Manufacturing Practices*, and *US FDA Draft Guidance for Industry: Cosmetic Good Manufacturing Practices*~~ the normative references (see Section 2);

— audit types (certification audit, monitoring audit);

— self-assessment of compliance with the standard;

— selection of a CB; and

— determine the scope of the audit.

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5.3.2 Self-assessment of compliance with the Standard

The company shall assure that it is operating in compliance with ~~21 CFR Part 111 *Current Good Manufacturing Practice in Manufacturing, Packaging, Labeling, or Holding Operations for Dietary Supplements* and 21 CFR Part 117 *Current Good Manufacturing Practice, Hazard Analysis, and Risk-Based Preventive Controls for Human Food* as applicable and the *21 CFR Part 1 Subpart L Foreign Supplier Verification Program* to their production of dietary supplements. The company shall comply with~~

the~~se~~ normative references (see Section 2). US FDA guidance is available on the US FDA website. ~~<www.fda.gov/food/ guidanceregulation/guidancedocumentsregulatoryinformation/dietarysupplements/default.htm>.~~

The company shall read and understand the documents and the requirements contained therein. A self-assessment shall be conducted by the company against the Standard to prepare for the audit. Gaps identified shall be addressed by the facility prior to a certification audit.

An optional gap analysis audit of the site shall be conducted by a third party consultant other than the CB.

NSF/ANSI Standard
for GMP for Over-the-Counter Drugs –

Good Manufacturing Practices for Over-the-Counter Drugs

5 Audit process

5.2 Audit and certification process outline

a) Educate / inform

— audit preparation ~~shall include, but not be limited to~~:

~~—~~ a review and understand~~ing of 21 CFR Part 210 *Current Good Manufacturing Practice in Manufacturing, Processing, Packing, or Holding of Drugs; General,* 21 CFR Part 211 *Current - Good Manufacturing Practice for Finished Pharmaceuticals*, and applicable FDA Guidance for Industry, and ICH, *Harmonised Tripartite Guideline, Q10: Pharmaceutical Quality System*, and the ARG.~~normative references (see Section 2);

— audit types (certification audit, monitoring audit);

— self-assessment of compliance with the Standard;

— selection of a CB; and

— determine the scope of the audit.

5.3.2 Self-assessment of compliance with the standard

The company shall assure that it is operating in compliance with ~~complies with 21 CFR Parts 210 & 211, and relevant US FDA Guidelines on Good Manufacturing Practices including ICH Q10 Pharmaceutical Quality Systems prior to engaging in the certification process. The company shall comply with~~ these normative references (see Section 2).

The company shall read and understand the documents and the requirements contained therein. A self-assessment shall be conducted by the company against the Standard to prepare for the audit. Gaps identified shall be addressed by the facility prior to a certification audit.

An optional gap analysis audit of the site may be conducted by a third-party consultant other than the CB.

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Rationale: Inconsistent language between the standards where processes are aligned and duplicative language within them creates needless complexity. Within individual standards when references are mentioned, they are not consistent. The normative reference sections contain the complete list of references the applicant should review. Updating the references as proposed will create simple, concise statements that are the most accurate. Hyperlinks to Section 2 will be added.

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NSF/ANSI Standard
for GMP for Dietary Supplements –

Good Manufacturing Practices for Dietary Supplements

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5 Audit process

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5.5.9 Classification of findings

The classification of findings is a function of the auditor's judgment with respect to severity and risk. The findings are evaluated and classified into one of three levels of nonconformance and based on observations made and evidence collected during the audit.

The three levels of nonconformance are:

— **critical**: a nonconformance or condition which has produced or may lead to a significant risk of an unsafe or hazardous product which may be harmful and puts the consumer at risk of serious injury or death.

— **major**: a nonconformance other than critical that results in failure in one or more of the quality subsystems; or a combination of "minor" nonconformances, none of which on their own may be major, but which may together represent a major nonconformance and shall be explained and reported as such.

— **minor**: a nonconformance where an element of GMP has not been fully met or does not adversely affect the performance, reliability, or use of a product; but on the basis of objective evidence does not meet the definition of a major nonconformance. Multiple minor nonconformances when considered collectively ~~shall~~ may raise the category to a major nonconformance.

5.6 Reporting / grading

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Issue 30 Revision 1 (April 2022)

[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 GMP for Dietary Supplements –

Good Manufacturing Practices for Dietary Supplements

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4 Audit requirements

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4.6 Performance evaluation

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4.6.18 Procedures shall include provisions for ~~be established describing~~ how product complaints will be received, investigated, and documented and, if necessary, for reporting of serious adverse events. ~~that the product complaint information includes adequate information.~~ [21 CFR § 111.553, ~~&~~ 21 CFR § 111.570(b2ii), & 21 U.S.C. § 379aa-1]

4.6.19 All product complaints shall be reviewed by a qualified person to determine if the complaint was the result of a failure of the dietary supplement to meet any of its specifications or quality.
[21 CFR § 111.560(a)]

4.6.20 The decision to investigate a complaint as well as the final decision as a result of the investigation, including corrective action, shall be approved by the QC unit. [21 CFR § 111.560(b)]

4.6.21 The investigation for a product complaint shall be appropriately extended to other batches, products, processes, etc. [21 CFR § 111.560(c)]

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Tracking number 455-4i32r1
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Issue 32 Revision 1 (April 2022)

[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 GMP for Over-the-Counter Drugs –

Good Manufacturing Practices for Over-the-Counter Drugs

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4 Audit requirements

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4.2 Leadership

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4.2.2 Management reviews shall include, but not be limited to quality system, process performance and product quality; which are to be conducted periodically. The management reviews will be documented. [ICH Q10, 3.2.4]

4.2.3 Management has established a quality policy and quality objectives. [ICH Q10, 2.2]

4.2.4 The organization shall prepare a quality manual describing the quality management system, the quality policy, and the organization's commitment to quality management system requirements and quality risk management. [ICH Q10, 1.8]

4.2.5 Internal communications assure the flow of appropriate information throughout the organization regarding this Standard and applicable regulatory requirements. Senior management is notified in the event of critical quality issues. [ICH Q10, 2.5]

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4.3 Planning

4.3.1 Quality objectives are established at all relevant levels and performance against these objectives is measured, reviewed, and acted upon as necessary. [ICH Q10, 2.3]

4.3.2 A process for managing the life cycle of products (development, technology transfer, commercial production, product discontinuation) is defined and implemented. [ICH Q10, 3.1]

4.4 Support

4.4.1 Adequate resources (human, financial, materials, facilities, and equipment) are provided to implement, maintain, and improve the quality system. [ICH Q10, 2.4]

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4.6 Performance evaluation

4.6.1 There is a defined process for monitoring process performance and product quality. [ICH Q10, 3.2.1]

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4.6.7 The impurity profile of APIs has been determined, and is compared to historical data at regular intervals. [ICH Q7 11.2, 11.3]

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4.7 Improvement

4.7.1 There is a formal corrective and preventive action (CAPA) system to capture input from various sources (i.e., complaints, product rejections, process non-conformances / deviations, recalls, audits, regulatory inspections, process / product data trends, OOS, management reviews, etc.) and assure follow-up CAPA actions (including measuring the effectiveness of completed actions). [ICH Q10, 3.2.2]

4.7.2 Periodic management reviews of the quality system, process performance and product quality are conducted, with documented completion of any identified follow-up actions. [ICH Q10, 2.6]

4.7.3 Appropriate data management and statistical tools are in place to improve operations. These tools are implemented and results are evaluated and used to improve process and product performance. [ICH Q10, 3.2.1]

4.7.4 There is a defined and documented focus on continual improvement of the quality management system and plant operations. [ICH Q10, 3]

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Revisions for 455-2i25r1, 455-3i32r1, 455-4i38r1

Revision to NSF/ANSI 455-2-2021
Issue 25 Revision 1 (April 2022)

[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 GMP for Over-the-Counter Drugs –

Good Manufacturing Practices for Over-the-Counter Drugs

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5 Audit process

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5.2 Audit and certification process outline

a) Educate / inform

— audit preparation ~~shall include, but not be limited to~~:

~~a~~ review and understand~~ing of~~ ~~21 CFR Part 210 *Current Good Manufacturing Practice in Manufacturing, Processing, Packing, or Holding of Drugs; General,* 21 CFR Part 211 *Current Good Manufacturing Practice for Finished Pharmaceuticals*~~,~~ and applicable FDA Guidance for Industry, and ICH, *Harmonised Tripartite Guideline, Q10: Pharmaceutical Quality System*, and the ~~ARG.~~normative references (see Section 2);

— audit types (certification audit, monitoring audit);

— self-assessment of compliance with the Standard;

— selection of a CB; and

— determine the scope of the audit.

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5.3.2 Self-assessment of compliance with the standard

The company shall assure that it is operating in compliance with ~~complies with 21 CFR Parts 210 & 211, and relevant US FDA Guidelines on Good Manufacturing Practices including ICH Q10 Pharmaceutical Quality Systems prior to engaging in the certification process. The company shall comply with~~ these normative references (see Section 2).

The company shall read and understand the documents and the requirements contained therein. A self-assessment shall be conducted by the company against the Standard to prepare for the audit. Gaps identified shall be addressed by the facility prior to a certification audit.

An optional gap analysis audit of the site may be conducted by a third-party consultant other than the CB.

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****The following is only listed here as a reference and is not part of the ballot above.***

NSF/ANSI Standard
for GMP for Dietary Supplements –

Good Manufacturing Practices for Dietary Supplements

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5 Audit process

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5.2 Audit and certification process outline

a) Educate / inform:

— audit preparation;
— review and understand normative references ~~21 CFR § 111 & 21 CFR § 117:~~ (see Section 2);

~~— visit <www.ecfr.gov/current/title-21/chapter-I/subchapter-B/part-111>; and~~

~~— visit <www.ecfr.gov/current/title-21/chapter-I/subchapter-B/part-117>.~~

— audit types (certification audit, monitoring audit);
— self-assessment of compliance with the standard;
— selection of a CB; and
— determine the scope of the audit.

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5.3.2 Self-assessment of compliance with the standard

The company shall assure that it is operating in compliance with ~~21 CFR Part 111 *Current Good Manufacturing Practice in Manufacturing, Packaging, Labeling, or Holding Operations for Dietary Supplements* and 21 CFR Part 117 *Current Good Manufacturing Practice, Hazard Analysis, and Risk-Based Preventive Controls for Human Food* as applicable and the *21 CFR Part 1 Subpart L Foreign*~~

~~*Supplier Verification Program* to their production of dietary supplements. The company shall comply with these~~ normative references (see Section 2). US FDA guidance is available on the US FDA. ~~website. <www.fda.gov/food/ guidanceregulation/guidancedocumentsregulatoryinformation/dietarysupplements/default.htm>.~~

The company shall read and understand the documents and the requirements contained therein. A self-assessment shall be conducted by the company against the Standard to prepare for the audit. Gaps identified shall be addressed by the facility prior to a certification audit.

An optional gap analysis audit of the site may be conducted by a third-party consultant other than the CB.

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NSF/ANSI Standard
for GMP for Cosmetics –

Good Manufacturing Practices for Cosmetics

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5 Audit process

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5.2 Audit and certification process outline

a) Educate / inform:

— audit preparation;

— review and understand ~~ISO 22716: *Cosmetics – Good Manufacturing Practices (GMP) – Guidelines on Good Manufacturing Practices*, and *US FDA Draft Guidance for Industry: Cosmetic Good Manufacturing Practices*~~ the normative references (see Section 2);

— audit types (certification audit, monitoring audit);

— self-assessment of compliance with the standard;

— selection of a CB; and

— determine the scope of the audit.

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5.3.2 Self-assessment of compliance with the Standard

The company shall assure that it is operating in compliance with ~~21 CFR Part 111 *Current Good Manufacturing Practice in Manufacturing, Packaging, Labeling, or Holding Operations for Dietary Supplements* and 21 CFR Part 117 *Current Good Manufacturing Practice, Hazard Analysis, and Risk-Based Preventive Controls for Human Food* as applicable and the *21 CFR Part 1 Subpart L Foreign Supplier Verification Program* to their production of dietary supplements. The company shall comply with the~~se normative references (see Section 2). US FDA guidance is available on the US FDA website. ~~<www.fda.gov/food/guidanceregulation/guidancedocumentsregulatoryinformation/dietarysupplements/default.htm>.~~

The company shall read and understand the documents and the requirements contained therein. A self-assessment shall be conducted by the company against the Standard to prepare for the audit. Gaps identified shall be addressed by the facility prior to a certification audit.

An optional gap analysis audit of the site shall be conducted by a third party consultant other than the CB.

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Rationale: Inconsistent language between the standards where processes are aligned and duplicative language within them creates needless complexity. Within individual standards when references are mentioned, they are not consistent. The normative reference sections contain the complete list of references the applicant should review. Updating the references as proposed will create simple, concise statements that are the most accurate. Hyperlinks to Section 2 will be added.

Tracking #50i188r1
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Revision to NSF/ANSI/CAN 50-2020
Draft 1, Issue 188 (April 2022)

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

NSF/ANSI/CAN Standard

Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and other Recreational Water Facilities

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3 Definitions

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3.XX residential supplemental disinfection: Units that demonstrate a 3 log (99.9%) or greater reduction of *Pseudomonas aeruginosa* and *Enterococcus faecium* when tested according to Section 15.8.1.

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3.114 secondary disinfection: Units that demonstrate a 3 log (99.9%) or greater reduction or inactivation of *Cryptosporidium parvum* in a single pass when tested in accordance to Section 15.8.3.

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3.134 supplemental (for all pools and spas) disinfection: Units that demonstrate a 3 log (99.9%) or greater reduction of *Pseudomonas aeruginosa* and *Enterococcus faecium* when tested according to Section 15.8.2 .

Previously approved definitions included for reference.

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15 Ultraviolet (UV) light process equipment

15.5 Performance indication

15.5.1 A residential supplemental UV system shall be provided with an effective means to alert the user when the lamp(s) of this equipment is not operating.

15.5.2 A supplemental (~~non-residential~~ for all pools and spas) UV system shall indicate that a sufficient UV dose is being produced for supplemental disinfection whenever the unit is at an intensity reading greater than or equal to the highest intensity reading observed during disinfection efficacy testing required by 15.8.2. Whenever the unit is at an intensity reading less than the highest intensity reading observed during disinfection efficacy testing required by 15.8.2, the unit shall display a warning that there is insufficient dose for supplemental disinfection.

BSR/UL 4402, Standard for Indoor Air Quality in Buildings and Facilities Utilized for the Cultivation and Post-Harvest Processing of Cannabis

1. Proposed First Edition of UL 4402

PROPOSAL

7.2.2.1 MERV13 or better mechanical filtration shall be provided in spaces used for indoor plant environments. ~~Outside~~ Outdoor air ventilation rate(s) shall comply with the AHJ's ventilation requirements ~~and shall be a minimum 1.09 $m^3/h/m^2$ (0.06 cfm/ft^2) of floor space~~. Ventilation and recirculated air shall be filtered with MERV13 or higher MERV rated mechanical filtration. ~~Ventilation and r~~Recirculating mechanical filtration systems must operate continuously where serving these spaces. These systems shall be designed for a minimum of three total ACH for each HVAC zone. When the space is occupied, CO_2 enrichment shall be limited to the ~~a~~ maximum ~~of 2,500 ppm~~ concentration as determined by the AHJ.

Note 1: To reduce the release of CO_2 and odorous VOCs into the atmosphere, the AHJ and designer should agree on ventilation requirements during CO_2 enrichment.

Note 2: OSHA CO_2 exposure limit at the time of publication is 5000 ppm as an 8-hour time-weighted average concentration.

Exception: Stand-alone dehumidification and unconditioned air movement systems do not require MERV13 or higher mechanical filtration.

8.2.2.1 MERV13 or better mechanical filtration shall be provided in spaces used for post-harvest production spaces. ~~Outside~~ Outdoor air ventilation rate(s) shall comply with the AHJ's ventilation requirements ~~and shall be a minimum 2.74 1.09 $m^3/h/m^2$ (0.15 0.06 cfm/ft^2)~~. Ventilation and recirculated air shall be filtered with MERV13 or better mechanical filtration. Ventilation and recirculating mechanical filtration systems must operate continuously during occupancy. These systems shall be designed for a minimum of three total ACH for each HVAC zone.

Exception: Stand-alone dehumidification and unconditioned air movement systems do not require MERV13 or higher mechanical filtration.

BSR/UL 758, Standard for Safety for Appliance Wiring Material

PROPOSAL(S)

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

Table 5.3
Conductor – metal specifications

Conductor metal	ASTM reference for the metal	Temperature limit for the metal, °C (°F)	Other limits
Copper, uncoated, diameter of each strand or thickness of rectangular or tubular conductor less than 0.015 inch (0.38 mm)	ANSI/ASTM B 3	150 (302)	Uncoated conductor smaller than 0.003 inch (0.079 mm) meet the elongation requirements as defined for conductors with a diameter of 0.003 inch (0.079 mm) as shown in ASTM B 3
Copper, uncoated, diameter of each strand or thickness of rectangular or tubular conductor at least 0.015 inch (0.38 mm)	ANSI/ASTM B 3	200 (392)	Uncoated conductor smaller than 0.003 inch (0.079 mm) meet the elongation requirements as defined for conductors with a diameter of 0.003 inch (0.079 mm as shown in ASTM B 3.
Copper, tin-coated, diameter of each strand or thickness of rectangular or tubular conductor less than 0.015 inch (0.38 mm)	ANSI/ASTM B 33	150 (302)	Tin-coated conductor smaller than 0.003 inch (0.079 mm) meet the elongation requirements as defined for conductors with a diameter of 0.003 inch (0.079 mm) as shown in ASTM B 33.
Copper, tin-coated, diameter of each strand or thickness of rectangular or tubular conductor at least 0.015 inch (0.38 mm)	ANSI/ASTM B 33	200 (392)	Tin-coated conductor smaller than 0.003 inch (0.079 mm) meet the elongation requirements as defined for conductors with a diameter of 0.003 inch (0.079 mm) as shown in ASTM B 33.

Conductor metal	ASTM reference for the metal	Temperature limit for the metal, °C (°F)	Other limits
Copper, bus bars, tin coated	ANSI/ASTM B 187	105 (221)	
Copper alloy, hard-drawn, diameter of each strand or thickness of rectangular or tubular conductor less than 0.015 inch (0.38 mm)	ANSI/ASTM B 105	150 (302)	May be uncoated or provided with a tin, or lead-base-alloy coating. Uncoated or tin-coated conductors smaller than 0.015 inch (0.38 mm) meet the tensile strength and elongation requirements as defined for conductors with a diameter of for 0.015 inch (0.38 mm) as ~~20 AWG~~ ~~conductors~~ shown in ASTM B 105.
NOTE 1 – "Copper, tin coated" mentioned in this table refers to copper strands of a conductor that are coated with tin before they are twisted. "Copper metallurgically bonded via the addition of tin, " mentioned in this table refers to copper strands that are twisted and then coated with tin. [a] IACS – International Annealed Copper Standard			

Table 5.3
Conductor – metal specifications

Conductor metal	ASTM reference for the metal	Temperature limit for the metal, °C (°F)	Other limits
High strength copper alloy, annealed, diameter of each strand or thickness of rectangular or tubular conductor less than 0.015 inch (0.38 mm)	ANSI/ASTM B 624	150 (302)	May be uncoated or provided with a tin, or lead based alloy coating. Copper alloy employing 0.05 - 0.127 mm (1.969 – 5.0 mils) may be minimum 70 percent IACS and meets the same requirements as conductors meeting ASTM B624 except that the minimum tensile

Conductor metal	ASTM reference for the metal	Temperature limit for the metal, °C (°F)	Other limits
High strength copper alloy, annealed, diameter of each strand or thickness of rectangular or tubular conductor at least 0.015 inch (0.38 mm)	ANSI/ASTM B 624	200 (392)	strength shall not be less than 294 MPa. May be uncoated or provided with a tin, or lead based alloy coating
NOTE 1 – "Copper, tin coated" mentioned in this table refers to copper strands of a conductor that are coated with tin before they are twisted. "Copper metallurgically bonded via the addition of tin, " mentioned in this table refers to copper strands that are twisted and then coated with tin. [a] IACS – International Annealed Copper Standard			

BSR/UL 1046, Standard for Grease Filters for Exhaust Ducts

1. Addition of Drop Test to UL 1046

PROPOSAL

9A.3 Filters shall remain intact, square and serviceable. Filters shall not be damaged to an extent that it cannot be easily inserted into or removed from the hood. Filters may sustain cracked welds or broken welds provided that the filter is not damaged to the point that it would not comply with the Flame Exposure Test, Clause 9.

BSR/UL 6141, Standard for Wind Turbines Permitting Entry of Personnel

1. Eliminate Offshore Exclusion from Scope

PROPOSAL

1.3 These requirements do not cover:

~~a) Wind turbine generating systems intended for offshore installation,~~
~~b~~ a) Mechanical or structural integrity of the WT or subassemblies,
~~c~~ b) Verification that the manufacturer-defined controls and protection limits maintain the WT within its safe mechanical and structural limits,

~~d~~ c) Compliance with specific grid interconnection standards or requirements.