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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.

ASA (ASC S12) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 www.acousticalsociety.org

Contact: Nancy Blair-DeLeon; standards@acousticalsociety.org

New National Adoption

BSR/ASA S12.55-202x/Amd.1-202x/ISO 3745-202x/Amd 1-202x, Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Precision methods for anechoic rooms and hemi-anechoic rooms - Amendment 1 (identical national adoption of ISO 3745:2012/Amd 1:2017)

Stakeholders: Equipment manufacturers, testing facilities, acoustical consultants, mechanical engineers.

Project Need: The room qualification method provided in Annex A in ISO 3745 was updated in Amendment 1 and ANSI S12.55 should be updated to reflect the same methods.

Scope: This amended Annex provides general procedures for qualification of anechoic and hemi-anechoic rooms in which the performance of the room is tested by comparing the spatial decrease of sound pressure emitted from a test sound source with the decrease of sound pressure that would occur in an ideal free sound field.

ASA (ASC S12) (Acoustical Society of America)

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Contact: Nancy Blair-DeLeon; standards@acousticalsociety.org

New National Adoption

BSR/ASA S12.79-202x/ISO 26101-202x, Acoustics - Test methods for the qualification of free-field environments (identical national adoption of ISO 26101:2017)

Stakeholders: Equipment manufacturers, testing facilities, acoustical consultants, mechanical engineers.

Project Need: The qualification method for anechoic and hemi-anechoic spaces that are currently or have previously been in ISO 3745 and ANSI S12.55 will be removed in future revisions. They are clarified and expanded in this document. Other standards using these types of spaces will require this document to ensure uniformity in the qualification of such spaces.

Scope: This document specifies methodology for qualifying spaces as anechoic and hemi-anechoic spaces meeting the requirements of a free sound field. This document specifies discrete-frequency and broad-band test methods for quantifying the performance of anechoic and hemi-anechoic spaces, defines the qualification procedure for an omnidirectional sound source suitable for free-field qualification, gives details of how to present the results and describes uncertainties of measurement.

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 <https://www.asabe.org/>

Contact: Jean Walsh; walsh@asabe.org

New Standard

BSR/ASABE S660 MONYEAR-202x, Procedure for Evaluating the Distribution Uniformity for Large Granular Broadcast Applicators (new standard)

Stakeholders: Industry, Academia, Customers

Project Need: ASAE S349.5 MAY2018, Procedure for Measuring Distribution Uniformity and Calibrating Granular Broadcast Spreaders is used today to evaluate dry fertilizer spread pattern. This standard was originally written for “smaller” spreader units. At that time, there were spinner spreaders ranging from golf course size up to 60 ft (18.3 m). Today, the industry has spinner spreaders that can approach 120 feet, depending upon the product. The S341.5 standard doesn’t address how to test these wider spread patterns. S341.5 also does not include pneumatic spreaders which have been around since the 1980’s, and can spread up to 90 feet now.

Scope: This standard is specifically for wide spread pattern testing of dry fertilizer spreader, for units that can spread >18.3 m (60’).

ASME (American Society of Mechanical Engineers)

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

Contact: Terrell Henry; ansibox@asme.org

New Standard

BSR/ASME DVR-1-202x, Data Validation and Reconciliation - Concepts, Methods, and Applications (new standard)

Stakeholders: Designer, Producer, Manufacturer, Constructor, Owner, Utility, Operator, Consultant, User, General Interest, Laboratory, Regulatory/Government, Testing Services, Distributor

Project Need: There is an industry need for standards that enable the quality of measurements to be assessed and reconciled results to be evaluated so that random uncertainties can be reduced. This will help identify and rectify plant performance and instrumentation issues.

Scope: This document will introduce the concepts of data validation and reconciliation and methods for implementation following the principles adopted by VDI 2048. Examples and graphical representations will be included.

ASSP (ASC A10) (American Society of Safety Professionals)

520 N. Northwest Highway, Park Ridge, IL 60068 www.assp.org

Contact: Tim Fisher; TFisher@ASSP.org

Revision

BSR/ASSP A10.42-202X, Safety Requirements for Rigging Qualifications & Responsibilities (revision and redesignation of ANSI/ASSE A10.42-2000 (R2017))

Stakeholders: Construction and Demolition Occupational Safety and Health Professionals

Project Need: Based upon the consensus of the A10 Committee.

Scope: This standard establishes minimum criteria of knowledge and performance requirements for a qualified rigger in the construction industry. It is designed to assist in achieving reasonable safety of all persons and materials during the process of, or as the result of, rigging, lifting, or moving of loads.

AWS (American Welding Society)

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

Contact: Jennifer Rosario; jrosario@aws.org

Addenda

BSR/AWS B2.1-1-234-202x-AMD1, Standard Welding Procedure Specification (SWPS) for 75% Argon Plus 25% Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E7XT-X, in the As-Welded or PWHT Condition, Primarily Pipe Applications (addenda to ANSI/AWS B2.1-1-234-2019)

Stakeholders: Manufacturers, welders, engineers, CWIs

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

Scope: This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using 75% argon plus 25% carbon dioxide shielded flux cored arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove and fillet welds. This SWPS was developed primarily for pipe applications.

AWS (American Welding Society)

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

Contact: Jennifer Rosario; jrosario@aws.org

Addenda

BSR/AWS B2.1-1-235-202x-AMD1, Standard Welding Procedure Specification (SWPS) for 98% Argon Plus 2% Oxygen Shielded Gas Metal Arc Welding (Spray Transfer Mode) of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER70S-3, in the As-Welded or PWHT Condition, Primarily Pipe Applications (addenda to ANSI/AWS B2.1-1-235-2019)

Stakeholders: Manufacturers, welders, engineers, and CWIs

Project Need: Need for pretested welding procedures that satisfy the technical requirements for the commonly used construction codes and specifications.

Scope: This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using 98% argon plus 2% oxygen shielded gas metal arc welding (spray transfer mode). It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove and fillet welds. This SWPS was developed primarily for pipe applications.

AWWA (American Water Works Association)

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

Contact: Paul Olson; polson@awwa.org

Supplement

BSR/AWWA C301a-202x, Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (supplement to ANSI/AWWA C301-2014 (R2019))

Stakeholders: Drinking water treatment and supply industry. Water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The intent of this addendum to provide new requirements for allowable stress in pipe fittings and the use of slag cement.

Scope: This standard provides the minimum requirements for the manufacture of prestressed concrete pressure pipe, sizes 16 in. to 144 in., manufactured with a steel cylinder and wire reinforcement. The standard describes lined-cylinder pipe and embedded-cylinder pipe.

AWWA (American Water Works Association)

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

Contact: Paul Olson; polson@awwa.org

Supplement

BSR/AWWA C304a-202x, Design of Prestressed Concrete Cylinder Pipe (supplement to ANSI/AWWA C304-2014 (R2019))

Stakeholders: Drinking water treatment and supply industry. Water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The intent of this addendum to provide new requirements for allowable stress in pipe fittings and the use of slag cement.

Scope: This standard provides the minimum requirements for the structural design of buried prestressed concrete cylinder pipe (PCCP) under internal pressure, for pipe subjected to the effects of working, transient, and field-test load and internal pressure combinations. The design procedures of this standard are applicable to lined-cylinder pipe, sizes 16 in. to 60 in., and embedded-cylinder pipe, sizes 24 in. and larger.

AWWA (American Water Works Association)

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Contact: Paul Olson; polson@awwa.org

Supplement

BSR/AWWA D103a-202x, Factory-Coated Bolted Carbon Steel Tanks for Water Storage (supplement to ANSI/AWWA D103-2019)

Stakeholders: Drinking water treatment and supply industry. Water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: The intent of this addendum to provide updated structural design criteria as it relates to wind and seismic loading.

Scope: This standard provides the minimum requirements for the design, construction, inspection, and testing of new cylindrical, factory-coated, bolted carbon steel tanks for the storage of water, applicable to tanks with a base elevation substantially at ground level.

CSA (CSA America Standards Inc.)

8501 E. Pleasant Valley Road, Cleveland, OH 44131 www.csagroup.org

Contact: David Zimmerman; ansi.contact@csagroup.org

New Standard

BSR/CSA C22.2 No. 350-202x, Test method for safety and performance of thermal barriers for use in batteries and battery-based energy storage systems (new standard)

Stakeholders: Thermal Barrier Manufacturer, Battery Manufacturers and Users (energy storage, utilities, automotive, transportation, consumer), Certification Bodies and Testing Laboratories, Academic (Universities, Research Institutes), Regulatory and Safety Organization

Project Need: Currently, the focus of the safety-related standard for battery energy storage is on evaluation of fire safety through evaluating thermal runaway fire propagation. Recent advances in developing special thermal barrier materials and design required a dedicated testing method to evaluate safety and performance of these materials for their specific application. Since these design changes make it difficult to initiate thermal runaway, additional testing methods must be used to further investigate safety and performance.

Scope: This standard provides requirements to properly assess the safety and performance of using thermal barriers in batteries and energy storage systems. This standard is intended to provide testing requirements for thermal barrier used in batteries and energy storage systems to prevent propagation of thermal runaway. This standard provides criteria to categorize thermal barriers for different battery types based on their performance.

CTA (Consumer Technology Association)

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

Contact: Veronica Lancaster; vlancaster@cta.tech

New Standard

BSR/CTA 2107-202x, The Use of Artificial Intelligence in Health Care: Data Governance/Stewardship (new standard)

Stakeholders: consumers, manufacturers and retailers

Project Need: To develop best practices related to data governance/stewardship for the use of artificial intelligence in health care.

Scope: This standard explores best practices related to data governance/stewardship for the use of artificial intelligence in health care.

FM (FM Approvals)

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

Contact: Josephine Mahnken; josephine.mahnken@fmaprovals.com

New Standard

BSR/FM 1616-202x, Underground Pipe Rehabilitation Systems (new standard)

Stakeholders: Any municipality or commercial business that has underground piping that is need of repair to address leakage, corrosion or water quality issues. These areas are likely, although not exclusively, to be found in older industrial areas/cities. Stakeholders (beneficiaries) would include the general public, municipal water works, commercial building owners and insurance companies.

Project Need: Underground piping systems are continually subject to corrosion as well as environmental and operational stresses from soil pressure, traffic loading, frost loads, thermal loading, and operational pressure. The resulting deterioration reduces the structural integrity and increases the risk of failure which may lead to loss of water supply for municipal or industry use. When compared to conventional open-trench replacement methods, pipe-rehabilitation methods are often less expensive as well as less disruptive to the surrounding environment. Although there are numerous industry (ASTM and AWWA) guidelines and standards available, there is no American National Standard. This standard would meet that need.

Scope: The standard states certification criteria for rehabilitation systems for use in underground fire service water mains using the cured in-place (CIPP) pipe lining method. Rehabilitation of existing underground piping systems is a means to extend the useful life of existing mains by increasing the hydraulic capacity of a piping system as well as providing structural improvement to reduce leakage, lessen the risk of property damage, and improve reliability. Non-structural or other pipe-lining systems different from cured in-place (CIPP) are not addressed in the standard. Because of the possibility of connection to potable water systems, the pipe rehabilitation systems addressed in the standard must be suitable for potable water service as listed for this service by NSF International (NSF).

FM (FM Approvals)

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Contact: Josephine Mahnken; josephine.mahnken@fmaprovals.com

Revision

BSR/FM 4477-202x, Vegetative Roof Systems (revision of ANSI/FM 4477-2016)

Stakeholders: Building Code Officials, manufacturers, architects, consultants, loss prevention engineers, insurance agencies.

Project Need: This standard determines if vegetative roof systems intended to be installed directly over a roof cover assembly will meet minimum specific stated conditions of fire from above and below the structural deck, foot traffic, puncture resistance, and water leakage.

Scope: This test standard provides a procedure for evaluating vegetative roof systems for their performance in regard to fire from above and below the structural deck, foot traffic, puncture resistance, and water leakage.

HSI (Healthcare Standards Institute)

10231 Kotzebue Street, San Antonio, TX 78217 www.hsi.health/

Contact: Veronica Muzquiz Edwards; hboisjoly@ingenesis.com

New National Adoption

BSR/HSI 009-202x, General Requirements for Telehealth Management (identical national adoption of ISO/NP 7164)

Stakeholders: Ministries of Health, Departments of Health Public and Global Health Researchers, Universities and Institutions Non-governmental agencies that provide health systems funding and resources (Bill and Melinda Gates Foundation, The Global Fund, The Clinton Foundation, GAVI the Vaccine Alliance, etc.) Intergovernmental agencies: The World Bank, World Trade Organization, OECD, World Health Organization, International Telecommunication Union (ITU) Switzerland Health system employees (healthcare providers and all laborers within the system)

Consumers/Patients International societies [(International Society for Telemedicine and e-Health (ISfTeH),

International Society for Quality in Health Care (ISQua), International Accreditation Forum (IAF)]

Project Need: Human health has only ever improved because of advances in technology. From the development of modern sanitation to the advent of penicillin, anaesthesia, vaccines, and magnetic resonance imaging, science, research, and technology have always been key drivers of better health. It's no different today. Advances in technology are continuing to push back the boundaries of disease. Digital technologies enable us to test for diabetes, HIV, and malaria on the spot, instead of sending samples off to a laboratory. 3-D printing is revolutionizing the manufacture of medical devices, orthotics, and prosthetics. Telemedicine, remote care, and mobile health are helping us transform health by delivering care in people's homes and strengthening care in health facilities. Harnessing the power of digital technologies is essential for achieving the Sustainable Development Goals, including universal health coverage and the other "triple billion" targets in WHO's 13th General Programme of Work. Such technologies are no longer a luxury; they are a necessity." (Dr Tedros Adhanom Ghebreyesus, Director-General, World Health Organization WHO Guideline: Recommendations on Digital Interventions for Health Systems Strengthening, 2019). In 2005, the World Health Assembly through its resolution WHA58.28 on eHealth urged Member States "to consider drawing up a long-term strategic plan for developing and implementing eHealth services...to develop the infrastructure for information and communication technolo ...".

Scope: This standard specifies a series of quality measures used to establish high-quality telehealth systems at a national level when an organization: (a) needs to demonstrate its ability to consistently provide services that meet customer/patient, stakeholder, and applicable statutory and regulatory requirements, (b) aims to enhance customer/patient satisfaction through the effective application of the telehealth system, including processes for improvement of the system and the assurance of conformity to customer/patient, and applicable statutory and regulatory requirements, and (c) demonstrate its commitment to a telehealth system that is for the people, equitable, resilient, safe, and efficient. The requirements of this International Standard are intended to be applicable to any telehealth system, regardless of its organizational structure or size.

IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005 www.ies.org

Contact: Patricia McGillicuddy; pmcgillicuddy@ies.org

New Standard

BSR/IES RP-44-202x, Recommended Practice: Ultraviolet Germicidal Irradiation (UVGI) (new standard)

Stakeholders: Lighting practitioners, test labs, researchers, healthcare providers, maintenance personnel, regulatory agencies, light source and luminaire manufacturers, installers, distributors.

Project Need: This document addresses the use of germicidal ultraviolet radiation for disinfection of room air and surfaces; potential dangers for humans; potential effects on materials and plants; UVGI technologies; and safety measures and precautions. It does not address photobiological safety with respect to emission or exposure limits; those topics are addressed in BSR/IES RP-27.4-x, Recommended Practice: Photobiological Safety of Germicidal Lamp Systems for Upper-Room Applications.

Scope: The term “germicidal UV (GUV)” is sometimes used to refer to ultraviolet radiant energy that can be used to inactivate bacteria, protozoa, mold spores, fungi, or viruses. When the process is applied in a given location, it has generally been referred to as ultraviolet germicidal irradiation (UVGI). Because of the public’s concern about ionizing radiation (e.g., X-rays and gamma rays), the term “GUV” is sometimes used to avoid needless concerns about a link with that type of radiation, although there are other potential safety concerns (see Section 3.3). Another non-technical term is “germicidal light”, although “light” is usually considered only visible radiation. Others may refer to the spectral band and term it “germicidal UV-C”.

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

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New National Adoption

INCITS/ISO/IEC 13818-1:2019/AM1:2020 [202x], Information technology - Generic coding of moving pictures and associated audio information - Part 1: Systems - Amendment 1: Carriage of JPEG XS in MPEG-2 TS (identical national adoption of ISO/IEC 13818-1:2019/AM1:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 1 to ISO/IEC 13818-1:2019.

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

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New National Adoption

INCITS/ISO/IEC 13818-1:2019/COR1:2020 [202x], Information technology - Generic coding of moving pictures and associated audio information - Part 1: Systems - Technical Corrigendum 1 (identical national adoption of ISO/IEC 13818-1:2019/COR1:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Technical Corrigendum 1 to ISO/IEC 13818-1:2019.

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New National Adoption

INCITS/ISO/IEC 14496-3:2019 [202x], Information technology - Coding of audio-visual objects - Part 3: Audio (identical national adoption of ISO/IEC 14496-3:2019 and revision of INCITS/ISO/IEC 14496-3:2009 [R2017])

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Integrates many different types of audio coding: natural sound with synthetic sound, low-bitrate delivery with high-quality delivery, speech with music, complex soundtracks with simple ones, and traditional content with interactive and virtual-reality content. This document standardizes individually sophisticated coding tools to provide a novel, flexible framework for audio synchronization, mixing, and downloaded post-production.

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

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New National Adoption

INCITS/ISO/IEC 14496-10:2020 [202x], Information technology - Coding of audio-visual objects - Part 10: Advanced video coding (identical national adoption of ISO/IEC 14496-10:2020 and revision of INCITS/ISO/IEC 14496-10:2014 [R2020])

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies advanced video coding for coding of audio-visual objects.

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

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New National Adoption

INCITS/ISO/IEC 14496-12:2020 [202x], Information technology - Coding of audio-visual objects - Part 12: ISO base media file format (identical national adoption of ISO/IEC 14496-12:2020 and revision of INCITS/ISO/IEC 14496-12:2015 [2019])

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

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

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New National Adoption

INCITS/ISO/IEC 14496-14:2020 [202x], Information technology - Coding of audio-visual objects - Part 14: MP4 file format (identical national adoption of ISO/IEC 14496-14:2020 and revision of INCITS/ISO/IEC 14496-14:2003 [R2018])

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: This document defines the MP4 file format, as derived from the ISO Base Media File format.

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

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Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 14496-15:2019 [202x], Information technology - Coding of audio-visual objects - Part 15: Carriage of network abstraction layer (NAL) unit structured video in the ISO base media file format (identical national adoption of ISO/IEC 14496-15:2019 and revision of INCITS/ISO/IEC 14496-15:2017 [2019])

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies the storage format for streams of video that is structured as NAL units, such as AVC (ISO/IEC 14496-10) and HEVC (ISO/IEC 23008-2) video streams

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Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 14496-26:2010 [202x], Information technology - Coding of audio-visual objects - Part 26: Audio conformance (identical national adoption of ISO/IEC 14496-26:2010)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies how tests can be designed to verify whether compressed data and decoders meet requirements specified by ISO/IEC 14496-3. In ISO/IEC 14496-26:2010, encoders are not addressed specifically. An encoder may be said to be an ISO/IEC 14496 encoder if it generates compressed data compliant with the syntactic and semantic bitstream payload requirements specified in ISO/IEC 14496-3.

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

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Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 14496-30:2018 [202x], Information technology - Coding of audio-visual objects - Part 30: Timed text and other visual overlays in ISO base media file format (identical national adoption of ISO/IEC 14496-30:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Describes the carriage of some forms of timed text and subtitle streams in files based on ISO/IEC 14496-12 (the ISO base media file format). The documentation of these forms does not preclude other definition of carriage of timed text or subtitles; see, for example, 3GPP Timed Text (3GPP TS 26.245), or the carriage of captioning information embedded in a media stream of another type (see Annex A).

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New National Adoption

INCITS/ISO/IEC 14496-33:2019 [202x], Information technology - Coding of audio-visual objects - Part 33: Internet video coding (identical national adoption of ISO/IEC 14496-33:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies MPEG-4 Internet video coding.

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

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New National Adoption

INCITS/ISO/IEC 14496-15:2019/AM1:2020 [202x], Information technology - Coding of audio-visual objects - Part 15: Carriage of network abstraction layer (NAL) unit structured video in the ISO base media file format - Amendment 1: Improved support for tiling and layering (identical national adoption of ISO/IEC 14496-15:2019/AM1:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 1 to ISO/IEC 14496-15:2019.

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Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 14496-16:2011/AM4:2017 [202x], Information technology - Coding of audio-visual objects - Part 16: Animation Framework eXtension (AFX) - Amendment 4: Pattern-based 3D mesh coding (PB3DMC) (identical national adoption of ISO/IEC 14496-16:2011/AM4:2017)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 4 to ISO/IEC 14496-16:2011.

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Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 14496-22:2019/AM1:2020 [202x], Information technology - Coding of audio-visual objects - Part 22: Open Font Format - Amendment 1: Color font technology and other updates (identical national adoption of ISO/IEC 14496-22:2019/AM1:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 1 to ISO/IEC 14496-22:2019.

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

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Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 14496-26:2010/AM5:2018 [202x], Information technology - Coding of audio-visual objects - Part 26: Audio conformance - Amendment 5: Conformance for new levels of ALS simple profile, SBR enhancements (identical national adoption of ISO/IEC 14496-26:2010/AM5:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 5 to ISO/IEC 14496-26:2010.

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New National Adoption

INCITS/ISO/IEC 14496-4:2004/AM46:2019 [202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 46: Conformance testing for internet video coding (identical national adoption of ISO/IEC 14496-4:2004/AM46:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 46 to ISO/IEC 14496-4:2004.

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New National Adoption

INCITS/ISO/IEC 14496-5:2001/AM24:2009 [202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 24: Reference software for AAC-ELD (identical national adoption of ISO/IEC 14496-5:2001/AM24:2009)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 24 to ISO/IEC 14496-5:2001.

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New National Adoption

INCITS/ISO/IEC 14496-5:2001/AM40:2019 [202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 40: Printing material and 3D graphics coding for browsers reference software (identical national adoption of ISO/IEC 14496-5:2001/AM40:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 40 to ISO/IEC 14496-5:2001.

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New National Adoption

INCITS/ISO/IEC 14496-5:2001/AM41:2019 [202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 41: Reference software for internet video coding (identical national adoption of ISO/IEC 14496-5:2001/AM41:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 41 to ISO/IEC 14496-5:2001.

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New National Adoption

INCITS/ISO/IEC 14496-5:2001/AM42:2017 [202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 42: Reference software for the alternative depth information SEI message extensor of AVC (identical national adoption of ISO/IEC 14496-5:2001/AM42:2017)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 42 to ISO/IEC 14496-5:2001.

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New National Adoption

INCITS/ISO/IEC 14496-5:2001/AM43:2018 [202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 43: New levels of ALS simple profile, SBR enhancements (identical national adoption of ISO/IEC 14496-5:2001/AM43:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 43 to ISO/IEC 14496-5:2001.

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New National Adoption

INCITS/ISO/IEC 14496-5:2001/AM24:2009/COR3:2017 [202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 24: Reference software for AAC-ELD - Technical Corrigendum 3 (identical national adoption of ISO/IEC 14496-5:2001/AM24:2009/COR3:2017)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Technical Corrigendum 3 to ISO/IEC 14496-5:2001/AM24:2009.

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New National Adoption

INCITS/ISO/IEC 15444-15:2019 [202x], Information technology - JPEG 2000 image coding system - Part 15: High-Throughput JPEG 2000 (identical national adoption of ISO/IEC 15444-15:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies an alternate block-coding algorithm that can be used in place of the block-coding algorithm specified in Rec. ITU-T T.800 | ISO/IEC 15444-1. This alternate block-coding algorithm offers a significant increase in throughput at the expense of slightly reduced coding efficiency, while a) allowing mathematically lossless transcoding to and from codestreams that use the block-coding algorithm specified in Rec. ITU-T T.800 | ISO/IEC 15444-1, and b) preserving codestream syntax and features specified in Rec. ITU-T T.800 | ISO/IEC 15444-1.

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New National Adoption

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

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

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

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New National Adoption

INCITS/ISO/IEC 15938-6:2020 [202x], Information technology - Multimedia content description interface - Part 6: Reference software (identical national adoption of ISO/IEC 15938-6:2020 and revision of INCITS/ISO/IEC 15938-6:2003 [R2018])

INCITS/ISO/IEC 15938-6:2003/AM1:2006 [R2019]

INCITS/ISO/IEC 15938-6:2003/AM2:2007 [R2019])

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Operates on and generates conformant bitstreams. This document provides a specific implementation that behaves in a conformant manner.

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New National Adoption

INCITS/ISO/IEC 15938-14:2018 [202x], Information technology - Multimedia content description interface - Part 14: Reference software, conformance and usage guidelines for compact descriptors for visual search (identical national adoption of ISO/IEC 15938-14:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Provides the reference software, specifies the conformance testing, and gives usage guidelines for ISO/IEC 15938-13.

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New National Adoption

INCITS/ISO/IEC 15938-15:2019 [202x], Information technology - Multimedia content description interface - Part 15: Compact descriptors for video analysis (identical national adoption of ISO/IEC 15938-15:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Addresses descriptor technology for search and retrieval applications, i.e. for visual content matching in video. Visual content matching includes matching of views of large and small objects and scenes, with robustness to partial occlusions as well as changes in vantage point, camera parameters and lighting conditions. The objects of interest comprise planar or non-planar, rigid or partially rigid, textured or partially textured objects, but exclude the identification of people and faces.

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New National Adoption

INCITS/ISO/IEC 18477-1:2020 [202x], Information technology - Scalable compression and coding of continuous-tone still images - Part 1: Core coding system specification (identical national adoption of ISO/IEC 18477-1:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies a coding format, referred to as JPEG XT, which is designed primarily for continuous-tone photographic content. This document defines the core coding system, which forms the basis for the entire ISO/IEC 18477 series.

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New National Adoption

INCITS/ISO/IEC 18477-4:2017 [202x], Information technology - Scalable compression and coding of continuous-tone still images - Part 4: Conformance testing (identical national adoption of ISO/IEC 18477-4:2017)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies the framework, concepts, methodology for testing, and criteria to be achieved to claim conformance to one or multiple parts of ISO/IEC 18477 as listed below. It provides a framework for specifying abstract test suites and for defining the procedures to be followed during conformance testing.

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New National Adoption

INCITS/ISO/IEC 18477-5:2018 [202x], Information technology - Scalable compression and coding of continuous-tone still images - Part 5: Reference software (identical national adoption of ISO/IEC 18477-5:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Provides reference implementations of multiple parts of the ISO/IEC 18477 series, also known under the name "JPEG XT". JPEG XT is designed primarily for compression of continuous-tone photographic content.

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New National Adoption

INCITS/ISO/IEC 18477-7:2017 [202x], Information technology - Scalable compression and coding of continuous-tone still images - Part 7: HDR Floating-Point Coding (identical national adoption of ISO/IEC 18477-7:2017)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies a coding format, referred to as JPEG XT, which is designed primarily for continuous-tone photographic content.

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New National Adoption

INCITS/ISO/IEC 18477-8:2020 [202x], Information technology - Scalable compression and coding of continuous-tone still images - Part 8: Lossless and near-lossless coding (identical national adoption of ISO/IEC 18477-8:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies a coding format, referred to as JPEG XT, which is designed primarily for continuous-tone photographic content. This document defines extensions that allow lossless coding of such content while staying compatible with the core coding system specified in ISO/IEC 18477-1.

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New National Adoption

INCITS/ISO/IEC 19566-4:2020 [202x], Information technologies - JPEG systems - Part 4: Privacy and security (identical national adoption of ISO/IEC 19566-4:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies privacy and security features which contribute to a system layer for JPEG standards. It defines generic structures that can be applied in all JPEG box-based file formats. In particular, this document specifies a signalling syntax supporting privacy and security features. The framework in this document is backwards-compatible with existing JPEG standards.

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New National Adoption

INCITS/ISO/IEC 19566-5:2019 [202x], Information technologies - JPEG systems - Part 5: JPEG universal metadata box format (JUMBF) (identical national adoption of ISO/IEC 19566-5:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Describes the JPEG universal metadata box format (JUMBF), which provides a universal format to embed any type of metadata in any box-based JPEG file format. This document defines the syntax of the JUMBF box and the mechanism to assign specific content types. In particular, this document specifies XML, JSON, codestream and UUID types. In addition, this document defines the syntax to reference or request the embedded metadata content within or outside the image.

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New National Adoption

INCITS/ISO/IEC 19566-6:2019 [202x], Information technologies - JPEG systems - Part 6: JPEG 360 (identical national adoption of ISO/IEC 19566-6:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: This document specifies omnidirectional/360-degree image and motion contents using Rec. ITU-T T.81 | ISO/IEC 10918‑1, Rec. ITU-T T.800 (11/2015) | ISO/IEC 15444-1, and ISO/IEC 18477-3.

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New National Adoption

INCITS/ISO/IEC 21000-19:2010 [202x], Information technology - Multimedia framework (MPEG-21) - Part 19: Media Value Chain Ontology (identical national adoption of ISO/IEC 21000-19:2010)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Describes MPEG-21 Media Value Chain Ontology (MVCO). The MVCO may be used to capture knowledge about media value chains and to represent it in a computer readable way, concepts in the domain and the relationships between those concepts.

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New National Adoption

INCITS/ISO/IEC 21000-21:2017 [202x], Information technology - Multimedia framework (MPEG-21) - Part 21: Media contract ontology (identical national adoption of ISO/IEC 21000-21:2017)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies an ontology for representing contracts in the Multimedia Framework formed for the transaction of MPEG-21 Digital Items or services related to the MPEG-21 Framework.

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New National Adoption

INCITS/ISO/IEC 21000-8:2008/AM4:2018 [202x], Information technology - Multimedia framework (MPEG-21) - Part 8: Reference software - Amendment 4: Media value chain ontology extensions on time-segments and multi-track audio (identical national adoption of ISO/IEC 21000-8:2008/AM4:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 4 to ISO/IEC 21000-8:2008.

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New National Adoption

INCITS/ISO/IEC 21000-19:2010/AM1:2018 [202x], Information technology - Multimedia framework (MPEG-21) - Part 19: Media Value Chain Ontology - Amendment 1: Extensions on time-segments and multi-track audio (identical national adoption of ISO/IEC 21000-19:2010/AM1:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 1 to ISO/IEC 21000-19:2010.

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New National Adoption

INCITS/ISO/IEC 21122-4:2020 [202x], Information technology - JPEG XS low-latency lightweight image coding system - Part 4: Conformance testing (identical national adoption of ISO/IEC 21122-4:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies the framework, concepts, methodology for testing, and criteria to be achieved to claim conformance to multiple parts of the ISO/IEC 21122 series. It lists the conformance testing procedures.

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New National Adoption

INCITS/ISO/IEC 21122-5:2020 [202x], Information technology - JPEG XS low-latency lightweight image coding system - Part 5: Reference software (identical national adoption of ISO/IEC 21122-5:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Contains the reference software of the ISO/IEC 21122 series. It acts as a guideline for implementation and as a reference for conformance testing.

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New National Adoption

INCITS/ISO/IEC 21794-1:2020 [202x], Information technology - Plenoptic image coding system (JPEG Pleno) - Part 1: Framework (identical national adoption of ISO/IEC 21794-1:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies the plenoptic image coding system framework architecture and its instantiation via a generic file format for storage of plenoptic modalities as well as associated metadata descriptors.

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New National Adoption

INCITS/ISO/IEC 23000-13:2017 [202x], Information technology - Multimedia application format (MPEG-A) - Part 13: Augmented reality application format (identical national adoption of ISO/IEC 23000-13:2017)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies the following: scene description elements for representing AR content; mechanisms to connect to local and remote sensors and actuators; mechanisms to integrated compressed media (image, audio, video, graphics); mechanisms to connect to remote resources such as maps and compressed media.

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New National Adoption

INCITS/ISO/IEC 23000-15:2016 [202x], Information technology - Multimedia application format (MPEG-A) - Part 15: Multimedia preservation application format (identical national adoption of ISO/IEC 23000-15:2016)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies the standard representation of the multimedia description information (MPDI) generated and used by an organization in the process of preserving a multimedia asset for the purpose of facilitating the exchange of multimedia content between archives or other stakeholders (e.g., publishers, broadcasters, service providers, and the like), as well as subsequent preservation and use.

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New National Adoption

INCITS/ISO/IEC 23000-16:2018 [202x], Information technology - Multimedia application format (MPEG-A) - Part 16: Publish/Subscribe Application Format (identical national adoption of ISO/IEC 23000-16:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies four formats that are used by parties communicating using the Publish/Subscribe (PubSub) communication model for their multimedia communication purposes.

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New National Adoption

INCITS/ISO/IEC 23000-17:2018 [202x], Information technology - Multimedia application format (MPEG-A) - Part 17: Multiple sensorial media application format (identical national adoption of ISO/IEC 23000-17:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies a file format which is capable of storage, interchange, management, editing, and presentation of multiple sensorial media contents based on the ISO base media file format. The file format provides the overall structure for storing multiple sensorial media contents.

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New National Adoption

INCITS/ISO/IEC 23000-18:2018 [202x], Information technology - Multimedia application formats (MPEG-A) - Part 18: Media linking application format (identical national adoption of ISO/IEC 23000-18:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies a data structure called "bridget". A bridget is a link between a "source" content and a "destination" content. The bridget contains information on the source content and on the destination content, on the link between the two and on how the information contained in the bridget is to be presented to users consuming the source content in order to enable them to make considerate decisions about whether to consume the destination content.

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New National Adoption

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

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies the CMAF multimedia format, which contains segmented media objects optimized for streaming delivery and decoding on end user devices in adaptive multimedia presentations.

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New National Adoption

INCITS/ISO/IEC 23000-21:2019 [202x], Information technology - Multimedia application format (MPEG-A) - Part 21: Visual identity management application format (identical national adoption of ISO/IEC 23000-21:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies the standard representation of the set of signalling and data used in the process of preserving privacy for storage sharing image/video.

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New National Adoption

INCITS/ISO/IEC 23000-22:2019 [202x], Information technology - Multimedia application format (MPEG-A) - Part 22: Multi-image application format (MIAF) (identical national adoption of ISO/IEC 23000-22:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies the Multi-Image Application Format (MIAF), which contains coded images, groups, and sequences of images along with their metadata and the information about their relations to each other, all embedded in the High Efficiency Image File (HEIF) format.

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New National Adoption

INCITS/ISO/IEC 23000-15:2016/AM1:2017 [202x], Information technology - Multimedia application format (MPEG-A) - Part 15: Multimedia preservation application format - Amendment 1: Implementation guidelines for MP-AF (identical national adoption of ISO/IEC 23000-15:2016/AM1:2017)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 1 to ISO/IEC 23000-15:2016.

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New National Adoption

INCITS/ISO/IEC 23001-4:2017 [202x], Information technology - MPEG systems technologies - Part 4: Codec configuration representation (identical national adoption of ISO/IEC 23001-4:2017)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Defines the methods and general principles capable of describing codec configurations in the reconfigurable video coding (RVC) framework. It primarily addresses reconfigurable video aspects and will only focus on the description of representation for video codec configurations within the RVC framework.

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New National Adoption

INCITS/ISO/IEC 23001-7:2016 [202x], Information technology - MPEG systems technologies - Part 7: Common encryption in ISO base media file format files (identical national adoption of ISO/IEC 23001-7:2016)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies common encryption formats for use in any file format based on ISO/IEC 14496-12. File, track, and track fragment metadata is specified to enable multiple digital rights and key management systems (DRMs) to access the same common encrypted file or stream. This part of ISO/IEC 23001 does not define a DRM system.

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New National Adoption

INCITS/ISO/IEC 23001-10:2020 [202x], Information technology - MPEG systems technologies - Part 10: Carriage of timed metadata metrics of media in ISO base media file format (identical national adoption of ISO/IEC 23001-10:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Defines a storage format for timed metadata. The timed metadata can be associated with other tracks in the ISO base media file format. Timed metadata such as quality and power consumption information and their metrics are defined in this part for carriage in files based on the ISO base media file format (ISO/IEC 14496-12). The timed metadata can be used for multiple purposes including supporting dynamic adaptive streaming.

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New National Adoption

INCITS/ISO/IEC 23001-11:2019 [202x], Information technology - MPEG systems technologies - Part 11: Energy-efficient media consumption (green metadata) (identical national adoption of ISO/IEC 23001-11:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies metadata for energy-efficient decoding, encoding, presentation, and selection of media.

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New National Adoption

INCITS/ISO/IEC 23001-12:2018 [202x], Information technology - MPEG systems technologies - Part 12: Sample variants (identical national adoption of ISO/IEC 23001-12:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Defines sample variants and their carriage in the ISO base media file format (ISO/IEC 14496-12) and MPEG-2 transport stream (ISO/IEC 13818-1).

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New National Adoption

INCITS/ISO/IEC 23001-13:2019 [202x], Information technology - MPEG systems technologies - Part 13: Media orchestration (identical national adoption of ISO/IEC 23001-13:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies an architecture for media orchestration, as well as associated messaging and control, timed metadata, the carriage of that timed metadata, and orchestration data.

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New National Adoption

INCITS/ISO/IEC 23001-14:2019 [202x], Information technology - MPEG systems technologies - Part 14: Partial file format (identical national adoption of ISO/IEC 23001-14:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies the partial file format, which is a generic format for describing a file partially received over lossy communication channels. This format contains the correctly received data, missing block identification, and repair information such as location of the file or high-level original indexing information. This format can be used with any file formats, and provides additional helper tools for formats deriving from ISO/IEC 14496-12.

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New National Adoption

INCITS/ISO/IEC 23001-7:2016/AM1:2019 [202x], Information technology - MPEG systems technologies - Part 7: Common encryption in ISO base media file format files - Amendment 1: AES-CBC-128 and key rotation (identical national adoption of ISO/IEC 23001-7:2016/AM1:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 1 to ISO/IEC 23001-7:2016.

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New National Adoption

INCITS/ISO/IEC 23002-4:2018 [202x], Information technology - MPEG video technologies - Part 4: Video tool library (identical national adoption of ISO/IEC 23002-4:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Defines the description of the MPEG video tool library (VTL), based on the decoder description specified in ISO/IEC 23001-4. This tool library defines the specification of FUs, which are sufficient to build complete decoding solutions according to the following coding standards: ISO/IEC 14496-2 (MPEG-4 Simple Profile), ISO/IEC 14496-10 (MPEG-4 AVC Constrained Baseline Profile and Progressive High Profile), ISO/IEC 14496-16 (MPEG-4 SC3DMC), and ISO/IEC 23008-2 (HEVC Main Profile).

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New National Adoption

INCITS/ISO/IEC 23002-5:2017 [202x], Information technology - MPEG video technologies - Part 5: Reconfigurable media coding conformance and reference software (identical national adoption of ISO/IEC 23002-5:2017)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Describes: what is meant by conformance of what is specified in ISO/IEC 23002-4, the structure of the reference software related to what is specified in ISO/IEC 23002-4. Currently, the following profiles are included in ISO/IEC 23002-4 and in this document as reference software: ISO/IEC 14496-2 Simple Profile, ISO/IEC 14496-10 Constrained Baseline Profile, ISO/IEC 14496-10 Progressive High Profile, ISO/IEC 14496-16 SC3DMC, and ISO/IEC 23008-2 Main Profile.

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New National Adoption

INCITS/ISO/IEC 23003-2:2018 [202x], Information technology - MPEG audio technologies - Part 2: Spatial Audio Object Coding (SAOC) (identical national adoption of ISO/IEC 23003-2:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies the reference model of the spatial audio object coding (SAOC) technology that is capable of recreating, modifying, and rendering a number of audio objects based on a smaller number of transmitted channels and additional parametric data.

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New National Adoption

INCITS/ISO/IEC 23003-3:2020 [202x], Information technology - MPEG audio technologies - Part 3: Unified speech and audio coding (identical national adoption of ISO/IEC 23003-3:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies a unified speech and audio codec which is capable of coding signals having an arbitrary mix of speech and audio content. The codec has a performance comparable to, or better than, the best-known coding technology that might be tailored specifically to coding of either speech or general audio content. The codec supports single- and multi-channel coding at high bitrates and provides perceptually transparent quality. At the same time, it enables very efficient coding at very low bitrates while retaining the full audio bandwidth.

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New National Adoption

INCITS/ISO/IEC 23003-4:2020 [202x], Information technology - MPEG audio technologies - Part 4: Dynamic range control (identical national adoption of ISO/IEC 23003-4:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies technology for loudness and dynamic range control. It is applicable to most MPEG audio technologies. It offers flexible solutions to efficiently support the widespread demand for technologies such as loudness normalization and dynamic range compression for various playback scenarios.

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New National Adoption

INCITS/ISO/IEC 23003-5:2020 [202x], Information technology - MPEG audio technologies - Part 5: Uncompressed audio in MPEG-4 file format (identical national adoption of ISO/IEC 23003-5:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Defines how uncompressed audio is carried in files in the family of standards based on the ISO base media file format. This includes mono, stereo, and multi-channel audio in Linear Pulse Code Modulation (LPCM) format with various word lengths and sampling rates, and also floating point format. Such representations also occur in other container formats, such as RIFF WAV or AIFF.

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New National Adoption

INCITS/ISO/IEC 23003-1:2017/AM4:2017 [202x], Information technology - MPEG audio technologies - Part 1: MPEG Surround - Amendment 4: Reference software for MPEG surround extension for 3D audio (identical national adoption of ISO/IEC 23003-1:2017/AM4:2017)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 4 to ISO/IEC 23003-1:2017.

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New National Adoption

INCITS/ISO/IEC 23005-1:2020 [202x], Information technology - Media context and control - Part 1: Architecture (identical national adoption of ISO/IEC 23005-1:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies the architecture of MPEG-V (media context and control) and its three types of associated use cases: information adaptation from virtual world to real world; information adaptation from real world to virtual world; information exchange between virtual worlds.

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New National Adoption

INCITS/ISO/IEC 23005-2:2018 [202x], Information technology - Media context and control - Part 2: Control information (identical national adoption of ISO/IEC 23005-2:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: The technologies of this document specified are: description languages and vocabularies to characterize devices and users; control information to fine tune the sensed information and the actuator command for the control of virtual/real worlds, i.e., user's actuation preference information, user's sensor preference information, actuator capability description, and sensor capability description. The adaptation engine is not within the scope of this document.

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New National Adoption

INCITS/ISO/IEC 23005-3:2019 [202x], Information technology - Media context and control - Part 3: Sensory information (identical national adoption of ISO/IEC 23005-3:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specified in this document are description languages and vocabularies which describe sensorial effects. The adaptation engine is not within the scope of this document (or the ISO/IEC 23005 series). This document specifies syntax and semantics of the tools describing sensory information to enrich audio-visual contents: Sensory Effect Description Language (SEDL) as an XML schema-based language which enables one to describe a basic structure of sensory information; Sensory Effect Vocabulary (SEV), an XML representation for describing sensorial effects such as light, wind, fog, vibration, etc. that trigger human senses.

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New National Adoption

INCITS/ISO/IEC 23005-4:2018 [202x], Information technology - Media context and control - Part 4: Virtual world object characteristics (identical national adoption of ISO/IEC 23005-4:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: The technologies of this document specified are description languages and vocabularies to describe virtual world objects. The adaptation engine is not within the scope of this document. This document specifies syntax and semantics of the tools used to characterize a virtual-world object-related metadata: Virtual World Object

Characteristics (VWOC) as an XML Schema-based language, which enables one to describe a basic structure of avatars and virtual world objects in virtual environments.

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New National Adoption

INCITS/ISO/IEC 23005-5:2019 [202x], Information technology - Media context and control - Part 5: Data formats for interaction devices (identical national adoption of ISO/IEC 23005-5:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies syntax and semantics of the data formats for interaction devices by providing a standardized format for interfacing actuators and sensors by defining XML-schema-based language named Interaction Information Description Language (IIDL). IIDL provides a basic structure with common information for communication with various actuators and sensors in consistency.

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New National Adoption

INCITS/ISO/IEC 23005-6:2019 [202x], Information technology - Media context and control - Part 6: Common types and tools (identical national adoption of ISO/IEC 23005-6:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Provides definitions of data types and tools, which are used in other parts of the ISO/IEC 23005 series, but are not specific to a single part. This document specifies syntax and semantics of the data types and tools common to the tools defined in the other parts of the ISO/IEC 23005 series, such as basic data types which are used as basic building blocks in more than one of the tools in the ISO/IEC 23005 series, color-related basic types which are used in light and color-related tools to help in specifying color-related characteristics of the devices or commands, and time stamp types which can be used in device commands, and sensed information to specify timing related information.

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New National Adoption

INCITS/ISO/IEC 23005-7:2019 [202x], Information technology - Media context and control - Part 7: Conformance and reference software (identical national adoption of ISO/IEC 23005-7:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies the conformance and reference software implementing the normative clauses of all parts of the ISO/IEC 23005 series. The information provided is applicable for determining the reference software modules available for the parts of the ISO/IEC 23005 series, understanding the functionality of the available reference software modules, and utilizing the available reference software modules. The available reference software modules are specified in the form of application programming interfaces (API) according to ISO/IEC 23006-1.

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New National Adoption

INCITS/ISO/IEC 23006-1:2018 [202x], Information technology - Multimedia service platform technologies - Part 1: Architecture (identical national adoption of ISO/IEC 23006-1:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies the MPEG-M architecture that is made accessible through the set of MPEG-M high-level APIs, MPEG extensible middleware API, elementary services, and service aggregation specified in ISO/IEC 23006-2, ISO/IEC 23006-4, and ISO/IEC 23006-5, and as a software implementation in ISO/IEC 23006-3, respectively.

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New National Adoption

INCITS/ISO/IEC 23008-1:2017 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 1: MPEG media transport (MMT) (identical national adoption of ISO/IEC 23008-1:2017)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies MPEG media transport (MMT) technologies, which include a single encapsulation format, delivery protocols, and signalling messages for transport and delivery of multimedia data over heterogeneous packet-switched networks for multimedia services. Types of packet-switched networks supported by this document include bidirectional networks such as Internet Protocol (IP) networks and unidirectional networks such as digital broadcast networks (which may or may not use the IP).

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New National Adoption

INCITS/ISO/IEC 23008-2:2020 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 2: High efficiency video coding (identical national adoption of ISO/IEC 23008-2:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: This document specifies high-efficiency video coding.

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New National Adoption

INCITS/ISO/IEC 23008-3:2019 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 3: 3D audio (identical national adoption of ISO/IEC 23008-3:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies technology that supports the efficient transmission of immersive audio signals and flexible rendering for the playback of immersive audio in a wide variety of listening scenarios. These include home theatre setups with 3D loudspeaker configurations, 2.2.2 loudspeaker systems, automotive entertainment systems, and playback over headphones connected to a tablet or smartphone.

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New National Adoption

INCITS/ISO/IEC 23008-4:2020 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 4: MMT reference software (identical national adoption of ISO/IEC 23008-4:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: This document provides the reference software for MMT and its description.

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New National Adoption

INCITS/ISO/IEC 23008-5:2017 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 5: Reference software for high efficiency video coding (identical national adoption of ISO/IEC 23008-5:2017)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Provides accompanying reference software for Rec. ITU-T H.265 | ISO/IEC 23008-2 as an electronic attachment. The software is an integral part of this document.

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New National Adoption

INCITS/ISO/IEC 23008-6:2020 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 6: 3D audio reference software (identical national adoption of ISO/IEC 23008-6:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: This document contains simulation software for the MPEG-H 3D audio standard as defined in ISO/IEC 23008-3.

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New National Adoption

INCITS/ISO/IEC 23008-8:2018 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 8: Conformance specification for HEVC (identical national adoption of ISO/IEC 23008-8:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies a set of tests and procedures designed to indicate whether encoders or decoders meet the normative requirements specified in Rec. ITU-T H.265 | ISO/IEC 23008-2.

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New National Adoption

INCITS/ISO/IEC 23008-11:2015 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 11: MPEG media transport composition information (identical national adoption of ISO/IEC 23008-11:2015)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies MPEG Composition Information (CI), a method describing composition information of media for delivery of multimedia services over packet-based heterogeneous networks. The technologies for composition function specify the method associating content delivered in the format defined in this part of ISO/IEC 23008 to the presentation and the method representing synchronization between timed and non-timed content.

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New National Adoption

INCITS/ISO/IEC 23008-12:2017 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 12: Image File Format (identical national adoption of ISO/IEC 23008-12:2017)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: The formats defined in ISO/IEC 23008-12:2017 enable the interchange, editing, and display of images, as well as the carriage of metadata associated with those images. The Image File Format builds on tools defined in ISO/IEC 14496-12 to define an interoperable storage format for a single image, a collection of images, and sequences of images. Specifies brands for the storage of images and image sequences conforming to High Efficiency Video Coding (HEVC).

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New National Adoption

INCITS/ISO/IEC 23008-1:2017/AM1:2017 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 1: MPEG media transport (MMT) - Amendment 1: Use of MMT Data in MPEG-H 3D Audio (identical national adoption of ISO/IEC 23008-1:2017/AM1:2017)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 1 to ISO/IEC 23008-1:2017.

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New National Adoption

INCITS/ISO/IEC 23008-3:2019/AM1:2019 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 3: 3D audio - Amendment 1: Audio metadata enhancements (identical national adoption of ISO/IEC 23008-3:2019/AM1:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 1 to ISO/IEC 23008-3:2019.

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New National Adoption

INCITS/ISO/IEC 23008-3:2019/AM2:2020 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 3: 3D audio - Amendment 2: 3D Audio baseline profile, corrections and improvements (identical national adoption of ISO/IEC 23008-3:2019/AM2:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 2 to ISO/IEC 23008-3:2019.

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New National Adoption

INCITS/ISO/IEC 23008-5:2017/AM1:2017 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 5: Reference software for high efficiency video coding - Amendment 1: Reference software for screen content coding extensions (identical national adoption of ISO/IEC 23008-5:2017/AM1:2017)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 1 to ISO/IEC 23008-5:2017.

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New National Adoption

INCITS/ISO/IEC 23008-8:2018/AM1:2019 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 8: Conformance specification for HEVC - Amendment 1: Conformance testing for HEVC screen content coding (SCC) extensions and non-intra high throughput profiles (identical national adoption of ISO/IEC 23008-8:2018/AM1:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 1 to ISO/IEC 23008-8:2018.

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New National Adoption

INCITS/ISO/IEC 23008-11:2017/COR1:2017 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 11: MPEG media transport composition information - Technical Corrigendum 1 (identical national adoption of ISO/IEC 23008-11:2017/COR1:2017)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Technical Corrigendum 1 to ISO/IEC 23008-11:2017.

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New National Adoption

INCITS/ISO/IEC 23008-12:2017/AM1:2020 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 12: Image File Format - Amendment 1: Support for predictive image coding, bursts, bracketing and other improvements (identical national adoption of ISO/IEC 23008-12:2017/AM1:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 1 to ISO/IEC 23008-12:2017.

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New National Adoption

INCITS/ISO/IEC 23008-12:2017/COR1:2020 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 12: Image File Format - Technical Corrigendum 1 (identical national adoption of ISO/IEC 23008-12:2017/COR1:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Technical Corrigendum 1 to ISO/IEC 23008-12:2017.

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New National Adoption

INCITS/ISO/IEC 23009-1:2019 [202x], Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 1: Media presentation description and segment formats (identical national adoption of ISO/IEC 23009-1:2019)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies formats for the Media Presentation Description and Segments for dynamic adaptive streaming delivery of MPEG media over HTTP. It is applicable to streaming services over the Internet.

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New National Adoption

INCITS/ISO/IEC 23009-2:2020 [202x], Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 2: Conformance and reference software (identical national adoption of ISO/IEC 23009-2:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies the conformance and reference software implementing the test vectors comprising media presentation descriptions, segments, and combinations thereof in ISO/IEC 23009-1, and the corresponding software modules.

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New National Adoption

INCITS/ISO/IEC 23009-4:2018 [202x], Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 4: Segment encryption and authentication (identical national adoption of ISO/IEC 23009-4:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: This document specifies: Format-independent segment encryption and signalling mechanisms for use with any media segment format used in DASH (ISO/IEC 23009-1); Mechanisms to ensure segment integrity and authenticity for use with any segment used in DASH (ISO/IEC 23009-1).

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 23009-5:2017 [202x], Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 5: Server and network assisted DASH (SAND) (identical national adoption of ISO/IEC 23009-5:2017)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Defines the following: the functional SAND architecture which identifies the SAND network elements and the nature of SAND messages exchanged among them; the semantics of SAND messages exchanged between the network elements present in the SAND architecture; an encoding scheme for the SAND messages; the SAND message delivery protocol.

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 23009-6:2017 [202x], Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 6: DASH with server push and WebSockets (identical national adoption of ISO/IEC 23009-6:2017)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies the carriage of MPEG-DASH media presentations over full-duplex HTTP-compatible protocols, particularly HTTP/2 and WebSocket. This carriage takes advantage of the features these protocols support over HTTP/1.1 to improve delivery performance, while still maintaining backwards compatibility, particularly for the delivery of low-latency live video.

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 23009-5:2017/AM1:2020 [202x], Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 5: Server and network assisted DASH (SAND) - Amendment 1: Improvements on SAND messages (identical national adoption of ISO/IEC 23009-5:2017/AM1:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 1 to ISO/IEC 23009-5:2017.

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 23090-8:2020 [202x], Information technology - Coded representation of immersive media - Part 8: Network based media processing (identical national adoption of ISO/IEC 23090-8:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Defines the interfaces including both data formats and application programming interfaces (APIs) among the entities connected through digital networks for media processing. Users can access and configure their operations remotely for efficient, intelligent processing. This document describes and manages workflows to be applied to the media data. This process includes uploading of media data to the network, instantiation of the media processing tasks, and configuration of the tasks. The framework enables dynamic creation of media processing pipelines, as well as access to processed media data and metadata in real-time or in a deferred way.

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 23091-1:2018 [202x], Information technology - Coding-independent code points - Part 1: Systems (identical national adoption of ISO/IEC 23091-1:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Series defines various systems code points and fields that establish properties of a multimedia stream that are independent of the compression encoding and bit rate. These properties could describe the appropriate interpretation of decoded multimedia data or could, similarly, describe the characteristics of such signals before the signal is compressed by an encoder that is suitable for compressing such an input signal.

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 23091-3:2018 [202x], Information technology - Coding-independent code points - Part 3: Audio (identical national adoption of ISO/IEC 23091-3:2018)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Defines various code points and fields that establish properties of an audio stream that are independent of the compression encoding and bit rate. These properties could describe the appropriate interpretation of decoded audio data or could, similarly, describe the characteristics of such signals before the signal is compressed by an encoder that is suitable for compressing such an input signal.

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 23092-1:2020 [202x], Information technology - Genomic information representation - Part 1: Transport and storage of genomic information (identical national adoption of ISO/IEC 23092-1:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: This document specifies data formats for both transport and storage of genomic information, including the conversion process.

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 23092-2:2020 [202x], Information technology - Genomic information representation - Part 2: Coding of genomic information (identical national adoption of ISO/IEC 23092-2:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Provides specifications for the representation of the following types of genomic information: unaligned sequencing reads including read identifiers and quality values; aligned sequencing reads including read identifiers and quality values; reference sequences.

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 23092-3:2020 [202x], Information technology - Genomic information representation - Part 3: Metadata and application programming interfaces (APIs) (identical national adoption of ISO/IEC 23092-3:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies information metadata, auxiliary fields, SAM interoperability, protection metadata, and programming interfaces of genomic information. It defines: metadata storage and interpretation for the different encapsulation levels as specified in ISO/IEC 23092-1 (in Clause 6); protection elements providing confidentiality, integrity and privacy rules at the different encapsulation levels specified in ISO/IEC 23092-1 (in Clause 7); how to associate auxiliary fields to encoded reads (in Clause 8); mechanisms for backward compatibility with existing SAM content, and exportation to this format (in Annex C); interfaces to access genomic information coded in compliance with ISO/IEC 23092-1 and ISO/IEC 23092-2 (in Subclause 8.1).

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 23092-4:2020 [202x], Information technology - Genomic information representation - Part 4: Reference software (identical national adoption of ISO/IEC 23092-4:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies genomic information representation reference software, referred to as the genomic model (GM). This decoding software is provided to assess conformance to the requirements of ISO/IEC 23092-1 and ISO/IEC 23092-2.

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 23092-5:2020 [202x], Information technology - Genomic information representation - Part 5: Conformance (identical national adoption of ISO/IEC 23092-5:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies a set of test procedures designed to verify whether bitstreams and decoders meet requirements specified in ISO/IEC 23092-1 and ISO/IEC 23092-2.

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 23093-1:2020 [202x], Information technology - Internet of media things - Part 1: Architecture (identical national adoption of ISO/IEC 23093-1:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: This document describes the architecture of systems for the internet of media things.

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 23093-4:2020 [202x], Information technology - Internet of media things - Part 4: Reference software and conformance (identical national adoption of ISO/IEC 23093-4:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies the conformance and reference software implementing ISO/IEC 23093-3. The information provided is applicable for determining the reference software modules available for ISO/IEC 23093-3, understanding the functionality of the available reference software modules, and utilizing the available reference software modules.

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 23094-1:2020 [202x], Information technology - General video coding - Part 1: Essential video coding (identical national adoption of ISO/IEC 23094-1:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies a video coding technology known as essential video coding (EVC), which contains syntax format, semantics and an associated decoding process. The decoding process is designed to guarantee that all EVC decoders conform to a specified combination of capabilities known as the profile, level, and toolset. Any decoding process that produces identical cropped decoded output pictures to those produced by the described process is considered to be in conformance with the requirements of this document.

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 29170-2:2015 [202x], Information technology - Advanced image coding and evaluation - Part 2: Evaluation procedure for nearly lossless coding (identical national adoption of ISO/IEC 29170-2:2015)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Normalizes evaluation and grading of a light coding system used for displays and display systems, but is independent of the display technology. This procedure measures whether an observer can distinguish between an uncompressed reference and the reconstructed image to a pre-determined, statistically meaningful level.

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 29170-2:2015/AM1:2020 [202x], Information technology - Advanced image coding and evaluation - Part 2: Evaluation procedure for nearly lossless coding - Amendment 1: Evaluation procedure parameters for nearly lossless coding of high dynamic range media and image sequences (identical national adoption of ISO/IEC 29170-2:2015/AM1:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Amendment 1 to ISO/IEC 29170-2:2015.

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 29199-2:2020 [202x], Information technology - JPEG XR image coding system - Part 2: Image coding specification (identical national adoption of ISO/IEC 29199-2:2020)

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: This document specifies a coding format, referred to as JPEG XR, which is designed primarily for continuous-tone photographic content.

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

Contact: Deborah Spittle; comments@standards.incits.org

New National Adoption

INCITS/ISO/IEC 14882:2020 [202x], Programming Languages - C++ (identical national adoption of ISO/IEC 14882:2020 and revision of INCITS/ISO/IEC 14882:2017 [2018])

Stakeholders: ICT industry.

Project Need: Adoption of this international standard is beneficial to the ICT industry.

Scope: Specifies requirements for implementations of the C++ programming language. The first such requirement is that they implement the language, so this document also defines C++. Other requirements and relaxations of the first requirement appear at various places within this document. C++ is a general-purpose programming language based on the C programming language as described in ISO/IEC 9899:2018 Programming languages - C (referred to in this standard as the C standard). C++ provides many facilities beyond those provided by C, including additional data types, classes, templates, exceptions, namespaces, operator overloading, function name overloading, references, free-store management operators, and additional library facilities.

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 www.nema.org

Contact: Khaled Masri; Khaled.Masri@nema.org

Revision

BSR ICEA P-117-734-202X, Ampacities for Single-Conductor Solid Dielectric Power Cable 15 kV Through 35 kV (revision of ANSI/ICEA P-117-734-2016)

Stakeholders: Wires and cables manufacturers, utility companies.

Project Need: Introduce new product requirements.

Scope: This publication presents calculated ampacities for single-conductor solid-dielectric 15 through 35 kV power cables with multiple bonded and grounded shields, copper or aluminum conductors, single- or three -phase operation, spaced or trefoil configurations, single or double circuits, directly buried or in buried ducts. Ampacities are given for three or four different shield resistances for each conductor size.

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 www.nema.org

Contact: Khaled Masri; Khaled.Masri@nema.org

Revision

BSR ICEA S-100-685-202X, Standard for Thermoplastic Insulated and Jacketed Telecommunications Station Wire for Indoor/Outdoor Use (revision of ANSI/ICEA S-100-685-2014)

Stakeholders: Users and producers of telecommunications wire and cable.

Project Need: To bring the standard in line with the current state of the art.

Scope: This Standard covers station wire, intended primarily for application on the premises of communications users. The wire is intended for use in transition applications requiring a combination of fire and weather resistance, such as between the point of demarcation (the network interface device/protector) and the telephone termination device within single and multi-family dwellings.

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 www.nema.org

Contact: Khaled Masri; Khaled.Masri@nema.org

Revision

BSR ICEA S-113-684-202x, Performance Based Standard for Electric Utility Extruded Dielectric Shielded Power Cables Rated 5 Through 46 kV (revision of ANSI/ICEA S-113-684-2016)

Stakeholders: Wires and cables manufacturers, utility companies.

Project Need: Introduce new requirements and update standards.

Scope: This standard provides the basis for designing non-traditional shielded power cables that will be rated 5 to 46 kV and be used for the transmission and distribution of electrical energy. These non-traditional cables will normally have overall diameters that are less than the diameters of what are considered traditional shielded power cables as specified in ICEA Standards S-94-649 and S-97-682.

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 www.nema.org

Contact: Khaled Masri; Khaled.Masri@nema.org

Revision

BSR ICEA S-119-741-202X, Standard for Fiber to the Antenna (FTTA) Optical Fiber Cable (revision of ANSI/ICEA S-119-741-2016)

Stakeholders: Wires and cables manufacturers, utility companies.

Project Need: Introduce new product requirements.

Scope: Fiber to the Antenna (FTTA) cables covered by this standard include cable used for distribution and delivery of optical fiber from the baseband unit (BBU) of a cell site to the remote radio unit (RRU)/active antenna unit (AAU) on the associated structure. These cables may be a hybrid design, incorporating electrical conductors for power delivery and control, or standalone optical cables.

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 www.nema.org

Contact: Khaled Masri; Khaled.Masri@nema.org

Revision

BSR ICEA S-121-733-202X, Tree Wire and Messenger Supported Spacer Cable (revision of ANSI/ICEA S-121-733-2016)

Stakeholders: Wires and cables manufacturers, utility companies.

Project Need: Introduce new product requirements and update standard.

Scope: This standard applies to the materials, constructions, and testing of tree-wire and messenger-supported spacer cable. These conductors are intended primarily for the distribution of electrical energy under normal conditions of overhead (aerial) installations.

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 www.nema.org

Contact: Khaled Masri; Khaled.Masri@nema.org

Revision

BSR ICEA S-70-547-202X, Standard for Weather Resistant Polyethylene Covered Conductor (revision of ANSI/ICEA S-70-547-2016)

Stakeholders: Users, producers, and parties interested in insulated cable.

Project Need: Introduce new product requirements.

Scope: This standard applies to the materials, constructions, and testing of weather-resistant polyethylene covered conductors, rated for 75°C or 90°C normal service temperature. These conductors are intended primarily for the distribution of electrical energy under normal conditions of overhead (aerial) installations and service outdoors.

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 www.nema.org

Contact: Khaled Masri; Khaled.Masri@nema.org

Revision

BSR ICEA S-83-596-202x, Standard for Indoor Optical Cable (revision of ANSI/ICEA S-83-596-2016)

Stakeholders: Optical fiber cable manufacturers, builders, and developers.

Project Need: This standard defines optical fiber cables intended for use in the buildings of communications users.

Scope: This Standard covers fiber optic communications cables intended for use in the buildings of communications users. Materials, constructions, and performance requirements are included in the Standard, together with applicable test procedures. Refer to ICEA S-104-696 for optical fiber communications cables intended for indoor-outdoor use.

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 www.nema.org

Contact: Khaled Masri; Khaled.Masri@nema.org

Revision

BSR ICEA T-22-294-202x, ICEA Test Procedures for Extended Time-Testing of Wire and Cable Insulations for Service in Wet Locations (revision of ANSI/ICEA T-22-294-2016)

Stakeholders: User and producers of insulated cable.

Project Need: Establish test procedures for extended time-testing of wire and cable insulations for service in wet locations.

Scope: This publication describes procedures for long-term testing of extruded wire and cable insulations for service in wet (submerged) locations. It is intended to apply to insulations rated for service up to 2000 volts inclusive. Tests may be conducted on single or multiple wall insulations, using either ac or dc voltage, as applicable.

NENA (National Emergency Number Association)

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

Contact: Delaine Arnold; darnold@nena.org

Revision

BSR/NENA STA-013.3-202x, NENA Public Safety Communications & Railroad Interaction Standard Operating Procedures (revision and redesignation of ANSI/NENA STA-013.2-2016)

Stakeholders: Public safety authorities, PSAPs, railroad call center management and personnel, Federal Railroad Administration, railroad field responders, emergency first responders.

Project Need: 5-year review - revisions needed.

Scope: It is of benefit to both railroad and PSAP personnel to have standardized national recommendations and procedures, ensuring a quick and accurate information exchange and coordination of response. NENA with input from the Federal Railroad Administration will provide updated information and guidance for operational interaction between PSAPs, railroad call centers, railroad-sworn personnel in the field, and related railroad responders.

PLASTICS (Plastics Industry Association)

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

Contact: Jennifer Jones; jjones@plasticsindustry.org

Revision

BSR/PLASTICS B151.1-202x, Safety Requirements for Injection Molding Machines (revision of ANSI/PLASTICS B151.1-2017)

Stakeholders: Plastics machinery manufacturers, plastics processors, injection molding machine users.

Project Need: This document will be revised so as to not conflict with the requirements of ISO 20430.

Scope: The requirements of this standard apply to Horizontal and Vertical Clamp Injection Molding Machines (HCIMMs and VCIMMs) that process plastic materials and inject said material into a mold(s) held closed by the acting clamp.

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 <https://ul.org/>

Contact: Marcia Kawate; Marcia.M.Kawate@ul.org

New Standard

BSR/UL 1309A-202x, Standard for Safety for Cable for Use in Mobile Installations (new standard)

Stakeholders: Wire and cable manufacturers Industrial installers; Drilling industry.

Project Need: The purpose is to provide an ANSI-approved standard, UL 1309A, covering requirements for Type P cables used in mobile installations. This Standard will provide requirements and test methods for Type P cable that is to be used in accordance with the NEC, NFPA 70, Article 337. This UL 1309A standard is intended to advance UL's current outline of investigation for the subject.

Scope: UL 1309A covers requirements for cables up through 2000 Volts which may be used in accordance with Article 337 of the National Electrical Code (NEC), ANSI/NFPA 70. Cables complying with this standard are eligible to be marked with the designation "Type P". Cable marked "Type P" is a single or multi conductor cable, with an equipment grounding conductor and overall nonmetallic jacket and may be armored and sheathed or unarmored. Type P cable can be used on mobile installations such as land drilling rigs, or other similar equipment and for industrial installations.

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: April 11, 2021

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

180 Technology Parkway NW, Peachtree Corners, GA 30092 p: (678) 539-2114 w: www.ashrae.org

Addenda

BSR/ASHRAE/IES Addendum b to BSR/ASHRAE/IES Standard 100-202x, Energy Efficiency in Existing Buildings (addenda to ANSI/ASHRAE/IES Standard 100-2018)

This addendum adds energy efficiency measures to Informative Annex E, "Energy Efficiency Measures."

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

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

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-1636 w: <https://ul.org/>

Reaffirmation

BSR/UL 1699B-2018 (R202x), Standard for Safety for Photovoltaic (PV) DC Arc-Fault Circuit Protection (reaffirmation of ANSI/UL 1699B-2018)

(1) Revision to requirements for the self-testing of circuits; (2) Additional set-up figure for the arc-fault detection test. (3) Revision for additional single/dual module test configurations; (4) Clarification of miscellaneous requirements; (6) Clarification when using array simulators.

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

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

Comment Deadline: April 11, 2021

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062 p: (847) 664-3198 w: <https://ul.org/>

Revision

BSR/UL 82-202x, Standard for Safety for Electric Gardening Appliances (revision of ANSI/UL 82-2020)

(1) Revisions to paragraph SA2; (2) To clarify the application of test requirements to Battery-Powered Gardening Appliances with Respect to Accessible Parts and the Mold Stress Test.

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

Send comments (with optional copy to 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 p: (847) 664-3198 w: <https://ul.org/>

Revision

BSR/UL 583-202x, Standard for Safety for Electric-Battery-Powered Industrial Trucks (revision of ANSI/UL 583-2020)

(1) Proposed revision to Paragraph 64.2 to allow for electronic distribution of installation instructions for field-installed accessories.

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

Send comments (with optional copy to 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 p: (919) 549-1479 w: <https://ul.org/>

Revision

BSR/UL 1004-1-202x, Standard for Safety for Rotating Electrical Machines - General Requirements (revision of ANSI/UL 1004-1-2020)

The following is proposed: New requirements for Low Ambient Duty Motors.

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

Send comments (with optional copy to 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)

171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada p: (613) 368-4419 w: <https://ul.org/>

Revision

BSR/UL 1738-202x, Standard for Safety for Venting Systems for Gas-Burning Appliances, Categories II, III, and IV (revision of ANSI/UL 1738-2014 (R2020))

Clarification and alignment with ULC-S636 (1) TOPIC 1 - Section 16 – General; (2) TOPIC 2 - Section 17 – Test Installations.

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

Send comments (with optional copy to 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 p: (847) 664-3038 w: <https://ul.org/>

Revision

BSR/UL 61058-1-202X, Standard for Switches for Appliances - Part 1: General Requirements (revision of ANSI/UL 61058-1-2017)

UL 61058-1 Ed. 5 is harmonized with IEC 61058-1:2016, however, it's found that there is an error in Table 16 in UL 61058-1.

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

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

Comment Deadline: April 26, 2021

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 p: (410) 990-4460 w: www.abycinc.org

Revision

BSR/ABYC C-1-202x, Primer Bulbs (revision of ANSI/ABYC C-1-2016)

This standard addresses the design, material selection, construction, installation, and replacement of primer bulbs installed in gasoline fuel systems. This standard applies to the primer bulb and primer bulb assemblies consisting of the primer bulb, the connecting hose lengths, and the fittings necessary to connect the fuel tank to the engine on outboard engine installations.

Single copy price: \$50.00

Obtain an electronic copy from: www.abycinc.org

Send comments (with optional copy to psa@ansi.org) to: comments@abycinc.org

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 p: (410) 990-4460 w: www.abycinc.org

Revision

BSR/ABYC C-2-202x, Carbon Canisters for Marine Applications (revision of ANSI/ABYC C-2-2016)

This standard applies to carbon canister devices installed for the purpose of reducing hydrocarbon emissions. It addresses the design, manufacture, testing, and application of carbon canisters as a device to reduce evaporative hydrocarbon emissions in a marine gasoline fuel system caused by the diurnal cycle.

Single copy price: \$50.00

Obtain an electronic copy from: www.abycinc.org

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ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 p: (410) 990-4460 w: www.abycinc.org

Revision

BSR/ABYC H-2-202x, Ventilation of Boats Using Gasoline (revision of ANSI/ABYC H-2-2013)

This standard addresses the design, construction, and installation of both powered and natural ventilation systems for engine and fuel tank compartments of boats for the purpose of expelling or diluting potentially explosive gasoline vapor from a boat's interior. This standard applies to boats using gasoline for electrical generation, mechanical power, or propulsion, including outboard powered boats.

Single copy price: \$50.00

Obtain an electronic copy from: www.abycinc.org

Send comments (with optional copy to psa@ansi.org) to: comments@abycinc.org

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 p: (410) 990-4460 w: www.abycinc.org

Revision

BSR/ABYC H-25-202x, Portable and Semi-Portable Marine Gasoline Fuel Systems (revision of ANSI/ABYC H-25-2016)

This standard addresses the design, construction, and stowage of portable tanks with related fuel lines and accessories comprising a portable gasoline fuel system for boats.

Single copy price: \$50.00

Obtain an electronic copy from: www.abycinc.org

Send comments (with optional copy to psa@ansi.org) to: comments@abycinc.org

Comment Deadline: April 26, 2021

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 p: (410) 990-4460 w: www.abycinc.org

Revision

BSR/ABYC H-28-202x, Inflatable Boats (revision of ANSI/ABYC H-28-2016)

This standard addresses the design, construction, material, and testing of inflatable boats, including rigid inflatable boats, and applies to all inflatable boats, including rigid inflatable boats less than 8 meters (26 ft) in length overall capable of being mechanically powered.

Single copy price: \$50.00

Obtain an electronic copy from: www.abycinc.org

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ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 p: (410) 990-4460 w: www.abycinc.org

Revision

BSR/ABYC S-8-202x, Boat Measurement and Weight (revision of ANSI/ABYC S-8-2016)

This industry conformity standard applies to all boats and establishes uniformity in describing boat dimensions and weight specifications.

Single copy price: \$50.00

Obtain an electronic copy from: www.abycinc.org

Send comments (with optional copy to psa@ansi.org) to: comments@abycinc.org

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 p: (312) 587-4129 w: www.ada.org

New National Adoption

BSR/ADA Standard No. 101-202x, Endodontic Instruments - General Requirements (identical national adoption of ISO 3630 -1:2019 and revision of ANSI/ADA Standard No. 101-2001)

This standard specifies general requirements and test methods for endodontic instruments used for endodontic purposes (e. g., enlargers, compactors) shaping and cleaning instruments and a numbering system, size designations, color-coding and identification symbols.

Single copy price: \$56.00

Obtain an electronic copy from: standards@ada.org

Order from: Paul Bralower; bralowerp@ada.org

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

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 p: (312) 587-4129 w: www.ada.org

New National Adoption

BSR/ADA Standard No. 105-202x, Elastomeric Auxiliaries for Use in Orthodontics (national adoption of ISO 21606:2007 with modifications and revision of ANSI/ADA Standard No. 105-2010 (R2015))

This standard is applicable to all elastomeric auxiliaries, including orthodontic elastics, elastomeric bands, chains, links, and thread and ligatures used for orthodontics in conjunction with fixed and removable appliances.

Single copy price: \$73.00

Obtain an electronic copy from: standards@ada.org

Order from: Paul Bralower; bralowerp@ada.org

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Comment Deadline: April 26, 2021

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 p: (312) 587-4129 w: www.ada.org

New National Adoption

BSR/ADA Standard No. 119-202x, Manual Toothbrushes (identical national adoption of ISO 20126:2012/Amd 1:2018 and revision of ANSI/ADA Standard No. 119-2015)

This standard describes requirements and test methods for the physical properties of manual toothbrushes in order to promote the safety of these products for their intended use. ANSI/ADA Standard No. 119 will be revised by identically incorporating ISO 20126/Amd. 1:2018.

Single copy price: \$88.00

Obtain an electronic copy from: standards@ada.org

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ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 p: (312) 587-4129 w: www.ada.org

New National Adoption

BSR/ADA Standard No. 15-202x, Artificial Teeth for Dental Prostheses (identical national adoption of ISO 22112:2017 and revision of ANSI/ADA Standard No. 15-2008 (R2013))

This standard defines the classification, requirements, and test methods for synthetic polymer and ceramic teeth that are manufactured for use in prostheses used in dentistry.

Single copy price: \$80.00

Obtain an electronic copy from: standards@ada.org

Order from: Paul Bralower; bralowerp@ada.org

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

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 p: (312) 587-4129 w: www.ada.org

New National Adoption

BSR/ADA Standard No. 182-202x, Test Method for the Bonding Test between Polymer Teeth and Denture Base Polymer (identical national adoption of ISO/TS 19736:2017)

This standard specifies a test method for the bonding of polymer teeth to denture base materials.

Single copy price: \$48.00

Obtain an electronic copy from: standards@ada.org

Order from: Paul Bralower; bralowerp@ada.org

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

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 p: (312) 587-4129 w: www.ada.org

New National Adoption

BSR/ADA Standard No. 194-202x, Color Tabs for Intraoral Tooth Color Determination (identical national adoption of ISO 22598:2020)

This document specifies requirements for tooth-like color representations made of ceramic materials used to determine the tooth color in the patient's mouth or to check the color of dental prosthesis, which are referred to as color tabs in this document.

Single copy price: \$48.00

Obtain an electronic copy from: standards@ada.org

Order from: Paul Bralower; bralowerp@ada.org

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

Comment Deadline: April 26, 2021

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 p: (312) 587-4129 w: www.ada.org

New National Adoption

BSR/ADA Standard No. 195-202x, Dental Tweezers (identical national adoption of ISO 15098:2020)

This document specifies general requirements and test methods for metallic dental tweezers of the Meriam type and for College type.

Single copy price: \$73.00

Obtain an electronic copy from: standards@ada.org

Order from: Paul Bralower; bralowerp@ada.org

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

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 p: (312) 587-4129 w: www.ada.org

New National Adoption

BSR/ADA Standard No. 196-202x, Materials for Dental Instruments - Stainless Steel (identical national adoption of ISO 21850-1:2020)

This document specifies stainless steel commonly used in manufacturing dental instruments. It is applicable to stainless steel materials used to manufacture either an entire instrument or a part of the instrument. It is applicable to single-use and reusable dental instruments, whether it is or it is not connected to a power-driven system.

Single copy price: \$111.00

Obtain an electronic copy from: standards@ada.org

Order from: Paul Bralower; bralowerp@ada.org

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

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 p: (312) 587-4129 w: www.ada.org

New National Adoption

BSR/ADA Standard No. 197-202x, Spoons and Bone Curettes in Dentistry (identical national adoption of ISO 22570:2020)

This document specifies requirements and test methods for spoons and bone curettes used in dentistry for oral surgical procedures. It specifies shapes and dimensions as well as information for marking.

Single copy price: \$73.00

Obtain an electronic copy from: standards@ada.org

Order from: Paul Bralower; bralowerp@ada.org

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

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 p: (312) 587-4129 w: www.ada.org

New National Adoption

BSR/ADA Standard No. 28-202x, Endodontic instruments - Shaping and Cleaning Instruments (identical national adoption of ISO 3630-5:2019 and revision of ANSI/ADA Standard No. 28-2008 (R2013))

This standard specifies requirements and test methods for hand-held or mechanically operated shaping and cleaning instruments used to perform root canal procedures. It specifies requirements for size, marking, product designation, safety considerations, labeling, and packaging.

Single copy price: \$56.00

Obtain an electronic copy from: standards@ada.org

Order from: Paul Bralower; bralowerp@ada.org

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New National Adoption

BSR/ADA Standard No. 33-202x, Vocabulary Used in Dental Standards Development (identical national adoption of ISO 1942:2020 and revision of ANSI/ADA Standard No. 33-2003 (R2014))

The purpose of this standard is to provide a standardized nomenclature for dental products and testing to permit the developers of dental product standards to discuss concepts and procedures in such a way that they will be understood by those who must interpret these documents and test the products to determine if they are suitable for their intended purpose.

Single copy price: \$48.00

Obtain an electronic copy from: standards@ada.org

Order from: Paul Bralower; bralowerp@ada.org

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

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 p: (312) 587-4129 w: www.ada.org

New National Adoption

BSR/ADA Standard No. 47-1-202x, Stationary Dental Units and Patient Chairs - Part 1: General Requirements (national adoption of ISO 7494-1:2018 with modifications and revision of ANSI/ADA Standard No. 47-2006 (R2017))

This document specifies requirements and test methods for stationary dental units, dental patient chairs, and combinations of both regardless of whether they are or not electrically powered.

Single copy price: \$111.00

Obtain an electronic copy from: standards@ada.org

Order from: Paul Bralower; bralowerp@ada.org

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

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 p: (312) 587-4129 w: www.ada.org

New National Adoption

BSR/ADA Standard No. 47-2-202x, Stationary Dental Units and Patient Chairs - Part 2: Air, Water Suction and Wastewater Systems (national adoption with modifications of ISO 7494-2:2015)

This standard specifies requirements and test methods concerning: (1) the configuration of dental unit connections to the compressed air supply, water supply, suction supply, and wastewater drain plumbing; (2) the materials, design, and construction of the compressed air and water system within the dental unit; (3) the quality for incoming water and air; and (4) the performance of dental unit suction system.

Single copy price: \$149.00

Obtain an electronic copy from: standards@ada.org

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ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 p: (312) 587-4129 w: www.ada.org

New National Adoption

BSR/ADA Standard No. 57-202x, Endodontic Sealing Materials (national adoption of ISO 6876:2012 with modifications and revision of ANSI/ADA Standard No. 57-2000 (R2012))

This standard specifies requirements and test methods for endodontic sealing materials, which set with or without the assistance of moisture, and are used for permanent obturation of the root canal.

Single copy price: \$53.00

Obtain an electronic copy from: standards@ada.org

Order from: Paul Bralower; bralowerp@ada.org

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ADA (American Dental Association)

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New National Adoption

BSR/ADA Standard No. 94-202x, Central Compressed Air Source Equipment (identical national adoption of ISO 22052:2020 and revision of ANSI/ADA Standard No. 94-1996 (R2014))

This standard specifies requirements and test methods for central compressed-air source equipment supplying air for dental units and air-consuming devices in the dental office; and quality requirements and test methods for the air produced by the central compressed-air source equipment.

Single copy price: \$40.00

Obtain an electronic copy from: standards@ada.org

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ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 p: (312) 587-4129 w: www.ada.org

Withdrawal

ANSI/ADA Standard No. 58-2010 (R2015), Root Canal Files, Type H (Hedstrom) (withdrawal of ANSI/ADA Standard No. 58-2010 (R2015))

This standard specifies requirements and test methods for root canal files, Type H (Hedstrom) used to perform root canal procedures.

Single copy price: \$56.00

Obtain an electronic copy from: standards@ada.org

Order from: Paul Bralower; bralowerp@ada.org

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

New Standard

BSR/ASTM WK60202-202x, Guide for Homogeneity of Samples and Reference Materials Used for Inter- and Intra-Laboratory Studies (new standard)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger; accreditation@astm.org

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

ASTM (ASTM International)

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New Standard

BSR/ASTM WK62968-202x, Practice for Butt-Fusion Joining of Crosslinkable Polyethylene (CX-PE) Pipe and Tubing (new standard)

https://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

New Standard

BSR/ASTM WK65955-202x, Practice for Specimen Preparation of Fenestration Profiles Intended to Support Non-Combustible In-Fill Materials to Assess Surface Burning Characteristics (new standard)

https://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)

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New Standard

BSR/ASTM WK74677-202x, Specification for Polyethylene of Raised Temperature/Aluminum/Polyethylene of Raised Temperature (PERT/AL/PE-RT) Composite Pressure Pipe1 based on Inner Diameter (ID) for Use in Air Conditioning and Refrigeration Line (new standard)

https://www.astm.org/ANSI_SA

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ASTM (ASTM International)

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Reaffirmation

BSR/ASTM D8073-2016 (R202x), Test Method for Determination of Water Separation Characteristics of Aviation Turbine Fuel by Small Scale Water Separation Instrument (reaffirmation of ANSI/ASTM D8073-2016)

https://www.astm.org/ANSI_SA

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Reaffirmation

BSR/ASTM E2574/E2574M-2017 (R202x), Test Method for Fire Testing of School Bus Seat Assemblies (reaffirmation of ANSI/ASTM E2574/E2574M-2017)

https://www.astm.org/ANSI_SA

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Reaffirmation

BSR/ASTM F1281-2017 (R202x), Specification for Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe (reaffirmation of ANSI/ASTM F1281-2017)

https://www.astm.org/ANSI_SA

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Reaffirmation

BSR/ASTM F1282-2017 (R202x), Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe (reaffirmation of ANSI/ASTM F1282-2017)

https://www.astm.org/ANSI_SA

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ASTM (ASTM International)

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Revision

BSR/ASTM D2466-202x, Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40 (revision of ANSI/ASTM D2466-2017a)

https://www.astm.org/ANSI_SA

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Revision

BSR/ASTM D2609-202x, Specification for Plastic Insert Fittings for Polyethylene (PE) Plastic Pipe (revision of ANSI/ASTM D2609-2017)

https://www.astm.org/ANSI_SA

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Revision

BSR/ASTM D4171-202x, Specification for Fuel System Icing Inhibitors (revision of ANSI/ASTM D4171-2016A)

https://www.astm.org/ANSI_SA

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ASTM (ASTM International)

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Revision

BSR/ASTM D6299-202x, Practice for Applying Statistical Quality Assurance and Control Charting Techniques to Evaluate Analytical Measurement System Performance (revision of ANSI/ASTM D6299-2020)

https://www.astm.org/ANSI_SA

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Revision

BSR/ASTM D7990-202x, Test Method for Using Reflectance Spectra to Produce an Index of Temperature Rise in Polymeric Siding (revision of ANSI/ASTM D7990-2015)

https://www.astm.org/ANSI_SA

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Revision

BSR/ASTM E8/E8M-202x, Test Methods for Tension Testing of Metallic Materials (revision of ANSI/ASTM E8/E8M-2021)

https://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM E84-202x, Test Method for Surface Burning Characteristics of Building Materials (revision of ANSI/ASTM E84-2020)

https://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM E136-202x, Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750C (revision of ANSI/ASTM E136-2019)

https://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)

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Revision

BSR/ASTM E176-202x, Terminology of Fire Standards (revision of ANSI/ASTM E176-2019)

https://www.astm.org/ANSI_SA

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ASTM (ASTM International)

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Revision

BSR/ASTM E662-202x, Test Method for Specific Optical Density of Smoke Generated by Solid Materials (revision of ANSI/ASTM E662-2019)

https://www.astm.org/ANSI_SA

Single copy price: Free

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Comment Deadline: April 26, 2021

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM E2231-202x, Practice for Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess Surface Burning Characteristics (revision of ANSI/ASTM E2231-2019)

https://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM E2579-202x, Practice for Specimen Preparation and Mounting of Wood Products to Assess Surface Burning Characteristics (revision of ANSI/ASTM E2579-2021)

https://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM E2935-202x, Practice for Conducting Equivalence Tests for Comparing Testing Processes (revision of ANSI/ASTM E2935-2020)

https://www.astm.org/ANSI_SA

Single copy price: Free

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100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM E3265-202x, Guide for Evaluating Water-Miscible Metalworking Fluid Foaming Tendency (revision of ANSI/ASTM E3265-2020)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger; accreditation@astm.org

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

Comment Deadline: April 26, 2021

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F437-202x, Specification for Threaded Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80 (revision of ANSI/ASTM F437-2017)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F656-202x, Specification for Primers for Use in Solvent Cement Joints of Poly(Vinyl Chloride) (PVC) Plastic Pipe and Fittings (revision of ANSI/ASTM F656-2017)

https://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F2389-202x, Specification for Pressure-Rated Polypropylene (PP) Piping Systems (revision of ANSI/ASTM F2389-2019)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Laura Klineburger; accreditation@astm.org

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

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Revision

BSR/ASTM F2618-202x, Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Pipe and Fittings for Chemical Waste Drainage Systems (revision of ANSI/ASTM F2618-2019)

https://www.astm.org/ANSI_SA

Single copy price: Free

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Order from: Laura Klineburger; accreditation@astm.org

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

Comment Deadline: April 26, 2021

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 p: (800) 443-9353 308 w: www.aws.org

Addenda

BSR/AWS D15.1/D15.1M-202x-AMD1, Railroad Welding Specification for Cars and Locomotives (addenda to ANSI/AWS D15.1/D15.1M-2019)

This specification establishes minimum welding standards for the manufacture and maintenance of railcars, locomotives, and their components, intended for North American railroad service. Clauses 4 through 17 cover the general requirements for welding in the railroad industry. Clauses 18 through 23 cover specific requirements for the welding of base metals thinner than 1/8 in [3 mm].

Single copy price: \$86.00

Obtain an electronic copy from: jrosario@aws.org

Order from: Jennifer Rosario; jrosario@aws.org

Send comments (with optional copy to psa@ansi.org) to: Jennifer Rosario; jrosario@aws.org

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 p: (800) 443-9353 308 w: www.aws.org

New Standard

BSR/AWS D11.2/D11.2M-202x, Guide for Welding Iron Castings (new standard)

This standard presents briefly the history and metallurgy of cast iron and the welding processes applicable to it. A newly developed weldability test is described in detail and instructions given for its application in specific cases. Provision is made for qualification of welding procedures and welders when necessary; quality control practice is also included.

Single copy price: \$56.00

Obtain an electronic copy from: jrosario@aws.org

Order from: Jennifer Rosario; jrosario@aws.org

Send comments (with optional copy to psa@ansi.org) to: Jennifer Rosario; jrosario@aws.org

CPLSO

The Marchioness Building, Commercial Road, Bristol BS16TG, UK BS1 6TG p: (078) 796-2989 9

Reaffirmation

BSR/CPLSO-14-2016 (R202x), Crane Insulators (reaffirmation of ANSI/CPLSO-14-2016)

This standard is applicable to crane insulators, not limited to but including, as example, for use by the construction industry including tag-line insulating links, in foundries, and for radio frequency by guy strain insulators. This standard specifies the characteristic mechanical and electrical performance levels required for these insulating devices.

Single copy price: Free

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

Send comments (with optional copy to psa@ansi.org) to: Hugh Pratt; pratt.hugh@cplso.org

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 p: (703) 907-7697 w: www.cta.tech

New Standard

BSR/CTA 709.10-202x, Web Services for Control Networking Protocol Specification (new standard)

This standard will provide a comprehensive communication platform for networked control using web services and supports the IoT model of interoperability with advanced data collection, simplified management, and potential AI application support.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

Order from: Veronica Lancaster; vlancaster@cta.tech

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

Comment Deadline: April 26, 2021

INMM (ASC N15) (Institute of Nuclear Materials Management)

9800 S. Cass Avenue, Argonne, IL 60439 p: (630) 427-7126 w: www.inmm.org

New Standard

BSR N15.28-202x, Standard for Methods of Nuclear Material Control - Guide for Qualification and Certification of Safeguards and Security Personnel (new standard)

This guide explains the use of a systematic approach to training (SAT) for safeguards and security (S&S) personnel. It defines training program terminology, describes job/task/needs analysis, and provides guidelines for designing, developing, implementing, and evaluating a S&S qualification and certification program for personnel performing S&S tasks or functions.

Single copy price: Free

Obtain an electronic copy from: b.srinivasan@science.doe.gov

Send comments (with optional copy to psa@ansi.org) to: Balasubrahmanyam Srinivasan; b.srinivasan@science.doe.gov

NCPDP (National Council for Prescription Drug Programs)

9240 East Raintree Drive, Scottsdale, AZ 85260 p: (480) 296-4584 w: www.ncpdp.org

Revision

BSR/NCPDP Benefit Integration Standard v17-202x, NCPDP Benefit Integration Standard v17 (revision and redesignation of ANSI/NCPDP Benefit Integration Standard v16-2019)

The Benefit Integration Standard Implementation Guide supports the communication of accumulator data in a standard format via transactions that are used to facilitate the delivery and receipt of this information. These transactions provide administrative efficiencies and allow for an industry standard to be used to share accumulator data (such as deductible and out of pocket) between Benefit Partners to administer integrated benefits for a member.

Single copy price: \$200.00 (non-member)

Obtain an electronic copy from: mweiker@ncpdp.org

Send comments (with optional copy to psa@ansi.org) to: Margaret Weiker; mweiker@ncpdp.org

NCPDP (National Council for Prescription Drug Programs)

9240 East Raintree Drive, Scottsdale, AZ 85260 p: (480) 296-4584 w: www.ncpdp.org

Revision

BSR/NCPDP FB v54-202x, NCPDP Formulary and Benefit Standard v54 (revision and redesignation of ANSI/NCPDP FB v53-2019)

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

Single copy price: \$200.00 (non-member)

Obtain an electronic copy from: mweiker@ncpdp.org

Send comments (with optional copy to psa@ansi.org) to: Margaret Weiker; mweiker@ncpdp.org

NCPDP (National Council for Prescription Drug Programs)

9240 East Raintree Drive, Scottsdale, AZ 85260 p: (480) 296-4584 w: www.ncpdp.org

Revision

BSR/NCPDP PA Transfer v26-202x, NCPDP Prior Authorization Transfer Standard v26 (revision and redesignation of ANSI/NCPDP PA Transfer v25-2019)

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

Single copy price: \$200.00 (non-member)

Obtain an electronic copy from: mweiker@ncpdp.org

Send comments (with optional copy to psa@ansi.org) to: Margaret Weiker; mweiker@ncpdp.org

Comment Deadline: April 26, 2021

NCPDP (National Council for Prescription Drug Programs)

9240 East Raintree Drive, Scottsdale, AZ 85260 p: (480) 296-4584 w: www.ncdpd.org

Revision

BSR/NCPDP PDMP Reporting Standard v14-202x, NCPDP Prescription Drug Monitoring Programs (PDMP) Reporting Standard v14 (revision and redesignation of ANSI/NCPDP PDMP Reporting Standard v13-2020)

Report controlled substance and other required drug information to assist healthcare providers to deter prescription drug abuse to ensure access for patients with valid medical needs. This standard assists in allowing for a sustainable approach to eliminate data silos and promote interoperability by allowing actionable and timely information to prescribers and pharmacists using existing workflows to ease adoption, and support patient safety efforts to curb prescription drug abuse.

Single copy price: \$200.00 (non-member)

Obtain an electronic copy from: mweiker@ncdpd.org

Send comments (with optional copy to psa@ansi.org) to: Margaret Weiker; mweiker@ncdpd.org

NCPDP (National Council for Prescription Drug Programs)

9240 East Raintree Drive, Scottsdale, AZ 85260 p: (480) 296-4584 w: www.ncdpd.org

Revision

BSR/NCPDP Post Adj v52-202x, NCPDP Post Adjudication Standard v52 (revision and redesignation of ANSI/NCPDP Post Adj v51-2019)

The goal of this implementation guide is to support the development of a common format for post-adjudicated pharmacy claim data, which is used to meet the needs of the pharmacy industry to support the communication of patient pharmacy transaction data. The implementation of this standard will provide administrative efficiencies and allow for an industry standard to be used for all entities sharing historical health care data.

Single copy price: \$200.00 (non-member)

Obtain an electronic copy from: mweiker@ncdpd.org

Send comments (with optional copy to psa@ansi.org) to: Margaret Weiker; mweiker@ncdpd.org

NCPDP (National Council for Prescription Drug Programs)

9240 East Raintree Drive, Scottsdale, AZ 85260 p: (480) 296-4584 w: www.ncdpd.org

Revision

BSR/NCPDP Prescription Transfer Standard v39-202x, NCPDP Prescription Transfer Standard v39 (revision and redesignation of ANSI/NCPDP Prescription Transfer Standard v38-2019)

The basic function of the Prescription Transfer Standard is to be able to transfer prescription data in a standardized layout. Two layouts, a fixed length and a variable length format, were developed to provide more flexibility in the amount of data that needs to be transferred without making it a requirement in all cases. Both layouts include data elements required for the transfer of prescription data.

Single copy price: \$200.00 (non-member)

Obtain an electronic copy from: mweiker@ncdpd.org

Send comments (with optional copy to psa@ansi.org) to: Margaret Weiker; mweiker@ncdpd.org

NCPDP (National Council for Prescription Drug Programs)

9240 East Raintree Drive, Scottsdale, AZ 85260 p: (480) 296-4584 w: www.ncdpd.org

Revision

BSR/NCPDP RTPB Standard v12-202x, NCPDP Real-Time Prescription Benefit Standard v12 (revision and redesignation of ANSI/NCPDP RTPB Standard v11-2020)

The NCPDP Real-Time Prescription Benefit (RTPB) Standard Implementation Guide is intended to meet the industry need within the pharmacy services sector to facilitate the ability for pharmacy benefit payers/processors to communicate to providers and to ensure a consistent implementation of the standard throughout the industry. The RTPB Standard enables the exchange of patient eligibility, product coverage, and benefit financials for a chosen product and pharmacy, and identifies coverage restrictions, and alternatives when they exist.

Single copy price: \$200.00 (non-member)

Obtain an electronic copy from: mweiker@ncdpd.org

Send comments (with optional copy to psa@ansi.org) to: Margaret Weiker; mweiker@ncdpd.org

Comment Deadline: April 26, 2021

NCPDP (National Council for Prescription Drug Programs)

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Revision

BSR/NCPDP SC WG1100862021xx-202x, NCPDP SCRIPT Standard WG1100862021xx (revision and redesignation of ANSI/NCPDP SC Standard v2021011-2020)

The SCRIPT Standard provides general guidelines for developers of pharmacy or physician management systems who wish to provide prescription transmission functionality to their clients. The standard addresses the electronic transmission of new prescriptions, prescription refill requests, prescription fill status notifications, and cancellation notifications.

Single copy price: \$200.00 (non-member)

Obtain an electronic copy from: mweiker@ncpdp.org

Send comments (with optional copy to psa@ansi.org) to: Margaret Weiker; mweiker@ncpdp.org

NCPDP (National Council for Prescription Drug Programs)

9240 East Raintree Drive, Scottsdale, AZ 85260 p: (480) 296-4584 w: www.ncpdp.org

Revision

BSR/NCPDP Specialized Standard WG1100862021xx-202x, NCPDP Specialized Standard WG1100862021xx (revision and redesignation of ANSI/NCPDP Specialized Standard v2021011-2020)

The NCPDP Specialized Standard will house transactions that are not e-prescribing but are part of the NCPDP XML environment. The standard provides general guidelines for developers of systems who wish to provide business functionality of these transactions to their clients. The guide describes a set of transactions and the implementation of these transactions.

Single copy price: \$200.00 (non-member)

Obtain an electronic copy from: mweiker@ncpdp.org

Send comments (with optional copy to psa@ansi.org) to: Margaret Weiker; mweiker@ncpdp.org

NCPDP (National Council for Prescription Drug Programs)

9240 East Raintree Drive, Scottsdale, AZ 85260 p: (480) 296-4584 w: www.ncpdp.org

Revision

BSR/NCPDP Specialty Pharmacy Reporting v14-202x, NCPDP Specialty Pharmacy Data Reporting Standard v14 (revision and redesignation of ANSI/NCPDP Specialty Pharmacy Reporting v13-2019)

The Specialty Pharmacy Data Reporting Standard provides a uniform format for the submission of specialty pharmacy data to manufacturers which is needed to support related operations and validate contractual obligations. The implementation of this standard will increase administrative efficiencies and eliminate the need for pharmacies to create internal mapping processes to standardize unique data formats from each manufacturer.

Single copy price: \$200.00 (non-member)

Obtain an electronic copy from: mweiker@ncpdp.org

Send comments (with optional copy to psa@ansi.org) to: Margaret Weiker; mweiker@ncpdp.org

NCPDP (National Council for Prescription Drug Programs)

9240 East Raintree Drive, Scottsdale, AZ 85260 p: (972) 955-1196 w: www.ncpdp.org

Revision

BSR/NCPDP TC vF7-202x, NCPDP Telecommunication Standard Version F7 (revision and redesignation of ANSI/NCPDP TC vF6-2019)

The standard supports the format for electronic communication of pharmacy service-related billing, prior authorization processing, and information reporting between pharmacies and other responsible parties. This standard addresses the data format and content, the transmission protocol and other appropriate telecommunication requirements.

Single copy price: \$200.00 (non-member)

Obtain an electronic copy from: mweiker@ncpdp.org

Send comments (with optional copy to psa@ansi.org) to: Margaret Weiker; mweiker@ncpdp.org

Comment Deadline: April 26, 2021

NCPDP (National Council for Prescription Drug Programs)

9240 East Raintree Drive, Scottsdale, AZ 85260 p: (480) 296-4584 w: www.ncdp.org

Revision

BSR/NCPDP Uniform Healthcare Payer Data Standard v29-202x, NCPDP Uniform Healthcare Payer Data Standard v29 (revision and redesignation of ANSI/NCPDP Uniform Healthcare Payer Data Standard v28-2019)

This implementation guide is to support the development of a common format for pharmacy claim data, which is used to meet the needs of the pharmacy industry to support the reporting requirements of claim data to states or their designees. The implementation of this standard will provide administrative efficiencies and allow for an industry standard to be used for all entities sharing historical health care data.

Single copy price: \$200.00 (non-member)

Obtain an electronic copy from: mweiker@ncdp.org

Send comments (with optional copy to psa@ansi.org) to: Margaret Weiker; mweiker@ncdp.org

NEMA (ASC C12) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 p: (703) 477-9997 w: www.nema.org

Reaffirmation

BSR C12.8-1981 (R202x), Test Blocks and Cabinets for Installation of Self-Contained A Base Watthour Meters (reaffirmation of ANSI C12.8-1981 (R2011))

This standard covers the dimensions and functions of test blocks and cabinets used with self-contained A-base Watthour meters.

Single copy price: \$60.00

Obtain an electronic copy from: www.nema.org

Send comments (with optional copy to psa@ansi.org) to: Paul Orr; orrrpaul@aol.com

NEMA (ASC C12) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 p: (703) 477-9997 w: www.nema.org

Reaffirmation

BSR C12.10-2011 (R202x), Physical Aspects of Watthour Meters - Safety Standard (reaffirmation of ANSI C12.10-2011)

This standard covers the physical aspects of both detachable and bottom-connected watthour meters and associated registers. These include ratings, internal wiring arrangements, pertinent dimensions, markings, and other general specifications. Refer to the latest version of ANSI C12.1 and ANSI C12.20 for performance requirements.

Single copy price: \$240.00

Obtain an electronic copy from: www.nema.org

Send comments (with optional copy to psa@ansi.org) to: Paul Orr; orrrpaul@aol.com

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 p: (571) 426-3226 w: www.nema.org

New Standard

BSR NEMA WC 70/ICEA S-95-658-202x, Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy (new standard)

This standard applies to materials, constructions, and testing of 2000 volts and less thermoplastic and thermoset insulated wires and cables which are used for the transmission and distribution of electrical energy for normal conditions of installation and service, either indoors, outdoors, aerial, underground, or submarine.

Single copy price: \$248.00

Obtain an electronic copy from: Khaled.Masri@nema.org

Order from: Khaled Masri; Khaled.Masri@nema.org

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

Comment Deadline: April 26, 2021

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 p: (571) 426-3226 w: www.nema.org

Revision

BSR ICEA S-120-742-202X, Hybrid Optical Fiber and Power Cable for Use In Limited Power Circuits (revision of ANSI/ICEA S-120-742-2016)

This Standard covers performance requirements for limited power hybrid copper and fiber communications cables intended for use in the buildings, or for short distances external to the building of communications users. The optical fiber is intended for communications use while the copper conductors are intended for limited power applications in accordance with Articles 725 and 800 of the National Electric Code (NEC) ANSI/NFPA 70. Typically, these cables utilize conductor sizes that range from 10 AWG to 20 AWG.

Single copy price: \$122.00

Obtain an electronic copy from: Khaled.Masri@nema.org

Order from: Khaled Masri; Khaled.Masri@nema.org

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

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

NFPA FIRE PROTECTION STANDARDS DOCUMENTATION

The National Fire Protection Association announces the availability of the NFPA First Draft Reports for concurrent review and comment by NFPA and ANSI. These First Draft Reports contain the disposition of public inputs that were received for standards in the Annual 2022 Revision Cycle.

The First Draft Report is located on the document's information page under the next edition tab. The document's specific URL, www.nfpa.org/doc#next (for example, www.nfpa.org/101next), can easily access the document's information page. All Comments on standards in the Annual 2022 Revision Cycle must be submitted by May 11, 2021. The disposition of all comments received from the review of the First Draft Report will be published in the Second Draft Report, and will also be available on the document's information page under the next edition tab.

For more information on the rules and up-to-date information on deadlines for processing NFPA standards, check the NFPA website (<http://www.nfpa.org>) or contact Standards Administration at NFPA. Those who submit comments to NFPA are invited to copy ANSI's Board of Standards Review.

Revision

BSR/NFPA 30B-202x, Code for the Manufacture and Storage of Aerosol Products (revision of ANSI/NFPA 30B-2019)

This code shall apply to the manufacture, storage, and display of aerosol products as defined in this standard. This code shall not apply to the storage and display of containers whose contents are comprised entirely of LP-Gas products. See NFPA 58, Liquefied Petroleum Gas Code. This code shall not apply to post-consumer processing of aerosol containers. This code shall not apply to containers that do not meet the definition of Aerosol Container (see 3.3.2). This code does not apply to products that can be dispensed as aerosolized sprays that are not packaged in aerosol containers as defined in 3.3.2. This code is not applicable to other applications such as industrial spray adhesives that are dispensed from large [18.9 L–475 L (5–125 gal)] pressurized gas cylinders. There is no assurance that the protection specified in this code will be adequate. Containers that contain a product that meets the definitions in 3.3.1 and 3.3.3, but are larger than the limits specified in 3.3.2, shall not be classified as aerosol products, and this code shall not apply to the manufacture, storage, and display of such products.

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NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

Revision

BSR/NFPA 51-202x, Standard for the Design and Installation of Oxygen-Fuel Gas Systems for Welding, Cutting, and Allied Processes (revision of ANSI/NFPA 51-2017)

This standard applies to the following: (1) Design and installation of oxygen–fuel gas welding and cutting systems and allied processes (see 3.3.2), except for systems meeting the criteria in 1.1.5; (2) Utilization of gaseous fuels generated from flammable liquids under pressure where such fuels are used with oxygen; (3) Storage on the site of a welding and cutting system installation of the following: (a) Gases to be used with such systems where more than one cylinder each of oxygen and fuel gas are stored in any single storage area [includes storage of more than one cylinder each in any single storage area even though all such stored cylinders may be intended for use in systems of the kind described in 1.1.5(1)], (b) Calcium carbide; 1.1.2 Unless specifically indicated otherwise, the term “welding and cutting systems” shall be considered to include allied processes in this standard; 1.1.3 Where only a portion of a fuel gas system is to be used for welding, cutting, or allied processes, only that portion of the system need comply with this standard; 1.1.4 Where only a portion of an oxygen system is to be used with fuel gas for welding...

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NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 52-202x, Vehicular Natural Gas Fuel Systems Code (revision of ANSI/NFPA 52-2019)

Natural gas is a flammable gas. It is colorless, tasteless, and nontoxic. It is a light gas, weighing about two-thirds as much as air. As used in the systems covered by this standard, it tends to rise and diffuses rapidly in air when it escapes from the system. Natural gas burns in air with a luminous flame. At atmospheric pressure, the ignition temperature of natural gas–air mixtures has been reported to be as low as 900°F (482°C). The flammable limits of natural gas–air mixtures at atmospheric pressure are about 5 percent to 15 percent by volume natural gas. Natural gas is nontoxic but can cause anoxia (asphyxiation) when it displaces the normal 21 percent oxygen in air in a confined area without adequate ventilation. The concentrations at which flammable or explosive mixtures form are much lower than the concentration at which asphyxiation risk is significant. NFPA 704 rating is as follows: ...

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NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

Revision

BSR/NFPA 55-202x, Compressed Gases and Cryogenic Fluids Code (revision of ANSI/NFPA 55-2020)

1.1.1 Applicability. This code shall apply to the installation, storage, use, and handling of compressed gases and cryogenic fluids in portable and stationary cylinders, containers, equipment, and tanks in all occupancies. 1.1.2 Specific Applications. This code shall not apply to the following: (1) Off-site transportation of materials covered by this code For regulations on the transportation of gases, see 49 CFR 100–185, “Transportation,” and Transportation of Dangerous Goods Regulations; (2) Storage, use, and handling of radioactive gases in accordance with NFPA 801, Standard for Fire Protection for Facilities Handling Radioactive Materials; (3) Use and handling of medical compressed gases at health care facilities in accordance with NFPA 99, Health Care Facilities Code. Bulk compressed gas and cryogenic fluid system installations are intended to be covered by the requirements of this code. Instrumentation and alarms that are attendant to the system and designed to interface with the application in a health care facility are to be retained within the purview of NFPA 99, Health Care Facilities Code; (4) Systems consisting of cylinders of oxygen and cylinders of fuel gas used for welding and cutting in accordance with NFPA 51, Standard for the Design and Installation...

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NFPA (National Fire Protection Association)

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Revision

BSR/NFPA 88A-202x, Standard for Parking Structures (revision of ANSI/NFPA 88a-2019)

This standard shall cover the construction and protection of, as well as the control of hazards in, open and enclosed parking structures. This standard shall not apply to one- and two-family dwellings.

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NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

Revision

BSR/NFPA 301-202x, Code for Safety to Life from Fire on Merchant Vessels (revision of ANSI/NFPA 301-2018)

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

Obtain an electronic copy from: www.nfpa.org/301Next

Send comments (with optional copy to psa@ansi.org) to: www.nfpa.org/301Next

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

Revision

BSR/NFPA 502-202x, Standard for Road Tunnels, Bridges, and Other Limited Access Highways (revision of ANSI/NFPA 502-2020)

This standard provides fire protection and fire life safety requirements for limited access highways, road tunnels, bridges, elevated highways, depressed highways, and roadways that are located beneath air-right structures. 1.1.2 This standard establishes minimum requirements for each of the identified facilities. 1.1.3 This standard does not apply to the following structures: (1) Parking garages; (2) Bus terminals; (3) Truck terminals; and (4) Any other structure in which motor vehicles are stored, repaired, maintained, or parked. 1.1.4 This standard shall be applicable where a structure or an element of a structure, including those specified in 1.1.3(1) through 1.1.3(4), is deemed to be a facility by the authority having jurisdiction. 1.1.4.1 If any element of a structure cited in 1.1.3 is used to allow only the travel of road vehicles as a means of access to or egress from the structure, then it shall be characterized as a facility and treated as such under this standard.

Obtain an electronic copy from: www.nfpa.org/502Next

Send comments (with optional copy to psa@ansi.org) to: www.nfpa.org/502Next

Comment Deadline: April 26, 2021

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

Revision

BSR/NFPA 557-202x, Standard for Determination of Fire Loads for Use in Structural Fire Protection Design (revision of ANSI/NFPA 557-2020)

The scope of this standard is the determination of the fire load and fire load density to be used as the basis for the evaluation and design of the structural fire performance of a building. The determination of a design-basis fire is outside the scope of this standard. This document is not intended to address facilities for storage of hazardous materials. Examples of hazardous materials include combustible dusts, flammable and combustible liquids, flammable solids, oxidizers, and oxidizer-containing waste. Information on such occupancies is contained in NFPA 400, Hazardous Materials Code.

Obtain an electronic copy from: www.nfpa.org/557Next

Send comments (with optional copy to psa@ansi.org) to: www.nfpa.org/557Next

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

Revision

BSR/NFPA 750-202x, Standard on Water Mist Fire Protection Systems (revision of ANSI/NFPA 750-2019)

This standard contains the minimum requirements for the design, installation, maintenance, and testing of water-mist fire protection systems. This standard does not provide definitive fire-performance criteria, nor does it offer specific guidance on how to design a system to control, suppress, or extinguish a fire. Reliance is placed on the procurement and installation of listed water-mist equipment or systems that have demonstrated performance in fire tests as part of a listing process. Other NFPA standards should be referenced for additional requirements relating to underground or lead-in connections to water-mist systems from municipal or private water supplies.

Obtain an electronic copy from: www.nfpa.org/750Next

Send comments (with optional copy to psa@ansi.org) to: www.nfpa.org/750Next

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

Revision

BSR/NFPA 1082-202x, Standard for Facilities Fire and Life Safety Director Professional Qualifications (revision of ANSI/NFPA 1082-2020)

This standard identifies the minimum job performance requirements (JPRs) for Building Fire and Life Safety Directors.

Obtain an electronic copy from: www.nfpa.org/1082Next

Send comments (with optional copy to psa@ansi.org) to: www.nfpa.org/1082Next

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

Revision

BSR/NFPA 1987-202x, Standard on Combination Unit Respirator Systems for Tactical and Technical Operations (revision of ANSI/NFPA 1987-202x)

This standard shall specify the minimum requirements for the design, performance, testing, and certification of new combination unit respirator (CUR) systems and for the replacement parts, components, and accessories for such respirators.

Obtain an electronic copy from: www.nfpa.org/1987Next

Send comments (with optional copy to psa@ansi.org) to: www.nfpa.org/1987Next

Comment Deadline: April 26, 2021

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 p: (617) 984-7248 w: www.nfpa.org

Revision

BSR/NFPA 2112-202x, Standard on Flame-Resistant Clothing for Protection of Industrial Personnel against Short-Duration Thermal Exposures from Fire (revision of ANSI/NFPA 2112-2018)

The standard shall specify the minimum performance requirements and test methods for flame-resistant fabrics and components and the design and certification requirements for garments for use in areas at risk from flash fires.

Obtain an electronic copy from: www.nfpa.org/2112Next

Send comments (with optional copy to psa@ansi.org) to: www.nfpa.org/2112Next

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 p: (800) 542-5040 w: www.scte.org

Revision

BSR/SCTE 134-202x, Fusion Splicing Equipment and Applications for the Cable/Broadband Industry (revision of ANSI/SCTE 134-2012)

This standard defines the equipment, methods, and practices used within the cable/broadband industry to obtain consistent low-loss fusion-splice connections between optical fibers.

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 (with optional copy to psa@ansi.org) to: admin@standards.scte.org

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 p: (919) 549-1097 w: <https://ul.org/>

Revision

BSR/UL 153-202x, Standard for Safety for Portable Electric Luminaires (revision of ANSI/UL 153-2020)

(1) Battery cells; (2) PoE definition; (3) Excluding hygroscopic (water absorbing) materials from enclosures and decorative parts; (4) Single (one) power supply cord permitted; (5) Grounding of surface-mounted portable luminaires; (6) Hand light abnormal tests; (7) Lamp replacement marking for LED portable luminaires; (8) Lamp replacement marking for double-envelope tungsten halogen; (9) Lamp replacement marking for multiple identical lamps; and (10) Flag, tag, and wrap-around marking labels.

Single copy price: Free

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

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

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

Comment Deadline: May 11, 2021

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 p: (212) 591-8489 w: www.asme.org

Reaffirmation

Reaffirmations and withdrawals available electronically may be accessed at: webstore.ansi.org

BSR/ASME B1.7-2006 (R202x), Screw Threads: Nomenclature, Definitions, and Letter Symbols (reaffirmation of ANSI/ASME B1.7-2006 (R2016))

The purpose of this Standard is to establish a uniform practice for standard screw threads with regard to the following: (a) screw thread nomenclature and (b) letter symbols for the designating features of a screw thread for use on drawings, in tables that set forth dimensional standards, in other records, and for expressing mathematical relationship.

Single copy price: \$39.00

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

Send comments (with optional copy to psa@ansi.org) to: Daniel Papert; papertd@asme.org

Comment Deadline: May 11, 2021

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 p: (212) 591-8489 w: www.asme.org

Reaffirmation

Reaffirmations and withdrawals available electronically may be accessed at: webstore.ansi.org

BSR/ASME B1.8-1988 (R202x), Stub Acme Screw Threads (reaffirmation of ANSI/ASME B1.8-1988 (R2016))

This Standard specifies the thread form, allowance, tolerance, designation, and gaging for Stub ACME threads. Stub ACME threads are used in those applications where a coarse-pitch thread of shallow depth is required due to mechanical or metallurgical considerations.

Single copy price: \$37.00

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

Send comments (with optional copy to psa@ansi.org) to: Daniel Papert; papertd@asme.org

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 p: (212) 591-8489 w: www.asme.org

Reaffirmation

Reaffirmations and withdrawals available electronically may be accessed at: webstore.ansi.org

BSR/ASME MFC-7-2016 (R202x), Measurement of Gas Flow by Means of Critical Flow Venturi Nozzles (reaffirmation of ANSI/ASME MFC-7-2016)

This Standard applies only to the steady flow of single-phase gases through critical flow venturis (CFV) of shapes specified in this standard [also sometimes referred to as critical flow nozzles (CFN), sonic nozzles, or critical flow venturi nozzles]. This Standard applies to CFVs with diverging sections on the downstream side of the throat. When a CFN (no diverging section) is discussed, it is explicitly noted. This Standard specifies the method of use (installation and operating conditions) of CFVs. This Standard also gives information necessary for calculating the mass flow of the gas and its associated uncertainty. This Standard applies only to CFVs and CFNs in which the flow is critical. Critical flow exists when the mass flow through the CFV is the maximum possible for the existing upstream conditions. At critical flow or choked conditions, the average gas velocity at the CFV throat closely approximates the local sonic velocity. This Standard specifically applies to cases in which (a) it can be assumed that there is a large volume upstream of the CFV or upstream of a set of CFVs mounted in a parallel flow arrangement (in a common plenum), thereby achieving higher flow; or (b) the pipeline upstream of the CFV is of circular cross-section with throat-to-pipe diameter ratio equal to or less than 0.25 inches.

Single copy price: \$65.00

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

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

Send comments (with optional copy to psa@ansi.org) to: Michelle Pagano; paganom@asme.org

Comment Deadline: May 11, 2021

UL (Underwriters Laboratories)

171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada p: (613) 368-4417 61017 w: <https://ul.org/>

Revision

Reaffirmations and withdrawals available electronically may be accessed at: webstore.ansi.org

BSR/UL 132-202x, Standard for Safety for Relief Valves for Anhydrous Ammonia and LP-Gas (revision of ANSI/UL 132-2020)

This Standard sets forth minimum requirements for safety valves, categorized as pressure-relief valves, safety relief valves, and hydrostatic relief valves for anhydrous ammonia and liquefied petroleum gas (LP-Gas) for use on tanks built in accordance with ASME Pressure Vessel Code, Section VIII, Division 1, or the Boiler, pressure vessel, and pressure piping code, CSA B51, in nonrefrigerated systems in facilities covered by the following standards:

(a) In the United States:

- (1) Requirements for the Storage and Handling of Anhydrous Ammonia, (ANSI K61.1), ANSI/CGA G-2.1;
- (2) Liquefied Petroleum Gas Code, NFPA 58; and
- (3) Utility LP-Gas Plant Code, NFPA 59.

(b) In Canada:

- (1) Natural gas and propane installation code, CSA B149.1; and
- (2) Provincial or other Regulations.

These requirements do not apply to relief valves for use on cylinders constructed in accordance with Department of Transportation (DOT) specifications or to safety valves for use on tanks constructed in accordance with Canadian Transport Commission (CTC) Specifications. The suitability of an accessory in combination with a relief valve shall be judged under the applicable requirements of this standard and the Utility LP-Gas Plant Code, NFPA 59.

Single copy price: Free

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

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

Send comments (with optional copy to 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)

171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada p: (613) 368-4417 61017 w: <https://ul.org/>

Revision

Reaffirmations and withdrawals available electronically may be accessed at: webstore.ansi.org

BSR/UL 1389-202x, Standard for Safety for Plant Oil Extraction Equipment for Installation and Use in Ordinary (Unclassified) Locations and Hazardous (Classified) Locations (revision of ANSI/UL 1389-2020)

This Standard covers commercial and industrial plant oil extraction equipment for installation and use indoors in an ordinary (unclassified) locations and hazardous (classified) locations. Based on the application, installation is in accordance with the manufacturer's installation instructions, together with the following, as applicable: (a) CSA C22.1, Canadian Electrical Code, Part 1 (CE Code); ULC-S4400, Premises, Buildings and Equipment Utilized for the Cultivation, Processing and Production of Cannabis; National Fire Code of Canada (NFC); and CSA B149.1, Natural Gas and Propane Installation Code; and (b) NFPA 70, National Electrical Code (NEC); International Fire Code (IFC); NFPA 1, Fire Code; NFPA 55, Compressed Gases and Cryogenic Fluids Code; and NFPA 58, Liquefied Petroleum Gas Code. Plant oil extraction equipment includes: (a) Preparatory equipment, for preparing the plant material for extraction of the oil, such as trimming, deseeding, and drying/curing; (b) Extractors, for removing the oil from the plant material by the use of i butane, iethanol, n-hexane, liquefied petroleum gas (LPG), ipentane or propane (flammable solvents) and Carbon Dioxide (CO2) (non-flammable solvent); (c) Extraction booths or pods, for enclosing/protecting plant oil extraction equipment; and (d) Post-processing equipment, for finalizing the plant oil extraction process such as vacuum ovens, rotary evaporators, and solvent recovery pumps.

Single copy price: Free

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

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

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

Project Withdrawn

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

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

BSR/ASTM E2886-202x, Test Method for Evaluating the Ability of Exterior Vents to Resist the Entry of Embers and Direct Flame Impingement (new standard)

Inquiries may be directed to Laura Klineburger; accreditation@astm.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.

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 p: (610) 832-9744 w: www.astm.org

Reaffirmation

ANSI/ASTM F2609-2011 (R2021), Test Method for Litter-Cleaning Effectiveness of Vacuum Cleaners (reaffirmation of ANSI/ASTM F2609-2011 (R2015)) Final Action Date: 2/23/2021

Revision

ANSI/ASTM D2774-2021, Practice for Underground Installation of Thermoplastic Pressure Piping (revision of ANSI/ASTM D2774-2020) Final Action Date: 3/1/2021

Revision

ANSI/ASTM E84-2021, Test Method for Surface Burning Characteristics of Building Materials (revision of ANSI/ASTM E84-2020) Final Action Date: 3/1/2021

Revision

ANSI/ASTM F431-2021, Specification for Air Performance Measurement Plenum Chamber for Vacuum Cleaners (revision of ANSI/ASTM F431-2004 (R2013)) Final Action Date: 2/23/2021

Revision

ANSI/ASTM F558-2021, Test Method for Measuring Air Performance Characteristics of Vacuum Cleaners (revision of ANSI/ASTM F558-2018) Final Action Date: 2/23/2021

Revision

ANSI/ASTM F714-2021, Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Outside Diameter (revision of ANSI/ASTM F714-2013 (R2019)) Final Action Date: 2/23/2021

Revision

ANSI/ASTM F820-2021, Test Method for Measuring Air Performance Characteristics of Central Vacuum Cleaning Systems (revision of ANSI/ASTM F820-2018) Final Action Date: 2/23/2021

Revision

ANSI/ASTM F2105-2021, Test Method for Measuring Air Performance Characteristics of Vacuum Cleaner Motor/Fan Systems (revision of ANSI/ASTM F2105-2018) Final Action Date: 2/23/2021

Revision

ANSI/ASTM F3101-2021, Specification for Unsupervised Public Use Outdoor Fitness Equipment (revision of ANSI/ASTM F3101-2015) Final Action Date: 3/1/2021

Revision

ANSI/ASTM F3104-2021, Test Methods for Evaluating Design and Performance Characteristics of Externally Loaded Strength Training Equipment, Strength Training Benches and External Weight Storage Equipment (revision of ANSI/ASTM F3104-2014) Final Action Date: 3/1/2021

Revision

ANSI/ASTM F3431-2021, Specification for Determining Flammability of Materials for Recreational Camping Tents and Warning Labels for Associated Hazards (revision of ANSI/ASTM F3431-2020) Final Action Date: 2/23/2021

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 p: (305) 443-9353 310 w: www.aws.org

Revision

ANSI/AWS C6.2/C6.2M-2021, Specification for Rotary Friction Welding (revision of ANSI/AWS C6.2/C6.2M-2006) Final Action Date: 3/4/2021

NEMA (ASC C12) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 p: (703) 477-9997 w: www.nema.org

New Standard

ANSI C12.32-2021, Electricity Meters for the Measurement of DC Energy (new standard) Final Action Date: 3/4/2021

NEMA (ASC C137) (National Electrical Manufacturers Association)

1300 N 17th Street, Suite 900, Rosslyn, VA 22209 p: (703) 841-3262 w: www.nema.org

New Standard

ANSI/C137.5-2021, Energy Reporting Requirements for Lighting Devices (new standard) Final Action Date: 3/4/2021

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 p: (571) 426-3226 w: www.nema.org

Revision

ANSI/NEMA HP 3-2021, Insulated High Temperature Hook-Up Wire; Types ET (250 Volts), E (600 Volts), and EE (1000 Volts) (revision of ANSI/NEMA HP 3-2011) Final Action Date: 3/2/2021

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-5643 w: www.nsf.org

Revision

ANSI/NSF 55-2021 (i53r1), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2019) Final Action Date: 3/2/2021

Revision

ANSI/NSF 170-2021 (i28r4), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2019) Final Action Date: 3/2/2021

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 p: (510) 319-4259 w: <https://ul.org/>

Revision

ANSI/UL 79-2021, Standard for Safety for Power-Operated Pumps for Petroleum Dispensing Products (revision of ANSI/UL 79-2020) Final Action Date: 3/3/2021

Revision

ANSI/UL 62841-4-1000-2021, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 4-1000: Particular Requirements for Utility Machines (revision of ANSI/UL 62841-4-1000-2020) Final Action Date: 3/1/2021

Call for Members (ANS Consensus Bodies)

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

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 p: (410) 990-4460 w: www.abycinc.org

Sara Moulton; smoulton@abycinc.org

BSR/ABYC C-1-202x, Primer Bulbs (revision of ANSI/ABYC C-1-2016)

New consensus body members sought in the following categories: manufacturer - boats, trade associations, insurance/survey, specialist service, government, consumer/general interest.

BSR/ABYC C-2-202x, Carbon Canisters for Marine Applications (revision of ANSI/ABYC C-2-2016)

New consensus body members sought in the following categories: manufacturer - boats, trade associations, insurance/survey, specialist service, government, consumer/general interest.

BSR/ABYC H-2-202x, Ventilation of Boats Using Gasoline (revision of ANSI/ABYC H-2-2013)

New consensus body members sought in the following categories: manufacturer - boats, trade associations, insurance/survey, specialist service, government, consumer/general interest.

BSR/ABYC H-25-202x, Portable and Semi-Portable Marine Gasoline Fuel Systems (revision of ANSI/ABYC H-25-2016)

New consensus body members sought in the following categories: manufacturer - boats, trade associations, insurance/survey, specialist service, government, consumer/general interest.

ASA (ASC S12) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 p: (516) 576-2341 w: www.acousticalsociety.org

Nancy Blair-DeLeon; standards@acousticalsociety.org

BSR/ASA S12.55-202x/Amd.1-202x/ISO 3745-202x/Amd 1-202x, Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Precision methods for anechoic rooms and hemi-anechoic rooms - Amendment 1 (identical national adoption of ISO 3745:2012/Amd 1:2017)

BSR/ASA S12.79-202x/ISO 26101-202x, Acoustics - Test methods for the qualification of free-field environments (identical national adoption of ISO 26101:2017)

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 p: (269) 757-1213 w: <https://www.asabe.org/>

Jean Walsh; walsh@asabe.org

BSR/ASABE S660 MONYEAR-202x, Procedure for Evaluating the Distribution Uniformity for Large Granular Broadcast Applicators (new standard)

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 p: (212) 591-8489 w: www.asme.org

Terrell Henry; ansibox@asme.org

BSR/ASME DVR-1-202x, Data Validation and Reconciliation - Concepts, Methods, and Applications (new standard)

BSR/ASME MFC-7-2016 (R202x), Measurement of Gas Flow by Means of Critical Flow Venturi Nozzles (reaffirmation of ANSI/ASME MFC-7-2016)

ASSP (ASC A10) (American Society of Safety Professionals)

520 N. Northwest Highway, Park Ridge, IL 60068 p: (847) 768-3411 w: www.assp.org
Tim Fisher; TFisher@ASSP.org

BSR/ASSP A10.42-202X, Safety Requirements for Rigging Qualifications & Responsibilities (revision and redesignation of ANSI/ASSE A10.42-2000 (R2017))

CSA (CSA America Standards Inc.)

8501 E. Pleasant Valley Road, Cleveland, OH 44131 p: (216) 524-4990 w: www.csagroup.org
David Zimmerman; ansi.contact@csagroup.org

BSR/CSA C22.2 No. 350-202x, Test method for safety and performance of thermal barriers for use in batteries and battery-based energy storage systems (new standard)

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA 22202 p: (703) 907-7697 w: www.cta.tech
Veronica Lancaster; vlancaster@cta.tech

BSR/CTA 709.10-202x, Web Services for Control Networking Protocol Specification (new standard)

BSR/CTA 2107-202x, The Use of Artificial Intelligence in Health Care: Data Governance/Stewardship (new standard)

CTA is seeking new members to join the consensus body to participate in the effort to create CTA -2107. CTA and the R13 Artificial Intelligence Committee are particularly interested in adding new members (called "users" who acquire AI from those who create them) as well as those with a general interest.

IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005 p: (917) 913-0027 w: www.ies.org
Patricia McGillicuddy; pmcgillicuddy@ies.org

BSR/IES RP-44-202x, Recommended Practice: Ultraviolet Germicidal Irradiation (UVGI) (new standard)

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org
Deborah Spittle; comments@standards.incits.org

INCITS/ISO/IEC 13818-1:2019/AM1:2020 [202x], Information technology - Generic coding of moving pictures and associated audio information - Part 1: Systems - Amendment 1: Carriage of JPEG XS in MPEG-2 TS (identical national adoption of ISO/IEC 13818-1:2019/AM1:2020)

INCITS/ISO/IEC 13818-1:2019/COR1:2020 [202x], Information technology - Generic coding of moving pictures and associated audio information - Part 1: Systems - Technical Corrigendum 1 (identical national adoption of ISO/IEC 13818-1:2019/COR1:2020)

INCITS/ISO/IEC 14496-3:2019 [202x], Information technology - Coding of audio-visual objects - Part 3: Audio (identical national adoption of ISO/IEC 14496-3:2019 and revision of INCITS/ISO/IEC 14496-3:2009 [R2017])

INCITS/ISO/IEC 14496-10:2020 [202x], Information technology - Coding of audio-visual objects - Part 10: Advanced video coding (identical national adoption of ISO/IEC 14496-10:2020 and revision of INCITS/ISO/IEC 14496-10:2014 [R2020])

INCITS/ISO/IEC 14496-12:2020 [202x], Information technology - Coding of audio-visual objects - Part 12: ISO base media file format (identical national adoption of ISO/IEC 14496-12:2020 and revision of INCITS/ISO/IEC 14496-12:2015 [2019])

ITI (INCITS) (InterNational Committee for Information Technology Standards)700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

INCITS/ISO/IEC 14496-14:2020 [202x], Information technology - Coding of audio-visual objects - Part 14: MP4 file format (identical national adoption of ISO/IEC 14496-14:2020 and revision of INCITS/ISO/IEC 14496-14:2003 [R2018])

INCITS/ISO/IEC 14496-15:2019 [202x], Information technology - Coding of audio-visual objects - Part 15: Carriage of network abstraction layer (NAL) unit structured video in the ISO base media file format (identical national adoption of ISO/IEC 14496-15:2019 and revision of INCITS/ISO/IEC 14496-15:2017 [2019])

INCITS/ISO/IEC 14496-26:2010 [202x], Information technology - Coding of audio-visual objects - Part 26: Audio conformance (identical national adoption of ISO/IEC 14496-26:2010)

INCITS/ISO/IEC 14496-30:2018 [202x], Information technology - Coding of audio-visual objects - Part 30: Timed text and other visual overlays in ISO base media file format (identical national adoption of ISO/IEC 14496-30:2018)

INCITS/ISO/IEC 14496-33:2019 [202x], Information technology - Coding of audio-visual objects - Part 33: Internet video coding (identical national adoption of ISO/IEC 14496-33:2019)

INCITS/ISO/IEC 14496-15:2019/AM1:2020 [202x], Information technology - Coding of audio-visual objects - Part 15: Carriage of network abstraction layer (NAL) unit structured video in the ISO base media file format - Amendment 1: Improved support for tiling and layering (identical national adoption of ISO/IEC 14496-15:2019/AM1:2020)

INCITS/ISO/IEC 14496-16:2011/AM4:2017 [202x], Information technology - Coding of audio-visual objects - Part 16: Animation Framework eXtension (AFX) - Amendment 4: Pattern-based 3D mesh coding (PB3DMC) (identical national adoption of ISO/IEC 14496-16:2011/AM4:2017)

INCITS/ISO/IEC 14496-22:2019/AM1:2020 [202x], Information technology - Coding of audio-visual objects - Part 22: Open Font Format - Amendment 1: Color font technology and other updates (identical national adoption of ISO/IEC 14496-22:2019/AM1:2020)

INCITS/ISO/IEC 14496-26:2010/AM5:2018 [202x], Information technology - Coding of audio-visual objects - Part 26: Audio conformance - Amendment 5: Conformance for new levels of ALS simple profile, SBR enhancements (identical national adoption of ISO/IEC 14496-26:2010/AM5:2018)

INCITS/ISO/IEC 14496-4:2004/AM46:2019 [202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 46: Conformance testing for internet video coding (identical national adoption of ISO/IEC 14496-4:2004/AM46:2019)

INCITS/ISO/IEC 14496-5:2001/AM24:2009 [202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 24: Reference software for AAC-ELD (identical national adoption of ISO/IEC 14496-5:2001/AM24:2009)

INCITS/ISO/IEC 14496-5:2001/AM40:2019 [202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 40: Printing material and 3D graphics coding for browsers reference software (identical national adoption of ISO/IEC 14496-5:2001/AM40:2019)

INCITS/ISO/IEC 14496-5:2001/AM41:2019 [202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 41: Reference software for internet video coding (identical national adoption of ISO/IEC 14496-5:2001/AM41:2019)

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INCITS/ISO/IEC 14496-5:2001/AM42:2017 [202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 42: Reference software for the alternative depth information SEI message extension of AVC (identical national adoption of ISO/IEC 14496-5:2001/AM42:2017)

INCITS/ISO/IEC 14496-5:2001/AM43:2018 [202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 43: New levels of ALS simple profile, SBR enhancements (identical national adoption of ISO/IEC 14496-5:2001/AM43:2018)

INCITS/ISO/IEC 14496-5:2001/AM24:2009/COR3:2017 [202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 24: Reference software for AAC-ELD - Technical Corrigendum 3 (identical national adoption of ISO/IEC 14496-5:2001/AM24:2009/COR3:2017)

INCITS/ISO/IEC 15444-15:2019 [202x], Information technology - JPEG 2000 image coding system - Part 15: High-Throughput JPEG 2000 (identical national adoption of ISO/IEC 15444-15:2019)

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

INCITS/ISO/IEC 15938-6:2020 [202x], Information technology - Multimedia content description interface - Part 6: Reference software (identical national adoption of ISO/IEC 15938-6:2020 and revision of INCITS/ISO/IEC 15938-6:2003 [R2018])

INCITS/ISO/IEC 15938-6:2003/AM1:2006 [R2019]

INCITS/ISO/IEC 15938-6:2003/AM2:2007 [R2019]

INCITS/ISO/IEC 15938-15:2019 [202x], Information technology - Multimedia content description interface - Part 15: Compact descriptors for video analysis (identical national adoption of ISO/IEC 15938-15:2019)

INCITS/ISO/IEC 18477-1:2020 [202x], Information technology - Scalable compression and coding of continuous-tone still images - Part 1: Core coding system specification (identical national adoption of ISO/IEC 18477-1:2020)

INCITS/ISO/IEC 18477-4:2017 [202x], Information technology - Scalable compression and coding of continuous-tone still images - Part 4: Conformance testing (identical national adoption of ISO/IEC 18477-4:2017)

INCITS/ISO/IEC 18477-5:2018 [202x], Information technology - Scalable compression and coding of continuous-tone still images - Part 5: Reference software (identical national adoption of ISO/IEC 18477-5:2018)

INCITS/ISO/IEC 18477-7:2017 [202x], Information technology - Scalable compression and coding of continuous-tone still images - Part 7: HDR Floating-Point Coding (identical national adoption of ISO/IEC 18477-7:2017)

INCITS/ISO/IEC 18477-8:2020 [202x], Information technology - Scalable compression and coding of continuous-tone still images - Part 8: Lossless and near-lossless coding (identical national adoption of ISO/IEC 18477-8:2020)

INCITS/ISO/IEC 19566-4:2020 [202x], Information technologies - JPEG systems - Part 4: Privacy and security (identical national adoption of ISO/IEC 19566-4:2020)

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INCITS/ISO/IEC 19566-5:2019 [202x], Information technologies - JPEG systems - Part 5: JPEG universal metadata box format (JUMBF) (identical national adoption of ISO/IEC 19566-5:2019)

INCITS/ISO/IEC 19566-6:2019 [202x], Information technologies - JPEG systems - Part 6: JPEG 360 (identical national adoption of ISO/IEC 19566-6:2019)

INCITS/ISO/IEC 21000-19:2010 [202x], Information technology - Multimedia framework (MPEG-21) - Part 19: Media Value Chain Ontology (identical national adoption of ISO/IEC 21000-19:2010)

INCITS/ISO/IEC 21000-21:2017 [202x], Information technology - Multimedia framework (MPEG-21) - Part 21: Media contract ontology (identical national adoption of ISO/IEC 21000-21:2017)

INCITS/ISO/IEC 21000-8:2008/AM4:2018 [202x], Information technology - Multimedia framework (MPEG-21) - Part 8: Reference software - Amendment 4: Media value chain ontology extensions on time-segments and multi-track audio (identical national adoption of ISO/IEC 21000-8:2008/AM4:2018)

INCITS/ISO/IEC 21000-19:2010/AM1:2018 [202x], Information technology - Multimedia framework (MPEG-21) - Part 19: Media Value Chain Ontology - Amendment 1: Extensions on time-segments and multi-track audio (identical national adoption of ISO/IEC 21000-19:2010/AM1:2018)

INCITS/ISO/IEC 21122-4:2020 [202x], Information technology - JPEG XS low-latency lightweight image coding system - Part 4: Conformance testing (identical national adoption of ISO/IEC 21122-4:2020)

INCITS/ISO/IEC 21122-5:2020 [202x], Information technology - JPEG XS low-latency lightweight image coding system - Part 5: Reference software (identical national adoption of ISO/IEC 21122-5:2020)

INCITS/ISO/IEC 21794-1:2020 [202x], Information technology - Plenoptic image coding system (JPEG Pleno) - Part 1: Framework (identical national adoption of ISO/IEC 21794-1:2020)

INCITS/ISO/IEC 23000-13:2017 [202x], Information technology - Multimedia application format (MPEG-A) - Part 13: Augmented reality application format (identical national adoption of ISO/IEC 23000-13:2017)

INCITS/ISO/IEC 23000-15:2016 [202x], Information technology - Multimedia application format (MPEG-A) - Part 15: Multimedia preservation application format (identical national adoption of ISO/IEC 23000-15:2016)

INCITS/ISO/IEC 23000-16:2018 [202x], Information technology - Multimedia application format (MPEG-A) - Part 16: Publish/Subscribe Application Format (identical national adoption of ISO/IEC 23000-16:2018)

INCITS/ISO/IEC 23000-17:2018 [202x], Information technology - Multimedia application format (MPEG-A) - Part 17: Multiple sensorial media application format (identical national adoption of ISO/IEC 23000-17:2018)

INCITS/ISO/IEC 23000-18:2018 [202x], Information technology - Multimedia application formats (MPEG-A) - Part 18: Media linking application format (identical national adoption of ISO/IEC 23000-18:2018)

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

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INCITS/ISO/IEC 23000-21:2019 [202x], Information technology - Multimedia application format (MPEG-A) - Part 21: Visual identity management application format (identical national adoption of ISO/IEC 23000-21:2019)

INCITS/ISO/IEC 23000-22:2019 [202x], Information technology - Multimedia application format (MPEG-A) - Part 22: Multi-image application format (MIAF) (identical national adoption of ISO/IEC 23000-22:2019)

INCITS/ISO/IEC 23000-15:2016/AM1:2017 [202x], Information technology - Multimedia application format (MPEG-A) - Part 15: Multimedia preservation application format - Amendment 1: Implementation guidelines for MP-AF (identical national adoption of ISO/IEC 23000-15:2016/AM1:2017)

INCITS/ISO/IEC 23001-4:2017 [202x], Information technology - MPEG systems technologies - Part 4: Codec configuration representation (identical national adoption of ISO/IEC 23001-4:2017)

INCITS/ISO/IEC 23001-7:2016 [202x], Information technology - MPEG systems technologies - Part 7: Common encryption in ISO base media file format files (identical national adoption of ISO/IEC 23001-7:2016)

INCITS/ISO/IEC 23001-10:2020 [202x], Information technology - MPEG systems technologies - Part 10: Carriage of timed metadata metrics of media in ISO base media file format (identical national adoption of ISO/IEC 23001-10:2020)

INCITS/ISO/IEC 23001-11:2019 [202x], Information technology - MPEG systems technologies - Part 11: Energy-efficient media consumption (green metadata) (identical national adoption of ISO/IEC 23001-11:2019)

INCITS/ISO/IEC 23001-12:2018 [202x], Information technology - MPEG systems technologies - Part 12: Sample variants (identical national adoption of ISO/IEC 23001-12:2018)

INCITS/ISO/IEC 23001-13:2019 [202x], Information technology - MPEG systems technologies - Part 13: Media orchestration (identical national adoption of ISO/IEC 23001-13:2019)

INCITS/ISO/IEC 23001-14:2019 [202x], Information technology - MPEG systems technologies - Part 14: Partial file format (identical national adoption of ISO/IEC 23001-14:2019)

INCITS/ISO/IEC 23001-7:2016/AM1:2019 [202x], Information technology - MPEG systems technologies - Part 7: Common encryption in ISO base media file format files - Amendment 1: AES-CBC-128 and key rotation (identical national adoption of ISO/IEC 23001-7:2016/AM1:2019)

INCITS/ISO/IEC 23002-4:2018 [202x], Information technology - MPEG video technologies - Part 4: Video tool library (identical national adoption of ISO/IEC 23002-4:2018)

INCITS/ISO/IEC 23002-5:2017 [202x], Information technology - MPEG video technologies - Part 5: Reconfigurable media coding conformance and reference software (identical national adoption of ISO/IEC 23002-5:2017)

INCITS/ISO/IEC 23003-2:2018 [202x], Information technology - MPEG audio technologies - Part 2: Spatial Audio Object Coding (SAOC) (identical national adoption of ISO/IEC 23003-2:2018)

INCITS/ISO/IEC 23003-3:2020 [202x], Information technology - MPEG audio technologies - Part 3: Unified speech and audio coding (identical national adoption of ISO/IEC 23003-3:2020)

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INCITS/ISO/IEC 23003-5:2020 [202x], Information technology - MPEG audio technologies - Part 5: Uncompressed audio in MPEG-4 file format (identical national adoption of ISO/IEC 23003-5:2020)

INCITS/ISO/IEC 23003-1:2017/AM4:2017 [202x], Information technology - MPEG audio technologies - Part 1: MPEG Surround - Amendment 4: Reference software for MPEG surround extension for 3D audio (identical national adoption of ISO/IEC 23003-1:2017/AM4:2017)

INCITS/ISO/IEC 23005-1:2020 [202x], Information technology - Media context and control - Part 1: Architecture (identical national adoption of ISO/IEC 23005-1:2020)

INCITS/ISO/IEC 23005-2:2018 [202x], Information technology - Media context and control - Part 2: Control information (identical national adoption of ISO/IEC 23005-2:2018)

INCITS/ISO/IEC 23005-3:2019 [202x], Information technology - Media context and control - Part 3: Sensory information (identical national adoption of ISO/IEC 23005-3:2019)

INCITS/ISO/IEC 23005-4:2018 [202x], Information technology - Media context and control - Part 4: Virtual world object characteristics (identical national adoption of ISO/IEC 23005-4:2018)

INCITS/ISO/IEC 23005-5:2019 [202x], Information technology - Media context and control - Part 5: Data formats for interaction devices (identical national adoption of ISO/IEC 23005-5:2019)

INCITS/ISO/IEC 23005-6:2019 [202x], Information technology - Media context and control - Part 6: Common types and tools (identical national adoption of ISO/IEC 23005-6:2019)

INCITS/ISO/IEC 23005-7:2019 [202x], Information technology - Media context and control - Part 7: Conformance and reference software (identical national adoption of ISO/IEC 23005-7:2019)

INCITS/ISO/IEC 23006-1:2018 [202x], Information technology - Multimedia service platform technologies - Part 1: Architecture (identical national adoption of ISO/IEC 23006-1:2018)

INCITS/ISO/IEC 23008-1:2017 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 1: MPEG media transport (MMT) (identical national adoption of ISO/IEC 23008-1:2017)

INCITS/ISO/IEC 23008-2:2020 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 2: High efficiency video coding (identical national adoption of ISO/IEC 23008-2:2020)

INCITS/ISO/IEC 23008-3:2019 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 3: 3D audio (identical national adoption of ISO/IEC 23008-3:2019)

INCITS/ISO/IEC 23008-4:2020 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 4: MMT reference software (identical national adoption of ISO/IEC 23008-4:2020)

INCITS/ISO/IEC 23008-5:2017 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 5: Reference software for high efficiency video coding (identical national adoption of ISO/IEC 23008-5:2017)

INCITS/ISO/IEC 23008-6:2020 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 6: 3D audio reference software (identical national adoption of ISO/IEC 23008-6:2020)

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INCITS/ISO/IEC 23008-8:2018 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 8: Conformance specification for HEVC (identical national adoption of ISO/IEC 23008-8:2018)

INCITS/ISO/IEC 23008-11:2015 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 11: MPEG media transport composition information (identical national adoption of ISO/IEC 23008-11:2015)

INCITS/ISO/IEC 23008-12:2017 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 12: Image File Format (identical national adoption of ISO/IEC 23008-12:2017)

INCITS/ISO/IEC 23008-1:2017/AM1:2017 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 1: MPEG media transport (MMT) - Amendment 1: Use of MMT Data in MPEG-H 3D Audio (identical national adoption of ISO/IEC 23008-1:2017/AM1:2017)

INCITS/ISO/IEC 23008-3:2019/AM1:2019 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 3: 3D audio - Amendment 1: Audio metadata enhancements (identical national adoption of ISO/IEC 23008-3:2019/AM1:2019)

INCITS/ISO/IEC 23008-3:2019/AM2:2020 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 3: 3D audio - Amendment 2: 3D Audio baseline profile, corrections and improvements (identical national adoption of ISO/IEC 23008-3:2019/AM2:2020)

INCITS/ISO/IEC 23008-5:2017/AM1:2017 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 5: Reference software for high efficiency video coding - Amendment 1: Reference software for screen content coding extensions (identical national adoption of ISO/IEC 23008-5:2017/AM1:2017)

INCITS/ISO/IEC 23008-8:2018/AM1:2019 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 8: Conformance specification for HEVC - Amendment 1: Conformance testing for HEVC screen content coding (SCC) extensions and non-intra high throughput profiles (identical national adoption of ISO/IEC 23008-8:2018/AM1:2019)

INCITS/ISO/IEC 23008-11:2017/COR1:2017 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 11: MPEG media transport composition information - Technical Corrigendum 1 (identical national adoption of ISO/IEC 23008-11:2017/COR1:2017)

INCITS/ISO/IEC 23008-12:2017/AM1:2020 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 12: Image File Format - Amendment 1: Support for predictive image coding, bursts, bracketing and other improvements (identical national adoption of ISO/IEC 23008-12:2017/AM1:2020)

INCITS/ISO/IEC 23008-12:2017/COR1:2020 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 12: Image File Format - Technical Corrigendum 1 (identical national adoption of ISO/IEC 23008-12:2017/COR1:2020)

INCITS/ISO/IEC 23009-1:2019 [202x], Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 1: Media presentation description and segment formats (identical national adoption of ISO/IEC 23009-1:2019)

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INCITS/ISO/IEC 23009-2:2020 [202x], Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 2: Conformance and reference software (identical national adoption of ISO/IEC 23009-2:2020)

INCITS/ISO/IEC 23009-4:2018 [202x], Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 4: Segment encryption and authentication (identical national adoption of ISO/IEC 23009-4:2018)

INCITS/ISO/IEC 23009-5:2017 [202x], Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 5: Server and network assisted DASH (SAND) (identical national adoption of ISO/IEC 23009-5:2017)

INCITS/ISO/IEC 23009-6:2017 [202x], Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 6: DASH with server push and WebSockets (identical national adoption of ISO/IEC 23009-6:2017)

INCITS/ISO/IEC 23009-5:2017/AM1:2020 [202x], Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 5: Server and network assisted DASH (SAND) - Amendment 1: Improvements on SAND messages (identical national adoption of ISO/IEC 23009-5:2017/AM1:2020)

INCITS/ISO/IEC 23090-8:2020 [202x], Information technology - Coded representation of immersive media - Part 8: Network based media processing (identical national adoption of ISO/IEC 23090-8:2020)

INCITS/ISO/IEC 23091-1:2018 [202x], Information technology - Coding-independent code points - Part 1: Systems (identical national adoption of ISO/IEC 23091-1:2018)

INCITS/ISO/IEC 23091-3:2018 [202x], Information technology - Coding-independent code points - Part 3: Audio (identical national adoption of ISO/IEC 23091-3:2018)

INCITS/ISO/IEC 23092-1:2020 [202x], Information technology - Genomic information representation - Part 1: Transport and storage of genomic information (identical national adoption of ISO/IEC 23092-1:2020)

INCITS/ISO/IEC 23092-2:2020 [202x], Information technology - Genomic information representation - Part 2: Coding of genomic information (identical national adoption of ISO/IEC 23092-2:2020)

INCITS/ISO/IEC 23092-3:2020 [202x], Information technology - Genomic information representation - Part 3: Metadata and application programming interfaces (APIs) (identical national adoption of ISO/IEC 23092-3:2020)

INCITS/ISO/IEC 23092-4:2020 [202x], Information technology - Genomic information representation - Part 4: Reference software (identical national adoption of ISO/IEC 23092-4:2020)

INCITS/ISO/IEC 23092-5:2020 [202x], Information technology - Genomic information representation - Part 5: Conformance (identical national adoption of ISO/IEC 23092-5:2020)

INCITS/ISO/IEC 23093-1:2020 [202x], Information technology - Internet of media things - Part 1: Architecture (identical national adoption of ISO/IEC 23093-1:2020)

INCITS/ISO/IEC 23093-4:2020 [202x], Information technology - Internet of media things - Part 4: Reference software and conformance (identical national adoption of ISO/IEC 23093-4:2020)

INCITS/ISO/IEC 23094-1:2020 [202x], Information technology - General video coding - Part 1: Essential video coding (identical national adoption of ISO/IEC 23094-1:2020)

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INCITS/ISO/IEC 29170-2:2015 [202x], Information technology - Advanced image coding and evaluation - Part 2: Evaluation procedure for nearly lossless coding (identical national adoption of ISO/IEC 29170-2:2015)

INCITS/ISO/IEC 29170-2:2015/AM1:2020 [202x], Information technology - Advanced image coding and evaluation - Part 2: Evaluation procedure for nearly lossless coding - Amendment 1: Evaluation procedure parameters for nearly lossless coding of high dynamic range media and image sequences (identical national adoption of ISO/IEC 29170-2:2015/AM1:2020)

INCITS/ISO/IEC 29199-2:2020 [202x], Information technology - JPEG XR image coding system - Part 2: Image coding specification (identical national adoption of ISO/IEC 29199-2:2020)

INCITS/ISO/IEC 14882:2020 [202x], Programming Languages - C++ (identical national adoption of ISO/IEC 14882:2020 and revision of INCITS/ISO/IEC 14882:2017 [2018])

NCITS/ISO/IEC 15938-14:2018 [202x], Information technology - Multimedia content description interface - Part 14: Reference software, conformance and usage guidelines for compact descriptors for visual search (identical national adoption of ISO/IEC 15938-14:2018)

NCITS/ISO/IEC 23003-4:2020 [202x], Information technology - MPEG audio technologies - Part 4: Dynamic range control (identical national adoption of ISO/IEC 23003-4:2020)

NEMA (ASC C8) (National Electrical Manufacturers Association)

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Khaled Masri; Khaled.Masri@nema.org

BSR ICEA P-117-734-202X, Ampacities for Single-Conductor Solid Dielectric Power Cable 15 kV Through 35 kV (revision of ANSI/ICEA P-117-734-2016)

BSR ICEA S-100-685-202X, Standard for Thermoplastic Insulated And Jacketed Telecommunications Station Wire For Indoor/Outdoor Use (revision of ANSI/ICEA S-100-685-2014)

BSR ICEA S-113-684-202x, Performance Based Standard for Electric Utility Extruded Dielectric Shielded Power Cables Rated 5 Through 46 kV (revision of ANSI/ICEA S-113-684-2016)

BSR ICEA S-119-741-202X, Standard for Fiber to the Antenna (FTTA) Optical Fiber Cable (revision of ANSI/ICEA S-119-741-2016)

BSR ICEA S-121-733-202X, Tree Wire and Messenger Supported Spacer Cable (revision of ANSI/ICEA S-121-733-2016)

BSR ICEA S-70-547-202X, Standard for Weather Resistant Polyethylene Covered Conductor (revision of ANSI/ICEA S-70-547-2016)

BSR ICEA T-22-294-202x, ICEA Test Procedures for Extended Time-Testing of Wire and Cable Insulations for Service in Wet Locations (revision of ANSI/ICEA T-22-294-2016)

BSR NEMA WC 70/ICEA S-95-658-202x, Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy (new standard)

PLASTICS (Plastics Industry Association)

1425 K Street, NW, Suite 500, Washington, DC 20005 p: (202) 974-5217 w: www.plasticsindustry.org

Jennifer Jones; jjones@plasticsindustry.org

BSR/PLASTICS B151.1-202x, Safety Requirements for Injection Molding Machines (revision of ANSI/PLASTICS B151.1-2017)

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

AAMI (Association for the Advancement of Medical Instrumentation)

AAMI (www.aami.org) is actively seeking participation in the following standards development work and in the interest categories specified:

BSR/AAMI/ISO 5840-1-202x, Cardiovascular implants - Cardiac valve prostheses - Part 1: General requirements (identical national adoption of ISO 5840-1:2020 and revision of ANSI/AAMI/ISO 5840-1-2015).

US adoption of AAMI/ISO 5840-1-202x, Cardiovascular implants - Cardiac valve prostheses - Part 1: General requirements. Applicable to heart valve substitutes intended for implantation and provides general requirements. Subsequent parts of the ISO 5840 series provide specific requirements. Applicable to newly developed and modified heart valve substitutes and to the accessory devices, packaging, and labelling required for their implantation and for determining the appropriate size of the heart valve substitute to be implanted. Seeking industry, user, regulator and general interest participation.

BSR/AAMI/ISO 5840-2-202x, Cardiovascular implants - Cardiac valve prostheses - Part 2: Surgically implanted heart valve substitutes (identical national adoption of ISO 5840-2:2020 and revision of ANSI/AAMI/ISO 5840-2-2015).

US adoption of AAMI/ISO 5840-2-202x, Cardiovascular implants - Cardiac valve prostheses - Part 2: Surgically implanted heart valve substitutes. Applicable to heart valve substitutes intended for implantation in human hearts, generally requiring cardiopulmonary bypass and generally with direct visualization. Applicable to both newly developed and modified surgical heart valve substitutes and to the accessory devices, packaging, and labelling required for their implantation and for determining the appropriate size of the surgical heart valve substitute to be implanted. Seeking industry, user, regulator and general interest participation.

BSR/AAMI/ISO 5840-3-202x, Cardiovascular implants - Cardiac valve prostheses - Part 3: Heart valve substitutes implanted by transcatheter techniques (national adoption of ISO 5840-3:2020 with modifications and revision of ANSI/AAMI/ISO 5840-3-2012).

US adoption of AAMI/ISO 5840-3-202x, Cardiovascular implants - Cardiac valve prostheses - Part 3: Heart valve substitutes implanted by transcatheter techniques. Applicable to all devices intended for implantation as a transcatheter heart valve substitute. Applicable to transcatheter heart valve substitutes and to the accessory devices, packaging and labelling required for their implantation and for determining the appropriate size of heart valve substitute to be implanted. Seeking industry, user, regulator and general interest participation.

BSR/AAMI/ISO 25539-2-202x, Cardiovascular implants - Endovascular devices - Part 2: Vascular stents (identical national adoption of ISO 25539-2:2020, Cardiovascular implants - Endovascular devices - Part 2: Vascular stents, and revision of ANSI/AAMI/ISO 25539-2-2012).

US adoption of AAMI/ISO 25539-2-202x, Cardiovascular implants - Endovascular devices - Part 2: Vascular stents. Specifies requirements for the evaluation of stent systems (vascular stents and delivery systems) and requirements with respect to nomenclature, design attributes and information supplied by the manufacturer, based upon current medical knowledge. Guidance for the development of in vitro test methods is included. Seeking industry, user, regulator and general interest participation.

Call for Members (ANS Consensus Bodies)

ANSI Accredited Standards Developer

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

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

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

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

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

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

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

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

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

Call for Comment of ANS Limited Substantive Changes

ANSI Accredited Standards Developer

AAFS - American Academy of Forensic Sciences

ANSI/ASB Std 036-2019

Comment Deadline: April 26, 2021

This Call for Comment of Limited Substantive Changes to the Approved American National Standard ANSI/ASB Std 036-2019, Standard Practices for Method Validation in Forensic Toxicology is available for review & comment until April 26, 2021.

This document delineates minimum standards of practice for validating analytical methods used in the field of forensic toxicology that target specific analytes or analyte classes. Specifically, it is intended for the subdisciplines of postmortem forensic toxicology, human performance toxicology (e.g., drug-facilitated crimes and driving-under-the-influence of alcohol or drugs), non-regulated employment drug testing, court-ordered toxicology (e.g., probation and parole, drug courts, child services), and general forensic toxicology (non-lethal poisonings or intoxications). This document is not intended to address method validation in the discipline of breath alcohol testing. The fundamental reason for performing method validation is to ensure confidence and reliability in forensic toxicological test results by demonstrating the method is fit for its intended use.

Please note that comments will only be accepted on revised sections of a document, comments made to text not revised from will not be accepted. Updated, redline version, and comments can be viewed on the AAFS Standards Board website.

Single copy price: Free to download

Obtain an electronic copy from:

<http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/>

Send comments (with optional copy to psa@ansi.org) to: Same as above

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

AAFS

American Academy of Forensic Sciences

Teresa Ambrosius

tambrosius@aafs.org

(719) 453-1036

410 North 21st Street

Colorado Springs, CO 80904

www.aafs.org

Call for Comment of ANS Limited Substantive Changes

ANSI Accredited Standards Developer

OPEI (ASC B175) (Outdoor Power Equipment Institute)

ANSI/OPEI B175.3-2019

Comment Deadline: April 11, 2021

This Call for Comment of Limited Substantive Changes to the Approved American National Standard ANSI/OPEI B175.3-2019, Standard for Outdoor Power Equipment – Internal Combustion Engine-Powered Hand-Held Grass Trimmers and Brushcutters – Safety and Environmental Requirements is available for review & comment until April 11, 2021.

The purpose of this standard is to establish safety and environmental requirements for internal combustion engine-powered, hand-held, grass trimmers and brushcutters.

The requirements of this Standard apply to:

- a) Internal combustion engine-powered, hand-held, grass trimmers intended for use with flexible nonmetallic line, or other types of nonmetallic cutting attachments, and
- b) Internal combustion engine-powered, hand-held, brushcutters intended for use with cutting blades and other cutting attachments.

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

Greg Knott
Vice President of Standards
Outdoor Power Equipment Institute (OPEI)
1605 King Street
Alexandria, VA 22314
p: (703) 549-7600
e: gknott@opei.org

Call for Comment of ANS Limited Substantive Changes

ANSI Accredited Standards Developer

OPEI (ASC B175) (Outdoor Power Equipment Institute)

ANSI/OPEI B175.4-2018

Comment Deadline: April 11, 2021

This Call for Comment of Limited Substantive Changes to the Approved American National Standard ANSI/OPEI B175.4-2018, Standard for Outdoor Power Equipment – Portable, Handheld, Internal Combustion Engine-Powered Cut-Off Machines – Safety and Environmental Requirements is available for review & comment until April 11, 2021.

The purpose of this standard is to establish safety and environmental requirements to reduce the risk of injury associated with the use of portable, handheld, internal combustion engine-powered machines using a rotating cut-off (abrasive) wheel.

The standard applies to portable, handheld, internal combustion engine-powered machines, which use a rotating cut-off (abrasive) wheel that is center-mounted on a and driven by a spindle shaft, and designed for cutting construction materials such as asphalt, concrete, stone and metal. The requirements in this standard apply to machines using up to 16 in (400 mm) nominal cut-off wheels. Copy for public comment

Single copy price: Free to download

Obtain an electronic copy from: Greg Knott, gknott@opei.org

Send comments (with optional copy to psa@ansi.org) to: Same as above

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

Greg Knott
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American National Standards (ANS) Announcements

Corrections

ASME (American Society of Mechanical Engineers)

Correction to URL electronic drafts for BSR/ASME B30.9-202x & BSR/ASME B30.22-202x

There was a problem with the URL's published in the 2/19/2021 Standards Action Call for Comment notice for:

- BSR/ASME B30.9-202x, Slings (revision of ANSI/ASME B30.9-2018) and
- BSR/ASME B30.22-202x Articulating Boom Cranes (revision of ANSI/ASME B30.22-2016)

The URL has been corrected and electronic copies can be obtained from:

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

Send comments (with optional copy to psa@ansi.org) to: Kathleen Peterson; peteronk@asme.org

ASME American Society of Mechanical Engineers

The comment deadline is April 5, 2021

Corrections

ASTM - ASTM International

Final Action for ANSI/ASTM E177-2020, ANSI/ASTM E691-2020, ANSI/ASTM E2281-2015 (R2020) & ANSI/ASTM F3313-2020 is: 10/20/2020

The Approval Date of Final Action was incorrectly listed for the following Final Action notices published in Issue 51 Volume 44 of ANSI Standards Action. The correct Approval Date of Final Action is: 10/20/2020.

ANSI/ASTM E691-2020, Practice for Conducting an Interlaboratory Study to Determine the Precision of a Test Method (revision of ANSI/ASTM E691-2019) Approved: 10/20/2020

ANSI/ASTM E177-2020, Practice for Use of the Terms Precision and Bias in ASTM Test Methods, (revision of ANSI/ASTM E177-2019) Approved: 10/20/2020

ANSI/ASTM E2281-2015 (R2020), Practice for Process Capability and Performance Measurement, (reaffirmation of ANSI/ASTM E2281-2015) Approved: 10/20/2020

ANSI/ASTM F3313-2020, Test Method for Determining Impact Attenuation of Playground Surfaces Within the Use Zone of Playground Equipment as Tested in the Field (revision of ANSI/ASTM F3313-2019) Approved: 10/20/2020

Please direct inquires to Laura Klineburger, ASTM International (610) 832-9744, accreditation@astm.org

Corrections

ASTM - ASTM International

Final Action for ANSI/ASTM F1695-2021 is: 2/2/2021

The Approval Date of Final Action was incorrectly listed for the following Final Action notice published in Issue 51 Volume 44 of ANSI Standards Action. The correct Approval Date of Final Action is: 2/2/2021.

ANSI/ASTM F1695-2021, Test Method for Performance of Underfired Broilers (revision of ANSI/ASTM F1695-2003 (R2015)) Approved: 2/2/2021

Please direct inquires to Laura Klineburger, ASTM International (610) 832-9744, accreditation@astm.org

Accreditation Announcements (Standards Developers)

Approval of Accreditation – ASD

NICA (National Infusion Center Association)

Effective March 8, 2021

ANSI's Executive Standards Council has approved the National Infusion Center Association (NICA), a new ANSI member in 2020, as an ANSI Accredited Standards Developer (ASD) under its proposed operating procedures for documenting consensus on NICA-sponsored American National Standards, effective March 8, 2021. For additional information, please contact: Ms. Kaitey Morgan, RN, BSN, CRNI, Chief Clinical Officer, National Infusion Center Association, 3307 Northland Drive, Suite 160, Austin, TX 78731; phone: 512.761.7870; email: kaitey.morgan@infusioncenter.org

Approval of Reaccreditation – ASD

ASB (ASC Z50) - American Society of Baking Safety Requirements for Bakery Equipment

Effective March 5, 2021

The reaccreditation of Accredited Standards Committee Z50, Safety Requirements for Bakery Equipment has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ASC Z50-sponsored American National Standards, effective March 5, 2021. For additional information, please contact the Secretariat of ASC Z50: Mr. Toby Steward, Chair, Z50 Committee, 243 Reade Drive, Cogan Station, PA 17728; phone: 570.494.0624; email: toby.steward@tnasolutions.com

Approval of Reaccreditation – ASD

BOMA (Building Owners and Managers Association)

Effective March 9, 2021

The reaccreditation of the Building Owners and Managers Association (BOMA International), an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under its recently revised operating procedures for documenting consensus on BOMA-sponsored American National Standards, effective March 9, 2021. For additional information, please contact: Ms. Lisa Prats, Managing Director, Standards and International Affairs, BOMA International, 1101 15th Street, NW, Suite 800, Washington, DC 20005; phone: 202.326.6338; email: lprats@boma.org

Approval of Reaccreditation – ASD

CRRC - Cool Roof Rating Council

Effective March 4, 2021

The reaccreditation of the Cool Roof Rating Council (CRRC), an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under its recently revised operating procedures for documenting consensus on CRRC-sponsored American National Standards, effective March 4, 2021. For additional information, please contact: Ms. Sarah Schneider, Deputy Director, Cool Roof Rating Council, 2435 Lombard Street, Portland, OR 97217; phone: (503) 606-8458 ext. 502; email: sarah@coolroofs.org

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

TNI - The NELAC Institute

Effective March 5, 2021

ANSI's Executive Standards Council has approved the reaccreditation of The NELAC Institute (TNI), an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on TNI-sponsored American National Standards, effective March 5, 2021. For additional information, please contact: Mr. Robert Wyeth, TNI ANSI Program Administrator, The NELAC Institute, P.O. Box 2439, Weatherford, TX 76086; phone: 716.254.1544; email: robert.wyeth@nelac-institute.org

Public Review of Revised ASD Operating Procedures

GTESS (Georgia Institute of Technology Energy & Sustainability Services)

Comment Deadline: April 12, 2021

Georgia Tech Energy & Sustainability Services (GTESS), an ANSI Member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on GTESS-sponsored American National Standards, under which it was last reaccredited in 2019. As the revisions represent a complete rewrite of the current accredited procedures and appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Ms. Deann Desai, Project Manager, Georgia Tech Enterprise Innovation Institute, 75 Fifth Street N.W., Suite 3001, Atlanta, GA 30332-0640; phone: 770.605.4474; email: deann.desai@innovate.gatech.edu.

You may view/download a copy of the revisions during the public review period at the following URL: <https://share.ansi.org/Shared%20Documents/Forms/AllItems.aspx?RootFolder=%2FShared%20Documents%2FStandards%20Activities%2FPublic%20Review%20and%20Comment%2FANSI%20Accreditation%20Actions%2FMarch%2012%20%2D%20April%2012%2C%202021%20Public%20Review%20Period&InitialTabId=Ribbon%2EDocument&VisibilityContext=WSSTabPersistence>

Please submit any public comments on the revised procedures to GTESS by April 12, 2021, with a copy to the ExSC Recording Secretary in ANSI's New York Office (thompso@ANSI.org).

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

Natural Gas Transportation Technical Committee (CSA Group)

Thursday, April 22, 2021

CSA Group will hold the Natural Gas Transportation Technical Committee meeting by WebEx on Thursday, April 22, 2021 from 1 pm to 3 pm Eastern. For more information on the meeting and the agenda, contact Julie Cairns at julie.cairns@csagroup.org.

American National Standards (ANS) Process

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

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

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

- ANSI Essential Requirements: Due process requirements for American National Standards (always current edition): www.ansi.org/essentialrequirements
- ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures): www.ansi.org/standardsaction
- Accreditation information – for potential developers of American National Standards (ANS): www.ansi.org/sdoaccreditation
- ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form): www.ansi.org/asd
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: www.ansi.org/asd
- American National Standards Key Steps: www.ansi.org/anskeysteps
- American National Standards Value: www.ansi.org/ansvalue
- ANS Web Forms for ANSI-Accredited Standards Developers - PINS, BSR8|108, BSR11, Technical Report: <https://www.ansi.org/portal/psawebforms/>
- Information about standards Incorporated by Reference (IBR): <https://ibr.ansi.org/>
- ANSI - Education and Training: www.standardslearn.org

If you have a question about the ANS process and cannot find the answer, please email us at: psa@ansi.org . Please also visit Standards Boost Business at www.standardsboostbusiness.org for resources about why standards matter, testimonials, case studies, FAQs and more.

If you are interested in purchasing an American National Standard, please visit <https://webstore.ansi.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)**
 - **IES (Illuminating Engineering Society)**
 - **ITI (InterNational Committee for Information Technology Standards)**
 - **MHI (Material Handling Industry)**
 - **NAHBRC (NAHB Research Center, Inc.)**
 - **NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)**
 - **NCPDP (National Council for Prescription Drug Programs)**
 - **NEMA (National Electrical Manufacturers Association)**
 - **NISO (National Information Standards Organization)**
 - **NSF (NSF International)**
 - **PRCA (Professional Ropes Course Association)**
 - **RESNET (Residential Energy Services Network, Inc.)**
 - **SAE (SAE International)**
 - **TCNA (Tile Council of North America)**
 - **TIA (Telecommunications Industry Association)**
 - **UL (Underwriters Laboratories)**

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

ANSI-Accredited Standards Developers Contacts

The addresses listed in this section are to be used in conjunction with standards listed in PINS, Call for Comment 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 Standards Action Editor at standact@ansi.org.

ABYC

American Boat and Yacht Council
613 Third Street
Suite 10
Annapolis, MD 21403
e: smoulton@abycinc.org
p: (410) 990-4460
www.abycinc.org

ADA (Organization)

American Dental Association
211 East Chicago Avenue
Chicago, IL 60611-2678
e: bralowerp@ada.org
p: (312) 587-4129
www.ada.org

ASA (ASC S12)

Acoustical Society of America
1305 Walt Whitman Road
Suite 300
Melville, NY 11747
e: standards@acousticalsociety.org
p: (516) 576-2341
www.acousticalsociety.org

ASABE

American Society of Agricultural and
Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
e: walsh@asabe.org
p: (269) 757-1213
<https://www.asabe.org/>

ASHRAE

American Society of Heating,
Refrigerating and Air-Conditioning
Engineers, Inc.
180 Technology Parkway NW
Peachtree Corners, GA 30092
e: rshanley@ashrae.org
p: (678) 539-2114
www.ashrae.org

ASME

American Society of Mechanical
Engineers
Two Park Avenue
M/S 6-2B
New York, NY 10016-5990
e: ansibox@asme.org
p: (212) 591-8489
www.asme.org

ASSP (Safety)

American Society of Safety
Professionals
520 N. Northwest Highway
Park Ridge, IL 60068
e: TFisher@ASSP.org
p: (847) 768-3411
www.assp.org

ASTM

ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428
-2959
e: accreditation@astm.org
p: (610) 832-9744
www.astm.org

AWS

American Welding Society
8669 NW 36th Street
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Miami, FL 33166-6672
e: jrosario@aws.org
p: (800) 443-9353
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AWS

American Welding Society
8669 NW 36th Street
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Miami, FL 33166-6672
e: mdiaz@aws.org
p: (305) 443-9353
www.aws.org

AWWA

American Water Works Association
6666 W. Quincy Avenue
Denver, CO 80235
e: polson@awwa.org
p: (303) 347-6178
www.awwa.org

CPLSO

CPLSO
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Commercial Road
Bristol BS16TG, UK BS1 6TG
e: pratt.hugh@cplso.org
p: (078) 796-2989

CSA

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8501 E. Pleasant Valley Road
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p: (216) 524-4990
www.csagroup.org

CTA

Consumer Technology Association
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 Arlington, VA 22202
 e: vlancaster@cta.tech
 p: (703) 907-7697
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FM

FM Approvals
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 Norwood, MA 02062
 e: josephine.mahnken@fmaprovals.com
 p: (781) 255-4813
 www.fmglobal.com

HSI

Healthcare Standards Institute
 10231 Kotzebue Street
 San Antonio, TX 78217
 e: hboisjoly@ingenesis.com
 p: (210) 366-0033
 www.hsi.health/

IES

Illuminating Engineering Society
 120 Wall Street, Floor 17
 New York, NY 10005
 e: pmcgillicuddy@ies.org
 p: (917) 913-0027
 www.ies.org

INMM (ASC N15)

Institute of Nuclear Materials
 Management
 9800 S. Cass Avenue
 Argonne, IL 60439
 e: b.srinivasan@science.doe.gov
 p: (630) 427-7126
 www.inmm.org

ITI (INCITS)

InterNational Committee for
 Information Technology Standards
 700 K Street NW
 Suite 600
 Washington, DC 20001
 e: comments@standards.incits.org
 p: (202) 737-8888
 www.incits.org

NCPDP

National Council for Prescription
 Drug Programs
 9240 East Raintree Drive
 Scottsdale, AZ 85260
 e: kkrempin@ncpdp.org
 p: (480) 296-4584
 www.ncpdp.org

NEMA (ASC C12)

National Electrical Manufacturers
 Association
 1300 North 17th Street
 Suite 900
 Rosslyn, VA 22209
 e: orrpaul@aol.com
 p: (703) 477-9997
 www.nema.org

NEMA (ASC C137)

National Electrical Manufacturers
 Association
 1300 N 17th Street
 Suite 900
 Rosslyn, VA 22209
 e: Michael.Erbesfeld@nema.org
 p: (703) 841-3262
 www.nema.org

NEMA (ASC C8)

National Electrical Manufacturers
 Association
 1300 North 17th Street
 Suite 900
 Arlington, VA 22209
 e: Khaled.Masri@nema.org
 p: (571) 426-3226
 www.nema.org

NENA

National Emergency Number
 Association
 1700 Diagonal Road
 Suite 500
 Alexandria, VA 22314
 e: darnold@nena.org
 p: (727) 312-3230
 www.nena.org

NFPA

National Fire Protection Association
 One Batterymarch Park
 Quincy, MA 02269-9101
 e: PFoley@nfpa.org
 p: (617) 984-7248
 www.nfpa.org

NSF

NSF International
 789 N. Dixboro Road
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 e: arose@nsf.org
 p: (734) 827-3817
 www.nsf.org

NSF

NSF International
 789 N. Dixboro Road
 Ann Arbor, MI 48105-9723
 e: mleslie@nsf.org
 p: (734) 827-5643
 www.nsf.org

PLASTICS

Plastics Industry Association
 1425 K Street, NW
 Suite 500
 Washington, DC 20005
 e: jjones@plasticsindustry.org
 p: (202) 974-5217
 www.plasticsindustry.org

SCTE

Society of Cable Telecommunications
Engineers
140 Philips Rd
Exton, PA 19341
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p: (800) 542-5040
www.scte.org

UL

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12 Laboratory Drive
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UL

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UL

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UL

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UL

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UL

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p: (847) 664-3038
https://ul.org/

UL

Underwriters Laboratories
47173 Benicia Street
Fremont, CA 94538
e: Marcia.M.Kawate@ul.org
p: (510) 319-4259
https://ul.org/



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

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

ISO/DIS 18778, Respiratory equipment - Particular requirements for basic safety and essential performance of equipment for infant cardiorespiratory monitors - Particular requirements for basic safety and essential performance of equipment for infant cardiorespiratory monitors - 5/20/2021, \$125.00

BANKING AND RELATED FINANCIAL SERVICES (TC 68)

ISO/DIS 5009, Financial Services - Official organizational roles - Scheme for official organizational roles - 5/17/2021, \$40.00

COALBED METHANE (CBM) (TC 263)

ISO/DIS 4657, Assessment specification of coalbed methane resources - 5/21/2021, \$53.00

ERGONOMICS (TC 159)

ISO/DIS 9241-20, Ergonomics of human-system interaction - Part 20: An ergonomic approach to accessibility within the ISO 9241 series - 5/22/2021, \$77.00

FLUID POWER SYSTEMS (TC 131)

ISO/DIS 16889.2, Hydraulic fluid power - Filters - Multi-pass method for evaluating filtration performance of a filter element - 4/19/2021, \$112.00

MATERIALS, EQUIPMENT AND OFFSHORE STRUCTURES FOR PETROLEUM AND NATURAL GAS INDUSTRIES (TC 67)

ISO/DIS 3421, Petroleum and natural gas industries - Drilling and production equipment - Offshore conductor design, setting depth, and installation - 5/20/2021, \$107.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO/DIS 10326-2, Mechanical vibration - Laboratory method for evaluating vehicle seat vibration - Part 2: Application to railway vehicles - 11/11/2009, \$77.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/DIS 12312-3, Eye and face protection - Sunglasses and related eyewear - Part 3: Sunglasses for running, cycling and similar active lifestyles - 5/21/2021, \$46.00

ROAD VEHICLES (TC 22)

ISO/DIS 21234, Heavy commercial vehicles and buses - Moment of inertia measurement - 5/24/2021, \$71.00

SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

ISO/DIS 23659, Sports and recreational facilities - Trampoline parks - Safety requirements - 5/20/2021, \$134.00

TOURISM AND RELATED SERVICES (TC 228)

ISO/DIS 3021, Adventure tourism - Hiking and trekking activities - Requirements and recommendations - 5/21/2021, \$98.00

IEC Standards

2/2041/CDV, IEC 60034-33 ED1: Rotating electrical machines - Part 33: Specific technical requirements for synchronous hydrogenerators including motor-generators, 05/28/2021

9/2697/NP, PNW 9-2697 ED1: Railway applications - Rolling stock - Fuel cell systems for propulsion - Part 2: Hydrogen storage system, 05/28/2021

18A/442/NP, PNW 18A-442 ED1: Electrical installations in ships - Part 3xx: Optical fiber cables, 05/28/2021

22H/269/FDIS, IEC 62040-1/AMD1 ED2: Uninterruptible power systems (UPS) - Part 1: Safety requirements, 04/16/2021

- 33/654/CD, IEC TS 60871-2/AMD1 ED3: Amendment 1 - Shunt capacitors for a.c. power systems having a rated voltage above 1 000 V - Part 2: Endurance testing, 05/28/2021
- 34D/1596/CDV, IEC 60598-2-20 ED5: Luminaires - Part 2-20: Particular requirements - Lighting chains, 05/28/2021
- 34D/1609/CD, IEC 60598-1/FRAG7 ED10: Fragment 7 - Luminaires - Part 1: General requirements and tests, 05/28/2021
- 34D/1610/CD, IEC 60598-1/FRAG13 ED10: Fragment 13 - Luminaires - Part 1: General requirements and tests, 05/28/2021
- 34D/1611/CD, IEC 60598-1/FRAG14 ED10: Fragment 14 - Luminaires - Part 1: General requirements and tests, 05/28/2021
- 45/916/CDV, IEC 63175 ED1: Fixed energy high intensity proton cyclotron within the energy range of 10 to less than 30 MeV, 05/28/2021
- 46C/1179/CD, IEC TR 61156-1-2 ED2: Multicore and symmetrical pair/quad cables for digital communications - Part 1-2: Electrical transmission characteristics and test methods of symmetrical pair/quad cables, 05/28/2021
- 46C/1180/CD, IEC 61156-1 ED4: Multicore and symmetrical pair/quad cables for digital communications - Part 1: Generic specification, 05/28/2021
- 46F/557/CD, IEC 60153-4 ED4: Hollow metallic waveguides - Part 4: Relevant specifications for circular waveguides, 05/28/2021
- 48B/2875/FDIS, IEC 63171-2/ED.1: Connectors for electrical and electronic equipment - Part 2: Detail specification for 2-way, shielded or unshielded, free and fixed connectors: mechanical mating information, pin assignment and additional requirements for type 2, 04/16/2021
- 51/1368/CD, IEC 63300 ED1: Test methods for electrical and magnetic properties of magnetic powder cores, 05/28/2021
- 57/2362/CD, IEC TS 62351-100-4 ED1: Power systems management and associated information exchange - Data and communication security - Part 100-4: Conformance testing for IEC 62351-4, 05/28/2021
- 61D/472/FDIS, IEC 60335-2-104 ED2: Household and similar electrical appliances - Safety - Part 2-104: Particular requirements for appliances to recover and/or recycle refrigerant from air conditioning and refrigeration equipment, 04/16/2021
- 62A/1440/DTS, ISO TS 82304-2 ED1: Health software - Part 2: Health and wellness apps - Quality criteria across the life cycle - Code of practice, 05/28/2021
- 65E/777/CDV, IEC 62453-2 ED3: Field device tool (FDT) interface specification - Part 2: Concepts and detailed description, 05/28/2021
- 68/683/CD, IEC 60404-8-4 ED4: Magnetic materials - Part 8-4: Specifications for individual materials - Cold-rolled non-oriented electrical steel strip and sheet delivered in the fully-processed state, 06/25/2021
- 77A/1095/DC, IEC 61000-3-2:2018 + A1:2020 Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) - Interpretation sheet 1, 04/16/2021
- 81/649/CD, IEC 62561-2 ED3: Lightning protection system components (LPSC) - Part 2: Requirements for conductors and earth electrodes, 05/28/2021
- 82/1845/CDV, IEC 62093 ED2: Power conversion equipment for photovoltaic systems - Design qualification testing, 05/28/2021
- 82/1847/CDV, IEC 62788-5-1/AMD1 ED1: Amendment 1 - Measurement procedures for materials used in photovoltaic modules - Part 5-1: Edge seals - Suggested test methods for use with edge seal materials, 05/28/2021
- 88/807/CD, IEC 61400-25-2 ED3: Wind turbines - Part 25-2: Communications for monitoring and control of wind power plants - Information models, 05/28/2021
- 91/1712/FDIS, IEC 61691-8 ED1: Behavioural languages - Part 8: Standard System C Analog/Mixed-Signal Extensions Language Reference Manual (IEEE Std 1666.1-2016), 04/16/2021
- 91/1713/FDIS, IEC 62530-2 ED1: System Verilog - Part 2: Universal Verification Methodology Language Reference Manual (IEEE Std 1800.2-2017), 04/16/2021
- 91/1714/FDIS, IEC 62530 ED3: System Verilog - Unified Hardware Design, Specification, and Verification Language (IEEE Std 1800-2017), 04/16/2021
- 91/1715/FDIS, IEC 61691-6 ED2: Behavioural languages - Part 6: VHDL Analog and Mixed-Signal Extensions (IEEE Std 1076.1-2017), 04/16/2021
- 91/1716/FDIS, IEC 61636 ED2: Software Interface for Maintenance Information Collection and Analysis (SIMICA) (IEEE Std 1636-2018), 04/16/2021
- 91/1717/FDIS, IEC 61636-1 ED2: Software interface for maintenance information collection and analysis (SIMICA): Exchanging test results and session information via the extensible markup language (XML) (IEEE Std 1636.1-2018), 04/16/2021
- 91/1718/NP, PNW 91-1718 ED1: Test methods for electrical materials, printed board and other interconnection structures and assemblies - Part 2-809: X/Y Coefficient of Thermal Expansion Test (CTE) for Thick Base Materials by TMA, 05/28/2021
- 91/1719/NP, PNW 91-1719 ED1: Future 61249-2-XXX: Materials for printed boards and other interconnecting structures - Part 2-XXX: Reinforced base materials, clad and unclad - Base materials for Integrated Circuit card carrier tape, unclad, 05/28/2021
- 96/505/FDIS, IEC 61558-2-4 ED3: Safety of transformers, reactors, power supply units and combinations thereof - Part 2-4: Particular requirements and tests for isolating transformers and power supply units incorporating isolating transformers for general applications, 04/16/2021

- 96/506/FDIS, IEC 61558-2-6 ED3: Safety of transformers, reactors, power supply units and combinations thereof - Part 2-6: Particular requirements and tests for safety isolating transformers and power supply units incorporating safety isolating transformers for general applications, 04/16/2021
- 100/3573/DTR, IEC TR 63344 ED1: Multimedia systems - Haptics - Conceptual model of standardization, 04/30/2021
- 105/847/FDIS, IEC 62282-7-2 ED1: Fuel cell technologies - Part 7-2: Test methods - Single cell and stack performance tests for solid oxide fuel cells (SOFCs), 04/16/2021
- 112/517/CDV, IEC 60216-5 ED4: Electrical insulating materials - Thermal endurance properties - Part 5: Determination of relative temperature index (RTI) of an insulating material, 05/28/2021
- 112/518/CDV, IEC 60216-6 ED3: Electrical insulating materials - Thermal endurance properties - Part 6: Determination of thermal endurance indices (TI and RTI) of an insulating material using the fixed time frame method, 05/28/2021
- 113/580/NP, PNW TS 113-580 ED1: Nanomanufacturing - Key control characteristics - Part 6-29: Graphene-based materials - Defectiveness: Raman spectroscopy, 05/28/2021
- 113/581/NP, PNW TS 113-581 ED1: IEC TS 62607-6-18: Nanomanufacturing - Key control characteristics - Part 6-18: Graphene-based material - Functional groups: TGA-FTIR, 05/28/2021
- 113/582/NP, PNW TS 113-582 ED1: IEC TS 62607-6-22: Nanomanufacturing - Key control characteristics - Part 6-22: Graphene-based materials - Ash content: Incineration, 05/28/2021
- 113/583/NP, PNW TS 113-583 ED1: Nanomanufacturing - Material specifications - Part 5-3: Nanosized silicon anode material - Blank detail specification, 05/28/2021
- 113/584/DTS, IEC TS 62607-9-1 ED1: Nanomanufacturing - Key control characteristics - Part 9-1: Traceable spatially resolved nano-scale stray magnetic field measurements - Magnetic Force Microscopy, 05/28/2021
- 116/495/FDIS, IEC 62841-4-5 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-5: Particular requirements for grass shears, 04/16/2021



Newly Published ISO Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization. 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>).

ACOUSTICS (TC 43)

ISO 11904-2:2021, Acoustics - Determination of sound immission from sound sources placed close to the ear - Part 2: Technique using a manikin, \$111.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 4120:2021, Sensory analysis - Methodology - Triangle test, \$111.00

CONCRETE, REINFORCED CONCRETE AND PRE-STRESSED CONCRETE (TC 71)

ISO 16711:2021, Requirements for seismic assessment and retrofit of concrete structures, \$73.00

ISO 23523:2021, Test methods for discrete polymer fibre for fibre-reinforced cementitious composites, \$111.00

ENERGY MANAGEMENT AND ENERGY SAVINGS (TC 301)

ISO 50009:2021, Energy management systems - Guidance for implementing a common energy management system in multiple organizations, \$175.00

MACHINE TOOLS (TC 39)

ISO 19085-1:2021, Woodworking machines - Safety - Part 1: Common requirements, \$200.00

MATERIALS, EQUIPMENT AND OFFSHORE STRUCTURES FOR PETROLEUM AND NATURAL GAS INDUSTRIES (TC 67)

ISO 21857:2021, Petroleum, petrochemical and natural gas industries - Prevention of corrosion on pipeline systems influenced by stray currents, \$225.00

ISO 19905-3:2021, Petroleum and natural gas industries - Site-specific assessment of mobile offshore units - Part 3: Floating units, \$149.00

PAPER, BOARD AND PULPS (TC 6)

ISO 9932:2021, Paper and board - Determination of water vapour transmission rate of sheet materials - Dynamic sweep and static gas methods, \$73.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO 16321-1:2021, Eye and face protection for occupational use - Part 1: General requirements, \$200.00

ISO 16321-2:2021, Eye and face protection for occupational use - Part 2: Additional requirements for protectors used during welding and related techniques, \$111.00

ISO 16321-3:2021, Eye and face protection for occupational use - Part 3: Additional requirements for mesh protectors, \$48.00

ISO 18527-1:2021, Eye and face protection for sports use - Part 1: Requirements for downhill skiing and snowboarding goggles, \$149.00

ISO 18527-2:2021, Eye and face protection for sports use - Part 2: Requirements for eye protectors for squash and eye protectors for racquetball and squash 57, \$149.00

SERVICE ACTIVITIES RELATING TO DRINKING WATER SUPPLY SYSTEMS AND WASTEWATER SYSTEMS - QUALITY CRITERIA OF THE SERVICE AND PERFORMANCE INDICATORS (TC 224)

ISO 24528:2021, Service activities relating to drinking water supply, wastewater and stormwater systems - Guideline for a water loss investigation of drinking water distribution networks, \$225.00

SMALL TOOLS (TC 29)

ISO 11901-5:2021, Tools for pressing - Gas springs - Part 5: Safety instructions for gas springs, \$111.00

SOLID RECOVERED FUELS (TC 300)

ISO 21660-3:2021, Solid recovered fuels - Determination of moisture content using the oven dry method - Part 3: Moisture in general analysis sample, \$73.00

SURFACE CHEMICAL ANALYSIS (TC 201)

ISO 14707:2021, Surface chemical analysis - Glow discharge optical emission spectrometry (GD-OES) - Introduction to use, \$73.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO 24620-3:2021, Language resource management - Controlled human communication (CHC) - Part 3: Basic principles and methodology for controlled oral communication (COraCom), \$149.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 7915:2021, Forestry machinery - Portable chain-saws - Determination of handle strength, \$48.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO 14819-1:2021, Intelligent transport systems - Traffic and travel information messages via traffic message coding - Part 1: Coding protocol for Radio Data System-Traffic Message Channel (RDS-TMC) using ALERT-C, \$225.00

ISO Technical Specifications

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/TS 21184:2021, Cooperative intelligent transport systems (C-ITS) - Global transport data management (GTDM) framework, \$250.00

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Chain of Custody

Comment Deadline: March 26, 2021

NEN, the ISO member body for the Netherlands and secretariat of ISO Project Committee 308 (ISO/PC 308), has submitted to ISO a proposal for a new field of ISO technical activity on Chain of custody, with the following scope statement

Standardization in the field of chain of custody (CoC) for products and associated processes with specified characteristics, with the aim of ensuring that associated claims are reliable.

Please note that NEN proposed a new work item proposal on this subject in 2016 which was approved, and the standard ISO 22095:2020 (Chain of custody — General terminology and models) was developed under ISO/PC 308. This proposal is to convert ISO/PC 308 into a technical committee with an extended work program.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (sot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, March 26, 2021.

Organizations interested in participating in the U.S. TAG or obtaining additional information should contact the U.S. TAG Administrator, Grace Roh, (Grace.Roh@ul.com) of Underwriters Laboratories.

ISO Proposal for a New Field of ISO Technical Activity

Roofing and Waterproofing Building Materials

Comment Deadline: April 23, 2021

GOST R, the ISO member body for Russia, has submitted to ISO a proposal for a new field of ISO technical activity on Roofing and waterproofing building materials, with the following scope statement:

Standardization of materials and components used for roofs design and construction processes, as well as materials used for waterproofing in construction.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (sot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on April 23, 2021.

International Organization for Standardization (ISO)

New Secretariats

ISO/TC 260 – Human Resource Management

Comment Deadline: March 26, 2021

The HR Certification Institute (HRCI) has requested to be delegated the responsibilities of the administration of the ISO/TC 260 secretariat. HCRI which will retain ANSI staff to perform direct administration services related to the ISO/TC 260 Secretariat. The secretariat was previously held by ANSI staff and the U.S. TAG to ISO/TC 260 has approved the secretariat transfer to HCRI.

ISO/TC 260 operates under the following scope:

Standardization in the field of human resource management.

Organizations wishing to comment on the delegation of the responsibilities should contact ANSI's ISO Team (isot@ansi.org).

New Secretariats

ISO/TC 96/SC 6 - Mobile Cranes

Comment Deadline: March 12, 2021

The Association of Equipment Manufacturers (AEM) has requested to delegate the responsibilities of the administration of the ISO/TC 96/SC 6 secretariat to ANSI. The secretariat was previously held by the American Society of Mechanical Engineers (ASME) and the secretariat transfer is supported by the U.S. TAG.

ISO/TC 96/SC 6 operates under the following scope:

Standardization of terminology, load rating, testing, safety, and general design principles of equipment and components used in the construction, inspection, maintenance and safe operation of mobile cranes.

Organizations wishing to comment on the delegation of the responsibilities should contact ANSI's ISO Team (isot@ansi.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.



**BSR/ASHRAE/IES Addendum b
to ANSI/ASHRAE/IES Standard 100-2018**

First Public Review Draft

**Proposed Addendum b to
Standard 100-2018, Energy
Efficiency in Existing Buildings**

**First Public Review (March 2021)
(Draft shows Proposed Changes to Current Standard)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed draft, 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 or guideline 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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(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

FOREWORD

This addendum adds energy efficiency measures to Informative Annex E, “Energy Efficiency Measures.”

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

Addendum b to Standard 100-2018

Modify Informative Annex E as shown. The remainder of Informative Annex E is unchanged.

INFORMATIVE ANNEX E—ENERGY EFFICIENCY MEASURES

E2. HVAC SYSTEMS

[...]

E2.3.16 Install a Fault Detection and Diagnostic system that utilizes *building* analytic algorithms to convert data provided by sensors and devices to automatically identify faults in *building* systems and provide a prioritized list of actionable resolutions to those faults based on cost or energy avoidance, comfort, and maintenance impact.

[...]

E5. ENERGY GENERATION, ~~AND~~ DISTRIBUTION, ~~AND~~ MONITORING

[...]

E5.5 Energy System Monitoring

E5.5.1 Install a metering system to monitor the electrical energy use for each of the major electrical energy using loads. These loads may include, but are not limited to, HVAC systems, water heating systems, cooking equipment, laundry equipment, interior lighting, exterior lighting, parking lots, parking ramps, elevators, escalators, and receptacle circuits.

E5.5.2 Install a metering system to monitor the fossil fuel energy use for each of the major fossil fuel energy using loads. These loads may include, but are not limited to, space heating systems, water heating systems, pool heating systems, cooking equipment, clothes drying equipment, gas lighting, outdoor equipment, and all other miscellaneous fossil fuel end-uses.

E8. ELECTRIC SYSTEMS, MOTORS

[...]

~~E8.2~~ — Install electrical meters for submetering lighting, elevators, plug loads, and HVAC equipment.

~~E8.3~~**E8.2** Reduce demand charges through load shedding, operational changes, and procedural changes.

~~E8.4~~**E8.3** Replace oversized electric motors with right-sized or slightly oversized motors.

~~E8.5~~**E8.4** Replace existing three-phase, 1 hp (746 W) and greater electric motors with premium-efficiency motors (often a better choice than rewinding motors).

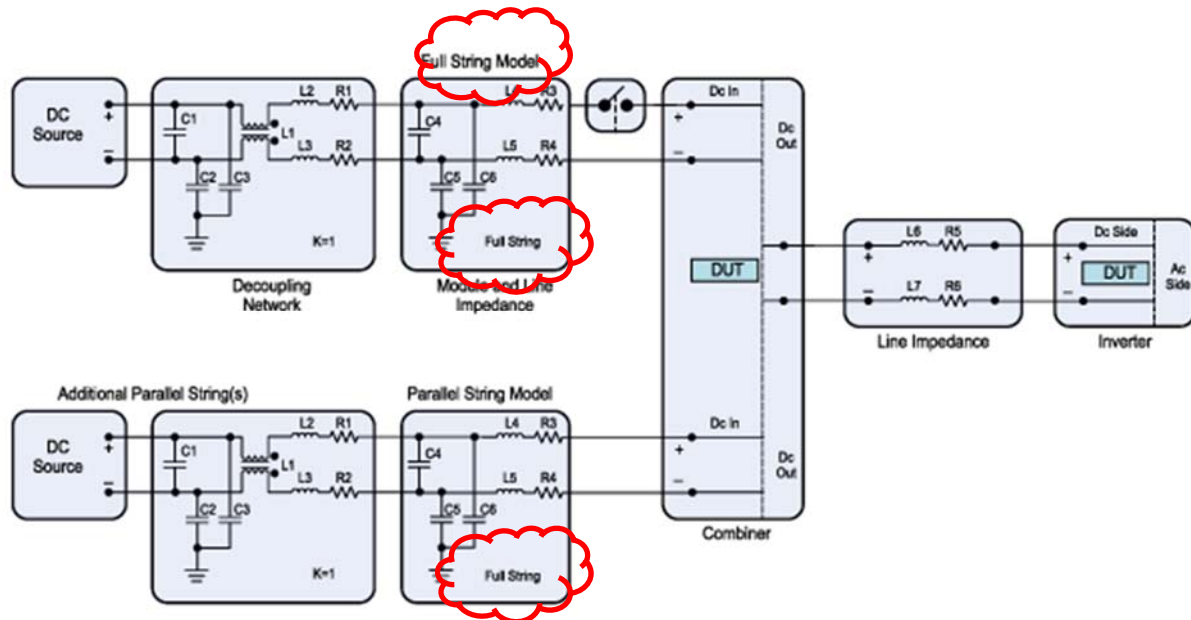
~~E8.6~~**E8.5** Replace existing one-phase, 1 hp (746 W) and less motors with electrically commuted motors.

UL 1699B, Standard for Photovoltaic (PV) DC Arc-Fault Circuit Protection

Proposed Changes

Figure 30.6B
Arc-fault combiner box

This figure will be revised to change “Full String Model” to “Parallel String Model” and “Full String” to “Parallel String”



NOTE:

If the combiner box is integrated in the inverter, R5, R6, L6 and L7 of the line impedance between combiner box and inverter are not required.

30.4.3 If the number of strings is odd, the mechanical disconnect switch shall be installed at the higher number of parallel strings, so that at least half of the strings are disconnected during the test.

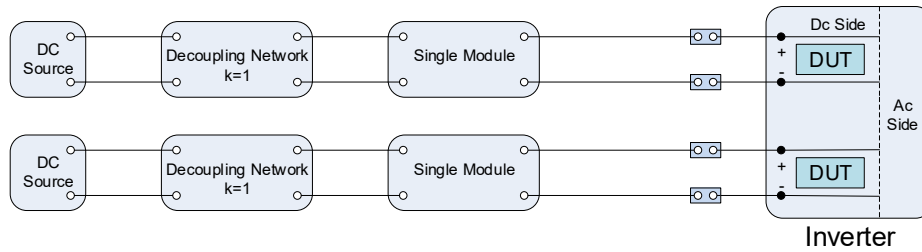
30.4.4 If the number of strings is three, one Parallel String Model shall be replaced by a Full String Model. The mechanical disconnect switch shall be installed in the Parallel String Model.

29.7.1 Test setup for electronic devices shall be as shown in Figures 29.17A.1 – 29.17A.4. For each module connected to the electronic device, a separate power supply or solar array/PV simulator shall be used. The power source shall be connected to a decoupling network and line impedance model. The model component values may be altered based on conditions specified in 24.4.

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Fig. 29.17A.2, Arc-Fault circuit, electronic device connected to two MPPT



NOTE: Where a DUT comprises several identical AFCI sensors or inputs, only one representative sensor or input must be tested.

Fig. 29.17A.3, Arc-fault circuit, electronic device connected to two modules in parallel

(CURRENT)

(PROPOSED)

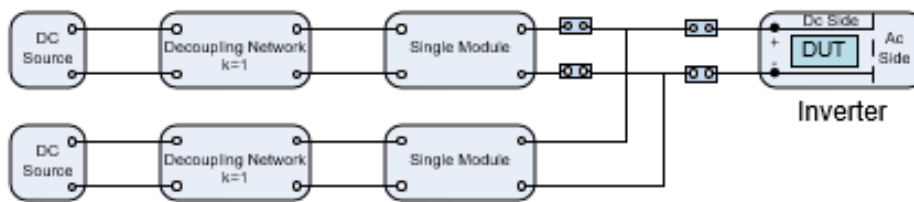
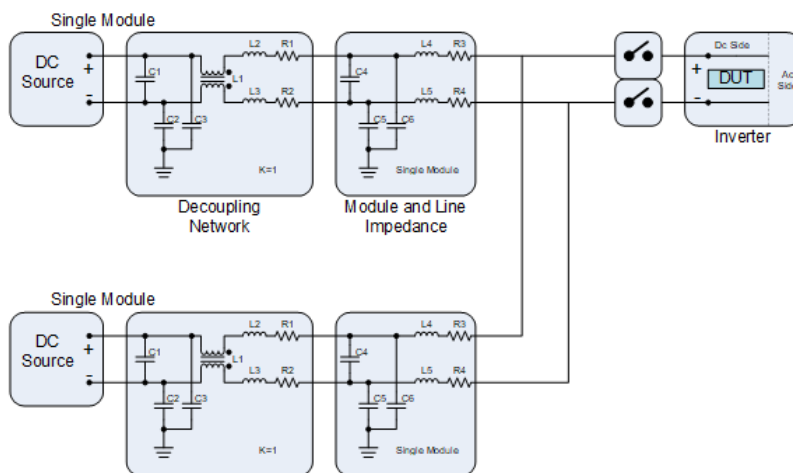


Figure 30.5A.3

Unwanted tripping circuit, electronic device connected to two modules in parallel

(CURRENT)

(PROPOSED)



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Table 29.3
Component values for arc-fault test circuits
Representing 80 meters of total conductor length, including PV module wiring for 10 modules in a string

Designator	Full string	Half string	Parallel string ^{1,2}	Single module	Details
C1	Minimum 20 uF				C1 shall be specified to dominate the output capacitance of the DC source
C2, C3	22 nF				
C4	150 nF and 10 uF	300 nF and 20 uF	150 nF * (n-1) and 10 uF * (n-1)	1.5 uF and 100 uF	See Note 3
C5, C6	1 nF	500 pF	1 nF * (n-1)	100 pF	
L1	12 mH				Common mode - minimal DC flux.
L2, L3	Minimum 60 uH				See Note 7.
L4, L5	50 uH +0.7 uH per meter above 80 meters	25 uH	50 uH / (n-1)	2 uH + 0.7 uH per meter	See Note 7.
R1, R2	Use Formula 1 to calculate value				
R3, R4	Max. 1 Ω			Max. 0.5 Ω	
R5, R6	10 mΩ / meter				
L6, L7	0.7 uH / meter				See Notes 6 and 7.
Note 1: The “n” in the parallel string column is the total number of strings, including the string under test.					
Note 2: The “Parallel String Value” column is the resulting value of each component when a single network is used to simulate multiple parallel strings.					
Note 3: Two values are shown for C4. Depending on the detection method used in the DUT, one of these values may represent the worst case condition. If agreeable to all concerned, testing may be reduced to only one of these values if it can be determined which value represents the worst case. Procedure for determining the worst case condition: Five measurements at each of the two C4 capacitor values are recorded. The worst case condition shall be the capacitor value resulting in the highest average trip time.					
Note 4: Where a DUT comprises several identical AFCI sensors or inputs, only one representative sensor or input must be tested.					
Note 5: Calculations resulting in floating point numbers for component values shall be rounded up to the next commercially available component value.					
Note 6: Refer to 24.4 for selecting component values when using a solar array/PV simulator.					
Note 7: Shall be air core <u>or constructed</u> to avoid saturation. Different values determined by operating limitations and appropriate ratings of DUT may be used if agreeable to all concerned.					
Formula 1: $R1 = R2 = R_{tot} / (2*k) - R3$ with k being the number of decoupling networks used in the setup for one string and R_{tot} taken from Table 29.2. For a string composed of two half strings, k=2, for a single full string k=1.					
The Line Impedance network simulates the high frequency behavior of the module. The DC behavior is simulated by the decoupling network. Resistors shall be sized within 10% of the value calculated according to the formula 1.					
* I_limit shall be the current limit of the DC source					

Table 30.1
Component values for unwanted tripping test circuits

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Designator	Full string	Parallel string ^{1,2}	Single module	Comments
C1	Minimum 20 uF			C1 shall be specified to dominate the output capacitance of the DC source
C2, C3	22 nF			
C4	150 nF and 10 uF	150 nF * n and 10 uF * n	1.5 uF and 100 uF	
C5, C6	$(180 \text{ nF} * \text{Inverter Power in kW}) / (2n)$	$(180 \text{ nF} * \text{Inverter Power in kW}) * (n-1) / (2n)$	$(180 \text{ pF} * \text{Inverter Power in W}) / 2$	See Note 3
L1	12 mH			Common mode - minimal DC flux.
L2, L3	Minimum 60 uH			See Note 6.
L4, L5	1 uH	1 uH / n	2 uH + 0.7 uH per meter	See Note 6.
R1, R2	Use Formula 1 to calculate value			
R3, R4	Max. 1 Ω		Max. 0.5 Ω	
R5, R6	10 m Ω / meter			
L6, L7	0.7 uH / meter			See Notes 5 and 6.
Note 1: The "n" represents the total number of strings, including the Full and the Parallel string.				
Note 2: The "Parallel String Value" column is the resulting value of each component when a single network is used to simulate multiple parallel strings.				
Note 3: If the manufacturer specifies a total maximum common mode capacitance C _{max} , then the following formulae may be used: C ₅ = C ₆ = C _{max} /(2*n) for the full string; and C ₅ = C ₆ = (C _{max} /2) * (1 - (1 / n)) for the parallel string.				
Note 4: Calculations resulting in floating point numbers for component values shall be rounded up to the next commercially available component value.				
Note 5: Refer to 24.4 for selecting component values when using a solar array/PV simulator.				
Note 6: Shall be air core or constructed to avoid saturation. Different values determined by operating limitations and appropriate ratings of DUT may be used if agreeable to all concerned.				
Formula 1: R ₁ = R ₂ = [R _{tot} - k*(R ₃ + R ₄)] / (2*k) with k being the number of decoupling or PV-networks used in the setup for one string and R _{tot} taken from Table 29.2.				

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BSR/UL 82, Standard for Safety for Electric Gardening Appliances

1. Revisions To Paragraph SA2.2 To Clarify The Application Of Test Requirements To Battery Powered Gardening Appliances With Respect To Accessible Parts And The Mold Stress Test

SA2.2 In reference to Indent A of Appendix D of UL 2595, except as indicated elsewhere in UL 2595, the following requirements in this end product standard do not apply or are amended as indicated below:

- a) The requirements in 5.3, 5.5, 5.6, 5.20, 5.21, and Sections 6, 7, 10, 13, 14, 16, 19 – 23, 26 – 33, 35, 37, 38 – 42, 45, 46, 48 – 51, 56, 58, 60, 62, 64, 67 – 85 do not apply in their entirety.
- b) The requirements in 1.1, 4.3 – 4.5, 4.7, 4.16, 4.19, 4.25, 4.26, 4.29, 4.30, 5.2.1, 5.4, 5.5.2, 5.9, 5.11, 5.12, 5.15, 5.17.3, 5.18, 5.19, 5.22, 5.23, 6.2.2, 15.1.10, 15.1.11, 15.2, 17.1, 17.2.2, 18.1, 18.5, 18.6, 35.1, 35.2, 44.1, 44.4, 44.5, 52.5, 52.6, 52.7, 53.6, 54.1.4 (c) – (g), 54.2.2 (a) and (b), 55.5, 63.5 and 65.4 do not apply.
- c) For 5.16 the overcurrent protection devices are specified in those cases where a fuse is used to comply with the requirements for Circuit Current Conditions of UL 2595.
- d) The requirements in Controls Using a Temperature Sensing Device, 25.4 and Controls Using a Temperature Sensing Device, Section 25.5 as they relate to protective controls is applicable unless compliance with the requirements for safety critical functions are determined. See SA2.8.
- e) The portions of Water Spray Test, Section 34 that require the outcome of conditioning or testing to comply with dielectric voltage withstand and/or leakage current, and the wetting of any electrical components, shall instead consider increased risk of injury to persons, fire or shock for those areas where the voltages are in excess of the hazardous voltage; see Section 8, Protection Against Electric Shock, of UL 2595.
- f) With reference to the requirements in Structural Integrity Test, Section 62.2, 40.3 and Throwback Test, Section 62.4, the test is to be conducted with a fully charged battery as specified in UL 2595.
- g) For Balance Test, Section 42 the test is to be conducted with the battery pack, if any, installed.
- h) The test specified in Resistance to Impact Test – Appliances, Section 44.2 applies to the appliance, but the acceptance/compliance criteria of 15.6 and 15.7 of the Mechanical Strength Test of UL 2595 shall be applied. With reference to 44.3.5, the repeated impact or drop test after conditioning is not required to be conducted.

i) For Permanence of Marking Tests, Section 47 a required marking on a pressure sensitive label that complies with UL 969, under the conditions of occasional exposure to oil, humidity, and water complies with this requirement.

j) For 52.2(c), the electrical rating in volts may be applied. Also see Section 6.2 of UL 2595.

k) In the application of 53.5, the marking only applies to products operating at hazardous voltages and shall be marked to indicate that such servicing or cleaning is to be done with the battery removed or disconnected, or the equivalent.

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BSR/UL 583, Standard for Safety for Electric-Battery-Powered Industrial Trucks

1. Proposed Revision To Paragraph 64.2 To Allow for Electronic Distribution of Installation Instructions For Field-installed Accessories

64.2 Installation instructions shall be provided on or with each accessory intended for field installation by qualified personnel. Electronic instructions are allowed if instructions on how to access them are supplied with each accessory.

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BSR/UL 1004-1, Standard for Safety for Rotating Electrical Machines - General Requirements

1. New requirements for Low Ambient Duty Motors

PROPOSAL

29A Low Ambient Duty Motors

29A.1 General

29A.1.1 These requirements apply to motors that are intended and marked for use in a prevailing ambient temperature lower than minus 10°C (14°F) but not lower than minus 50°C (minus 58°F) and intended to start under full load conditions.

29A.1.2 A motor intended for use in a low ambient temperature shall comply with the applicable requirements of UL 1004-1 supplemented by the requirements in 29A.2 – 29A.3 and Section 42A, Testing of Low Ambient Duty Motors.

29A.1.3 These requirements do not apply to fire pump motors, inverter duty motors, and electric generators.

29A.2 Greases and lubricants

29A.2.1 All greases and lubricants used with low ambient duty motors shall be suitable for the conditions of use and shall not contribute to the undue wear of bearings, bushings, and other rotating, sliding or moving parts.

NOTE: A declaration by the manufacturer of the greases and lubricants should be used in the determination that there is not undue wear of the lubricated parts.

29A.2.2 The viscosity of the greases and lubricants shall not contribute to a locked rotor condition when tested according to Section 42A, Testing of Low Ambient Duty Motors.

29A.3 Construction

29A.3.1 At the rated low ambient, thermal contraction of enclosure parts shall not result in an accessibility of uninsulated live parts, film-coated wire, and moving parts when evaluated in accordance to Section 13, Accessibility of Uninsulated Live Parts, Film-Coated Wire, and Moving Parts.

29A.3.2 Polymeric enclosures shall be evaluated in accordance with 9.4. Consideration shall be given to any reduction in the tensile strength of the enclosure over the ambient temperature range.

42A Testing of Low Ambient Duty Motors

42A.1 Conditioning

42A.1.1 The motor under test shall be conditioned at the rated low ambient temperature for a minimum of 3 hours for motors that are a frame size of 160 and smaller. For larger frame sizes,

the time for conditioning shall be increased relative to the frame size and thermal mass of the motor but need not exceed 24 hours for a frame size up to 1080.

42A.2 Motors intended for across-the-line starting

42A.2.1 Following the conditioning specified in 42A.1, a motor intended for across-the-line starting shall be removed from the conditioning chamber and operated from a supply of rated voltage and rated frequency and loaded to deliver rated output. Overload and overcurrent protective devices shall be rated and set as per the manufacturer's recommendations for Design A motors or as per the National Electrical Code, NFPA 70, Article 430, or the Canadian Electrical Code, Part I, Section 28 for Design B, C, and D motors.

42A.2.2 The supply voltage, frequency, locked rotor current, full load amperes, the time required for the input current to reduce to full load amperes, and the temperature of the stator windings or motor enclosure shall be recorded. At the beginning of the test, the stator windings or motor enclosure shall be within ± 1 °C of the minimum ambient temperature rating.

42A.2.3 The motor shall be reconditioned at the rated low ambient temperature for not less than 30 minutes and the testing in 42A.2.1 and 42A.2.2 shall be repeated for a total of five starting operations. Except as noted in Exception 1, neither the motor overcurrent device nor the motor overload device shall open the motor branch circuit during the five starting operations. An instantaneous locked rotor current that exceeds the nominal six times full load current and does not cause the overload protective device to interrupt the current shall be considered acceptable.

Exception 1: During one of the five starting operations, if either the motor overcurrent protective device or the motor overload protective device opens the motor branch circuit, it shall be permissible to perform another five operations. During the five subsequent operations, neither the motor overcurrent protective device nor the motor overload protective device shall be permitted to open the motor branch circuit.

Exception 2: Where an overcurrent device rated in accordance with Article 430 of the National Electrical Code, NFPA 70, or Rule 28-200, Subrule (3) (a) of the Canadian Electrical Code, Part I will not permit the motor to start, the rating or setting of the overcurrent device shall be permitted to be increased in accordance with Rule 430.52 of the National Electrical Code, NFPA 70, or Rule 28-200, Subrule (4) of the Canadian Electrical Code, Part I.

42A.2.4 Following the five starting operations, the motor shall be subjected to the Dielectric Voltage-Withstand Test of Section 37. This test may be conducted with the motor at room temperature.

MARKINGS

44.14 Motors intended for use at low ambient temperatures shall be marked with the following or equivalent: "Minimum Ambient Temperature _____ °C".

BSR/UL 1738, Standard for Safety for Venting Systems for Gas-Burning Appliances, Categories II, III, and IV

TOPIC 1 - Section 16 – General

PROPOSAL

16.3 With regard to the requirements of 16.2, acceptable for intended use includes the following:

- a) No part of the venting system shall be damaged or permanently distorted to an extent that it or the assembly does not continue to function as intended.
- b) The effectiveness of any required corrosion protective coating or finish shall not be impaired, and the coating or finish shall not be damaged.
- ~~e) Cracks shall not be observable in porcelain enamel used as a required protective coating when the surface is examined under a microscope of 60 magnification.~~
- ~~e)c)~~ The reflectivity of a surface shall not be impaired if the reflectivity of such surface is utilized to reduce the risk of fire.
- ~~e)d)~~ The effectiveness of thermal insulation ~~insulating material~~ shall not be reduced, see 16.4.
- ~~f)e)~~ Burning or scaling of metal parts shall not be evident upon visual observation.
- ~~g)f)~~ Nonmetallic parts shall not have softened, melted, distorted, creped, or moved in relation to other components.
- ~~h)g)~~ Sealing materials or tape at joints shall not be deteriorated.

TOPIC 2 - Section 17 – Test Installations

PROPOSAL

Test Installations

17.1 The test installation for a venting system is to be based on the following factors:

- a) Size and shape (round, oval, or other).
- b) Height of a vertical venting system and length of a horizontal venting system.
- c) Minimum clearance to combustible construction.
- d) Enclosure in stud space.
- e) Single or multistory building or buildings.
- f) Temperature rating.

17.2 The general form for a test structure for a venting system installed vertically is illustrated in Figure 17.12. Test structure details for various venting system features and designs are illustrated in Figure 17.1 – Figure 17.34.

~~Figure 17.1~~ [DELETED]

Figure 17.12

Typical test structure – vertical installation ~~installation~~

Figure 17.~~23~~

Figure 17.~~34~~

17.3 A venting system intended for installation through a wall is to be tested as illustrated in ~~Figure 17.1 and~~ Figure 17.~~34~~. The installation is to include all spacers, supports, flashings, and other components described in the installation instructions.

17.7 A vent gas generated as illustrated in Figure 17.~~56~~, or equivalent heat producing assembly such as that illustrated in Figure 17.~~67~~, is to be used to achieve the vent temperatures at 70°F (38.8°C) above the temperature rating of the venting system. Dilution air is to be introduced into the test assembly necessary to maintain the specified temperatures.

Figure 17.~~45~~

Figure 17.~~56~~

Figure 17.~~67~~

17.8 For a vent gas generator, a premix type burner assembly, ~~such as an Eclipse brand, or the equivalent,~~ capable of supplying a stoichiometric air-gas mixture is to be used. Combustion is to be complete within the horizontal straight length of the generator combustion chamber. The insulated generator outlet is to be connected directly to the inlet of the test venting system using the manufacturer's specified connector parts.

17.9 A vertically installed venting system is to be installed as shown in Figure ~~17.2-17.1~~, and totally encased for its full height within all stories and attic space, except for the level on which the generator is installed. Venting systems are to be tested on the basis of clearance from the enclosure as specified by the installation instructions and measured between the outer surface of the venting system sections and the interior surfaces of the enclosing material. These clearances are designated by the dimensions "X" in Figure ~~17.2-17.1~~ and Figure 17.~~45~~. The vent enclosure material is to be 3/8 inch (9.5 mm) thick plywood, and is to be closed at each floor-joist level by the installation of a manufacturer's firestop or firestop-spacer assembly. Such assemblies are to be placed at the ceiling line of each floor joist level, except that at the joist level serving the attic space the assembly may be placed on top of the attic space floor material.

17.10 The test enclosure material at each floor joist level is to be of trade size 2 by 8 inch [nominal 1-1/2 by 7-1/4 inches (38 by 140 mm)] lumber, forming a box placed at zero clearance to the vent sections or to a manufacturer's support or firestop-spacer assembly. The test enclosure material at the roof-joist level is to be of trade size 2 by 6 inch [nominal 1-1/2 by 5-1/2 inch (38 by 184 mm)] lumber forming a box placed at the clearance specified in the installation instructions for enclosures or at the lesser clearance required to provide support means for a roof assembly. See Figure ~~17.2-17.1~~. All ceiling, floor, and roof material is to be cut flush with the inside of all framed joist openings.

18.2 Vent gas temperatures

18.2.1 Vent gas temperatures are to be determined for the Temperature Test – Structure, Section 19, by a thermocouple, see Figure 18.1, located as illustrated in Figure 17.1 – Figure 17.34.

18.3.4 The ambient temperature in Zone A (see Figure 17.1 – Figure 17.34) is to be the ambient temperature at the level of the vent gas generator.

18.3.5 The ambient temperature in Zone B (see Figure 17.1) is to be determined by a thermocouple located 2 feet (0.6 m) away from the centerline of the enclosure and 4 feet (1.2 m) above the floor.

18.3.9 A minimum number of typical thermocouple locations on wood surfaces is shown in Figure 17.1, ~~Figure 17.2,~~ and Figure 17.34. Additional thermocouples are to be used if necessary because of the construction and method of installation.

34.3 The vent assembly is then connected to a heat producing assembly as shown in Figure 17.56 or Figure 17.67. The assembly is to be heated to 70°F (38.8°C) above the rated temperature for 3 hours.

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BSR/UL 61058-1, Standard for Switches for Appliances – Part 1: General Requirements

Table 16 – Minimum requirements for capacitors

Application of capacitors		Types of capacitors (according to IEC 60384-14)		
		$U_n \leq 130 \text{ V}$	$130 \text{ V} < U_n \leq 480 \text{ V}$	
			Without overcurrent protection ¹⁾	With overcurrent protection ¹⁾
Between live conductor (L or N) and earth (PE)		Y4	Y2	Y2
Between live conductors (L and N or L1 and L2)				
	– without impedance in series	X2	X2	X2
	– with impedance in series which, by short-circuiting of the capacitor, limits the current to a value			
	• of 0,5 A and higher	X3	X2	X3
	• below 0,5 A	No special requirement	No special requirement	No special requirement

¹⁾ Fusing resistor (built-in or external).

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Substantive changes made to ANSI/ASB Standard 036-2019:

- Section 7.2 item c “dilution integrity (if applicable)” deleted
- Section 7.3 item d “dilution integrity (if applicable)” deleted
- Section 7.4 item e “dilution integrity (if applicable)” deleted
- Section 8.1 shall statement revised “All validation experiments shall be conducted using fortified ~~matrix~~ samples for each matrix type which the method is intended, unless otherwise noted.”
- Section 8.1 New shall statement “For example, a method with a scope to analyze both postmortem blood and urine specimens shall include complete validation experiments using fortified blank postmortem blood samples and complete validation experiments using fortified blank urine samples.”
- Section 8.2.2.2 shall statement revised “At a minimum, precision at the immunoassay’s decision point (i.e. cutoff concentration) shall be assessed for the target analyte using three separate samples from three different concentration pools over five different runs:”
- Section 8.2.2.2 shall statement added “Additionally, for ELISA assays, at least one negative sample per run shall be analyzed to establish B_0 .”
- Section 8.2.2.3.1 shall statement revised “At a minimum, precision shall be assessed using ~~three different samples~~ triplicate analyses per concentration ~~at three different concentration pools~~ pool (low, medium, and high) over five different runs.”
- Section 8.3 new shall statement “The replicates to establish the calibration model ~~shall~~ may be in the same or separate runs. All data points from the five replicates runs shall be plotted together (using statistical software package) to establish the calibration model.”
- Section 8.7.1 shall statement deleted “~~Further, the defined LOD shall satisfy the necessary parameters for identification.~~”
- Section 8.7.2 new shall statement “The experiments performed to assess precision (Section 8.2.2.2) shall be used to demonstrate a suitable LOD has been determined. The replicates for analytes with cross-reactivities at or below the target analyte (n=15) must show an average that indicates a “positive” response compared to the target analyte.”
- Section 8.7.2 Estimating LOD for Immunoassays – shall statements added or revised:
 - “Most of these assays are known to cross-react with numerous drugs (e.g. benzodiazepines, opiates, amphetamines) and metabolites.”
 - “When a laboratory declares to their customers that they are able to detect specific analytes demonstrating low cross-reactivity (less than or equal to the target analyte) using the immunoassay, they shall verify their ability to reliably detect these compounds.” The words “they shall” were in redline format.
 - “If a laboratory uses the decision point (i.e. cut-off concentration) determined by the manufacturer, the laboratory shall mathematically estimate the LOD concentration for any benzodiazepines that cross-react at less than 100% and that they declare to their customers they are able to detect with the immunoassay.”

Substantive changes made to ANSI/ASB Standard 036-2019:

- “In contrast, if a laboratory uses a different decision point than that recommended by the manufacturer of an immunoassay kit, the laboratory shall experimentally determine the LOD of the other benzodiazepines in the panel with cross-reactivities at or below that of the target analyte.”
- Section 8.7.3 shall statement revised “To estimate the LOD for a non-instrumental method, at least three different blank matrix sources ~~samples~~ fortified with decreasing concentrations of analyte shall be analyzed over a minimum of three runs.”
- Section 8.7.4 shall statement revised “~~A minimum of three samples per run of the lowest calibrator shall each be analyzed over~~ For each matrix type, at least three different blank matrix sources shall be fortified with the analyte at the concentration of the lowest calibrator and analyzed over a minimum of three runs to demonstrate that all detection and identification criteria are met.”
- Section 8.7.5 shall statement revised “~~A minimum of three samples per run of a fortified matrix sample at the concentration of the decision point shall be analyzed over~~ For each matrix type, at least three different blank matrix sources shall be fortified with the analyte at the concentration of the decision point and analyzed over a minimum of three runs to demonstrate that all detection and identification criteria are met.”
- Section 8.8.2 shall statement revised “~~A minimum of three samples per run of the lowest calibrator shall be analyzed over~~ For each matrix type, at least three different blank matrix sources shall be fortified with the analyte at the concentration of the lowest calibrator and analyzed over a minimum of three runs to demonstrate that all detection, identification, bias, and precision criteria are met.”
- Section 8.8.3 shall statement revised “~~A minimum of three samples per run of a fortified matrix sample at the concentration of the decision point shall be analyzed over~~ For each matrix type, at least three different blank matrix sources shall be fortified with the analyte at the concentration of the decision point and analyzed over a minimum of three runs to demonstrate that all detection, identification, bias, and precision criteria are met.”

OPEI Limited Substantive Change Review – ANSI/OPEI B175.3-2019

In response to the consensus body comments received during the original ballot period, OPEI included in the final publication of ANSI/OPEI B175.3-2019 a limited number of changes determined to be substantive during ANSI's 2021 audit review. Per OPEI and ANSI procedures, all substantive changes must complete consensus body and public review before OPEI can submit the standard for ANSI process approval. In response, OPEI has initiated this limited substantive changes 30-day public review.

Deletions are identified by ~~red strikethrough~~ and additions are identified by red underline. Comments regarding these limited substantive changes must be submitted to Greg Knott, gknott@opei.org, by the deadline identified by ANSI with this listing.

2 Normative References

~~The following standards contain provisions which, through reference in this text, constitute provisions of this American National Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this American National Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.~~

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

...

IEC 61032 Ed. 2.0b b Cor.1:2003, Protection of Persons and Equipment by Enclosures – Probes for Verification

...

UL 60745-1 First Edition (IEC 60745-1:2006), Hand-Held Motor-Operated Electric Tools - Safety - Part 1: General Requirements

13 Harnesses

...

13.3.5 If a quick-release mechanism is provided, ~~its operation shall be verified by performing a release test. The release test shall be conducted by wearing the harness and applying a vertical load of three times the machine dry weight of the machine in the suspension point it shall release, by deliberate action, when a vertical load three times the dry weight of the unit is applied to the suspension point while wearing the harness.~~

OPEI Limited Substantive Change Review – ANSI/OPEI B175.4-2018

In response to the consensus body comments received during the original ballot period, OPEI included in the final publication of ANSI/OPEI B175.4-2018 a limited number of changes determined to be substantive during ANSI's 2021 audit review. Per OPEI and ANSI procedures, all substantive changes must complete consensus body and public review before OPEI can submit the standard for ANSI process approval. In response, OPEI has initiated this limited substantive changes 30-day public review.

Deletions are identified by **red strikethrough** and additions are identified by **red underline**. Comments regarding these limited substantive changes must be submitted to Greg Knott, gknott@opei.org, by the deadline identified by ANSI [with this listing](#).

2 Normative References

...

ANSI B7.1-2017, Safety requirements for the use, care, and protection of abrasive wheels

3 Definitions

3.1. Abrasive cut-off wheel

An abrasive wheel designed to be used on portable handheld cut-off machines with dimensions and provisions as given in this standard.

Speeds of abrasive cut-off wheel(s) used on portable handheld cut-off machines in this standard shall correspond to Section 7 of ANSI B7.1, Special Speeds, for wheel speeds exceeding 80 m/s (15748 fpm).

Note – Tests in this standard should be conducted with wheels that comply with ANSI B7.1 unless otherwise noted.

4 Safety requirements

4.1 Speeds

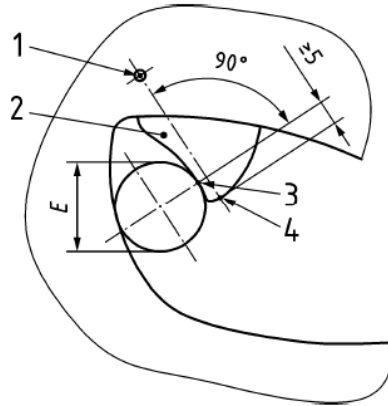
The engine speed shall be limited so that the machine will not operate in excess of maximum spindle speed as specified in the operator's manual. Engine speed limitation shall be verified by inspection and measurement. Spindle speed shall be measured at the spindle and not be calculated. Speed measurement instruments shall have a minimum accuracy of ± 3 percent.

OPEI Limited Substantive Change Review – ANSI/OPEI B175.4-2018

4.2 Handles

...

Dimensions in mm



Key

- 1 Pivot point
- 2 Throttle trigger
- 3 Contact point
- 4 Intersection point

NOTE

- step 1: put gauge E to the uppermost position between housing and throttle trigger;
- step 2: define contact point with throttle trigger;
- step 3: connect a line between the center of the gauge and the contact point and extend into the direction of the throttle trigger;
- step 4: add a perpendicular line to this line which intersects the pivot point of the throttle trigger.

Figure 6 – Finger clearance at released throttle control. Refer to Table 1 for E dimension.

OPEI Limited Substantive Change Review – ANSI/OPEI B175.4-2018

7 Operator’s manual(s)

...

7.3 Usage Information

The operator’s manual shall include the following information:

...

- Information about the existence of cut-off wheel standards.

7.4 Precautions and Warnings

Instructions on safe use of the machine in the operator’s manual shall include the following:

...

- Warning against the use of wheels that are not compliant with existing cut-off wheel standards.

...