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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.

AMPP (Association for Materials Protection and Performance)

15835 Park Ten Place, Houston, TX 77084 www.nace.org

Contact: Richard Southard; rick.southard@nace.org

National Adoption

BSR/NACE MR0175/ISO 15156-202x, Petroleum and natural gas industries - Materials for use in H2S-containing environments in oil and gas production (identical national adoption of ISO 15156:2020 and revision of BSR/NACE MR0175/ISO 15156-202x)

Stakeholders: Oil and gas producers, operators, laboratories, and consultants.

Project Need: The ISO standard has been revised; this is for the identical back-adoption of the revised ISO standard.

Scope: This standard is in three parts, and all three parts describe requirements for materials for use in H2S-containing environments in oil and gas production. The first part describes the general principles for selection of cracking-resistant materials. The second part describes cracking-resistant carbon and low-alloy steels, and the use of cast irons. The third part describes cracking-resistant CRAs (corrosion-resistant alloys) and other alloys.

ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Park, IL 60526-5592 www.ans.org

Contact: Steve Reese; steve.reese@oregonstate.edu

Revision

BSR/ANS 15.11-202x, Radiation Protection at Research Reactor Facilities (revision of ANSI/ANS 15.11-2016)

Stakeholders: Both DOE and NRC licensed research reactors.

Project Need: The current standard needs to be revised to reflect changes in regulation and timely review of applicability.

Scope: This standard identifies the elements of radiation protection programs at research reactor facilities. It provides guidance on facility design, monitoring, administration, and survey criteria relevant to research reactors.

ASTM (ASTM International)

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

Contact: Laura Klineburger; accreditation@astm.org

New Standard

BSR/ASTM WK76497-202x, New Specification for MRS-Rated Metric- and Inch-sized Crosslinked Polyethylene (PEX) Pipe for Gas Distribution Applications (new standard)

Stakeholders: Gas industry.

Project Need: This standard uses the ISO MRS method instead of the HDB method to determine the design pressure.

Scope: Develop a new ASTM standard for PEX pipe used in gas distribution applications. This standard uses the ISO MRS method to determine the design pressure.

FM (FM Approvals)

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

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

New Standard

BSR/FM 3971-202x, Fire Protective Coatings and Wraps for Grouped Cable (new standard)

Stakeholders: Building code officials, manufacturers, consultants, loss-prevention engineers, insurance agencies.

Project Need: An American National Standard is needed to address the ability of a coating or wrap to reduce ignition of the grouped cables and limit spread of flame along the grouped cables. It is not intended to evaluate the de-rating of the cables due to the coating or wrapping.

Scope: This standard applies to fire-protective coatings and wraps intended to be applied over grouped cables for the purposes of reducing ignition of the grouped cables from external fire sources and limiting spread of flame along the grouped cables. It is intended to evaluate coatings and wraps in direct contact with cables and does not apply to wraps covering partially filled cable trays. This standard is intended to evaluate only those hazards investigated and is not intended to determine suitability for the end use of a product.

FM (FM Approvals)

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

New Standard

BSR/FM 3972-202x, Cable Fire Propagation (new standard)

Stakeholders: Manufacturers, consultants, loss-prevention engineers, plant engineers, transportation supervisors.

Project Need: An American National Standard is needed to address the ability of the cable assembly to limit the flame propagation.

Scope: This standard applies to classification for cable fire propagation characteristics. It is intended to test electrical and optical cables, called cables in this standard. Cables are classified as GP-1 based on test results determined by a non-self-sustained flame propagation index less than 10. This standard does not assess the cable's ability to provide circuit integrity when the cable is subjected to a fire source. This standard does not evaluate for corrosive gases from ignitable materials used in the cable assembly.

FM (FM Approvals)

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

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

New Standard

BSR/FM 4475-202x, Class 1 Steep Slope Roof Covers (new standard)

Stakeholders: Commercial and industrial building end users, building code officials, AHJ's, manufacturers, architects, consultants, loss-prevention engineers, insurance companies/agencies.

Project Need: To create an American National Standard for class 1 steep-slope roof covers.

Scope: This standard sets the performance requirements for Class 1 steep-slope roof covers under simulated laboratory conditions. The standard sets the performance requirements for steep-slope roof covers when exposed to various natural hazards such as high wind events, the impact of hail, and the possible degradation effects of sunlight. The standard also assures that the roof cover is effective in resisting fire spread and penetration when tested as it relates to fire from above and below the structural deck. This standard is intended to evaluate only those hazards investigated and is not intended to determine suitability for the end use of the product.

FM (FM Approvals)

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

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

New Standard

BSR/FM 4481-202x, Anchors for roof-mounted equipment (new standard)

Stakeholders: Building code officials, manufacturers, architects, consultants, loss-prevention engineers, insurance agencies.

Project Need: An American National Standard is needed to address the ability of anchor systems for their performance in regard to simulated wind uplift, and leakage and corrosion of metal parts. It is not intended to evaluate roof-mounted anchors used to secure rigid photovoltaic module systems.

Scope: This standard applies to all anchors intended to secure roof-mounted equipment to a substrate except roof-mounted anchors used to secure rigid photovoltaic module systems. The standard evaluates anchor systems for their performance in regard to simulated wind uplift, leakage, and corrosion of metal parts. This standard is intended to evaluate only those hazards investigated and is not intended to determine suitability for the end use of a product.

FM (FM Approvals)

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

New Standard

BSR/FM 4652-202x, Debris Barriers (new standard)

Stakeholders: Building code officials, manufacturers, consultants, roofing contractors, loss-prevention engineers, insurance agencies, plant engineers.

Project Need: An American National Standard is needed to address the ability of the debris barrier to melt out or drop out and not delay the buildings' sprinkler system. Debris barriers installed below an automatic sprinkler system can impede the operation of automatic sprinklers and their water distribution. By acting as an insulator, the debris barrier may delay sprinkler operation. By obstructing sprinkler water flow and distribution, the debris barrier may contribute to fire spread at floor level and subsequent building damage.

Scope: This standard sets the performance requirements of debris barriers. A debris barrier is a thin layer of material, typically plastic, that is installed near ceiling level to protect occupancies from debris during re-cover and/or re-roofing applications. These products are designed to be heat sensitive and, when exposed to high heat, promptly melt out, drop out, or disengage from their attachment points quickly enough to minimize interference with the operation of automatic sprinklers above. Specifically, this standard addresses the ability of the debris barrier to melt-out or drop out to allow prompt and unobstructed sprinkler water flow.

FM (FM Approvals)

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New Standard

BSR/FM 4883-202x, Insulated Wall Curtain Products (new standard)

Stakeholders: Building code officials, manufacturers, architects, consultants, loss-prevention engineers, insurance agencies.

Project Need: An American National Standard is needed to address fire performance requirements for insulated wall curtain products for use as modular workspace area separators in general-use and smoke-sensitive occupancies.

Scope: This standard describes fire performance requirements for insulated wall curtain products for use as modular workspace area separators in general use and smoke-sensitive occupancies. These products shall not be installed against a substrate. These products shall be tested with specific height installation requirements, ceiling construction requirement,s and smoke generation requirements.

FM (FM Approvals)

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New Standard

BSR/FM 4884-202x, Panels Used in Data Processing Center Hot and Cold Aisle Containment Systems (new standard)

Stakeholders: Commercial and industrial building end users, building code officials, AHJ's, manufacturers, data-processing-center facility managers, architects, consultants, loss-prevention engineers, insurance companies/agencies.

Project Need: An American National Standard is needed as containment panels are being used more frequently as the data processing center industry continues to expand. The sensitive nature of the equipment they are surrounding requires containment panels to be resistant to flame spread and smoke production.

Scope: This standard sets the performance requirements for panels used in a data processing center hot and cold aisle containment systems. Panels used in data processing center hot and cold aisle containment systems are used to separate hot and cold air flow around electronic server equipment. Containment panels, as they may be referred to, are also used to fill in gaps between equipment or cabinets. This standard examines the fire propagation and smoke production characteristics of panels used in data processing center hot and cold aisle containment systems. This standard also examines material properties of panels used in data processing center hot and cold aisle containment systems, including the transparency level, density, infrared spectra, and thermal desorption gas chromatography mass spectrometry (TD/GC/MS). This standard is intended to evaluate only those hazards investigated and is not intended to determine suitability for the end use of the product.

FM (FM Approvals)

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

New Standard

BSR/FM 6011-202x, Portable Pumps (Manual, Pneumatic and Electric) for Handling Ignitable Liquids (new standard)

Stakeholders: Building code officials, manufacturers, ignitable-liquid end users, consultants, loss-prevention engineers, insurance agencies.

Project Need: An American National Standard is needed for the reliability and requirements of portable pumps for handling ignitable liquids.

Scope: This standard applies to portable pumps (manual, pneumatic, and electric) for handling ignitable liquids used to transfer ignitable liquids from drums or IBCs to other containers. This standard is intended to evaluate the discharge rate of the pump and the reliability and the priming rate of the pumps.

FM (FM Approvals)

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

New Standard

BSR/FM 6063-202x, Diesel Fuel Maintenance Systems (new standard)

Stakeholders: Any public or private property owners that store diesel fuel for an extended period of time. The intent of this standard is to extend the storage life and maintain the integrity of diesel fuel that powers emergency equipment and backup utilities. Stakeholders (beneficiaries) would include the general public, commercial building owners, and insurance companies.

Project Need: Diesel fuel maintenance systems are intended to be automated equipment designed to remove water, particulate, fungi, and bacteria from stored diesel fuel through filtration and fluid separation. This equipment is standalone and self-diagnosing, monitoring each stage of filtration and designed to shut down and provide an audible alarm and/or a visual signal should the equipment need attention. The equipment is designed to maintain the integrity of clean diesel fuel, extending the fuel life expectancy and storage life. This standard was developed to address that need.

Scope: The standard encompasses the design and performance requirements for diesel fuel maintenance systems for use with stored diesel fuel in order to ensure proper performance of stationary diesel engines despite being idle for extended periods. This would include stored diesel fuel supplies for emergency power systems and diesel engine driven fire pump applications. Stationary fuel filtration and fuel polishing systems may be evaluated using this standard. Mobile filtration systems are not included within the scope of this standard.

FM (FM Approvals)

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New Standard

BSR/FM 6082-202x, Safety Bungs (new standard)

Stakeholders: Building code officials, manufacturers, consultants, loss-prevention engineers, insurance agencies, plant engineers.

Project Need: An American National Standard is needed to address the ability of the safety bung to relieve built-up pressure within the drum, preventing the drum from explosion (BLEVE), and reducing any fire propagation to the surrounding area.

Scope: This standard applies to safety bungs for use in conjunction with drums containing ignitable liquids. It is intended to evaluate safety bungs in direct contact with ignitable vapors within the drum preventing the drum from bursting during a fire event.

FM (FM Approvals)

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

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

New Standard

BSR/FM 6083-202x, Plastic Plugs for Steel Drums (new standard)

Stakeholders: Manufacturers, consultants, loss-prevention engineers, plant engineers, transportation supervisors.

Project Need: An American National Standard is needed to address the ability of the plastic plug to relieve built-up pressure of no greater than 20 psi (140kPa) within the drum during a fire exposure of ignitable liquids.

Scope: This standard applies to plastic plugs intended to be used with steel drums containing ignitable liquids. The plastic plugs are used in conjunction with steel drums having either a tight-head (DOT/UN Spec 1A1) or removable-head (DOT/UN Spec 1A2) design. The plastic plugs are used on drums in transit or in storage. These plastic plugs are designed to reduce the potential of a violent drum failure during a fire exposure. The intended drum shall not exceed 60 gal. (227L) capacity and must have two threaded fittings installed in the top head of the drum. At least one opening shall be 2 in. pipe thread dimension.

FM (FM Approvals)

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New Standard

BSR/FM 6090-202x, Ignitable Liquid Drainage Floor Assemblies (new standard)

Stakeholders: Building code officials, manufacturers, architects, consultants, loss-prevention engineers, insurance agencies.

Project Need: An ANSI standard is needed to address the ability of the ignitable liquid drainage floor assembly to prevent or minimize the consequences of an ignitable liquid pool fire or hazardous liquid spill in commercial and/or industrial applications. It is not intended to evaluate the ancillary devices used to form the entire system for the complete detection and evacuation of the ignitable liquids to a remote holding area.

Scope: This standard describes performance requirements for ignitable liquid drainage floor assemblies. Ignitable liquid drainage floor assemblies are one component of an ignitable liquid drainage system where the intended purpose of the overall system is to collect, direct, and transfer any ignitable liquid that has been spilled into a specific area or areas where it can be pumped to a remote storage location. Such a system must be capable of functioning whether or not the liquid has ignited.

FM (FM Approvals)

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Contact: Patrick Byrne; patrick.byrne@fmaprovals.com

New Standard

BSR/FM 6350-202x, Examination Standard for Ultrasonic Leak Detectors (new standard)

Stakeholders: Building code officials, manufacturers, architects, consultants, loss-prevention engineers, insurance agencies.

Project Need: An American National Standard is needed to address the general requirements for construction, testing and performance, and describes the test methods that apply to portable, transportable, and fixed apparatus for the detection of ultrasonic noise generated by gas leaks from pressurized systems.

Scope: This standard describes the general requirements for construction, testing, and performance, and describes the test methods that apply to portable, transportable, and fixed apparatus for the detection of ultrasonic noise generated by gas leaks from pressurized systems.

FM (FM Approvals)

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

Contact: Patrick Byrne; patrick.byrne@fmaprovals.com

New Standard

BSR/FM 6510-202x, Examination Standard for Condition Monitoring System for Switchgear Equipment (new standard)

Stakeholders: Building code officials, manufacturers, architects, consultants, loss-prevention engineers, insurance agencies.

Project Need: An American National Standard is needed to address Switchgear assets that are subject to overheating in the field due to overload conditions, corrosion, loosening of connections over time and extreme temperature and humidity conditions. This increase in heat can complicate thermal efficiency which can lead to thermal failure of nearby insulation. The early detection of temperature, humidity, and partial discharge of insulation can greatly increase the life of this equipment and prevent damage from occurring or getting worse. Applications of Condition Monitoring Systems may be used in such locations as remote substations, switchgear, ISO-phase/bus ducts, Generator PT cabinets, liquid-filled transformers and generator circuit breaker enclosures.

Scope: This standard state testing and certification requirements for Condition Monitoring of Switchgear Equipment as defined below.

Class I – monitoring system that collects data and provides warning/alert outputs based on thresholds.

Class II – monitoring system that collects data and provides warning/alert outputs based on thresholds and can communicate with other systems to transmit monitoring data.

Class III – most advanced monitoring system configuration includes all capability of Classes I&II with the addition of analytical capability of early detection of a potential problem (uses additional informational data such as load, temp conditions, and pattern recognition).

FM (FM Approvals)

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

Contact: Patrick Byrne; patrick.byrne@fmaprovals.com

New Standard

BSR/FM 6520-202x, Examination Standard for Dissolved Gas Analyzers for Measuring Gases within Transformer Fluids (new standard)

Stakeholders: Building code officials, manufacturers, architects, consultants, loss-prevention engineers, insurance agencies.

Project Need: An American National Standard is needed to address the performance requirements for both a single- and a multi-gas analyzers used to evaluate the condition of transformers by determining the gases absorbed into the Transformer's fluids.

Scope: This standard describes performance requirements for both a single- and a multi-gas analyzers used to evaluate the condition of transformers by determining the gases absorbed into the Transformer's fluids.

FM (FM Approvals)

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

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

New Standard

BSR/FM 6930-202x, Fire Performance of Industrial Fluids (new standard)

Stakeholders: Commercial- and industrial-building end users, power generation, manufacturers, consultants, loss-prevention engineers, insurance companies/agencies.

Project Need: To create an American National Standard for fire performance of industrial fluids.

Scope: This standard sets the fire performance requirements for industrial fluids. The standard applies to finished industrial fluids used as, but not limited to, lubricants, hydraulic power transmission, turbine governor control, heat transfer, and cooling fluid in industrial equipment systems. The tests conducted are intended to simulate conditions that may occur while the fluid is in use. The performance requirements are based on the fire performance specific to the industrial fluid type. This standard is intended to evaluate only those hazards investigated and is not intended to determine suitability for the end use of the product.

FM (FM Approvals)

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

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

New Standard

BSR/FM 6933-202x, Transformer Fluids (new standard)

Stakeholders: Commercial- and industrial-building end users, power generation, manufacturers, consultants, loss-prevention engineers, insurance companies/agencies.

Project Need: To create an American National Standard for fire performance of transformer fluids.

Scope: This standard sets the fire performance requirements for transformer fluids. This standard applies to finished industrial fluids used in electrical transformers and is not applicable to other types of industrial fluids or transformer fluids that are intended for use in an application that allows for contamination. The standard requires the average test results from three ASTM D92 fire point tests of the transformer fluid to be at least 572°F (300°C). This standard is intended to evaluate only those hazards investigated and is not intended to determine suitability for the end use of the product.

FM (FM Approvals)

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

Contact: Patrick Byrne; patrick.byrne@fmaprovals.com

New Standard

BSR/FM 7745-202x, Examination Standard for Liquid Leak Detectors (new standard)

Stakeholders: Building code officials, manufacturers, architects, consultants, loss-prevention engineers, insurance agencies.

Project Need: An American National Standard is needed to address the performance requirements for both Hydrocarbon Liquid Leak Detectors and Water Leak Detectors. For hydrocarbon leak detectors, this standard applies for use in detecting specific hydrocarbon liquids on the surface of water or pooling on a flat surface. For water leak detectors, this standard applies for use in detecting water pooling on a flat surface or detectors for specialized installation such as on or in pipes to detect leakage. Typical installation may include, but is not limited to, any area in a building or facility, including leaks in domestic water risers, in front of and behind walls, above switchgear, in elevator shafts, and other mechanical and electrical areas.

Scope: This standard provides the examination requirements for Hydrocarbon Liquid Leak Detectors and Water Leak Detectors. For hydrocarbon leak detectors, this standard applies for use in detecting specific hydrocarbon liquids on the surface of water or pooling on a flat surface. For water leak detectors, this standard applies for use in detecting water pooling on a flat surface or detectors for specialized installation such as on or in pipes to detect leakage. Typical installation may include, but is not limited to, any area in a building or facility, including leaks in domestic water risers, in front of and behind walls, above switchgear, in elevator shafts, and other mechanical and electrical areas.

IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854-4141 www.ieee.org

Contact: Lisa Weisser; l.weisser@ieee.org

New Standard

BSR/IEEE 1937.1-202X, Standard Interface Requirements and Performance Characteristics for Payload Devices in Drones (new standard)

Stakeholders: Drone manufacturers, drone operators, drone drivers, drone users, air traffic control bureau.

Project Need: With the growth of Drone technologies, the requirements for the interface of payload devices are more and more diverse. Establishing common interface requirements and performance characteristics will aid in furthering the application and use of Drones.

Scope: This standard establishes a framework for Drone interface to payload. It defines the interfaces, performance metrics, provisioning, operation control, and management for Drone payload devices.

IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854-4141 www.ieee.org

Contact: Lisa Weisser; l.weisser@ieee.org

New Standard

BSR/IEEE 1937.3-202X, Protocol for the Flight Data Transmission of Civil Unmanned Aerial Vehicle Based on BeiDou Short Message (new standard)

Stakeholders: Drone manufacturers, drone operators, drone drivers, drone users, air traffic control bureau.

Project Need: With the development of Unmanned aerial vehicle (UAV) applications, the safety control of UAVs becomes more and more important. Without the effective control of UAV, there will be no sustainable development of the industry. UAV flight monitoring technology based on BeiDou satellite communication technology is not limited by terrain, region, ground infrastructure, and so on. Flight safety of "low, slow, and small" civil UAV can achieve all-day barrier-free supervision.

Scope: This standard specifies the general requirements for the content of flight data and transmission protocol of civil unmanned aerial vehicle systems based on the BeiDou short message protocol.

MedBiq (MedBiquitous - the standards development program of the AAMC)

655 K Street, N.W., Washington, DC 20001-2399 www.medbiq.org

Contact: Johmarx Patton; jpatton@aamc.org

New Standard

BSR/MBQ.AR.20-03.XML.3.0.0-202x, MedBiquitous Specification No. 20-03.XML.3.0.0-2021 for Activity Report (new standard)

Stakeholders: Organizations involved in health professionals' education and credentialing, organizations that develop software for health professionals' education and credentialing, organizations that manage data or data transfers for health professionals' education and credentialing.

Project Need: Within healthcare, there is a need for societies, certifying boards, licensing entities, and other organizations to exchange information about the educational activities and certification activities of physicians and other healthcare professionals. Professional societies often serve as the providers of education and other resources to enhance the competency of physicians and other healthcare professionals. Many certifying boards track these educational and competency activities as part of their requirements for maintaining certification. The Activity Report Schema will provide a standard for the structure of this data and facilitate the educational and public service missions of these organizations and others. The schema in no way compromises the confidentiality, integrity, or security of activity data. There are existing specifications related to activity reporting that may prove useful to the working group. MedBiquitous Professional Profile provides a mechanism for describing a clinician's name, contact information, and unique identifiers, among other information. This specification may be helpful in identifying clinicians across organizations. Within the higher education community, e-portfolio/learning and employment record/integrated learning record specifications exist to describe a broad range of learner accomplishments in a more cumulative fashion. Activity reports may feed into systems that provide more comprehensive long-term records. Digital signatures and oth...

Scope: The working group will focus initially on developing XML payload specifications for Activity Reports. Whenever possible, the group will leverage useful specifications developed by other organizations. The mission of the MedBiquitous Activity Report Working Group is to develop data standards and Web services requirements and descriptions to enable tracking of the learning and certification activities of physicians and other healthcare professionals. The MedBiquitous Technical Advisory Group will offer guidance and technical support for approaches requiring Web services descriptions. The specifications and services created by this working group will likely serve as foundation pieces for other specifications and Web services designed by MedBiquitous and will be architected to allow for building a digital ecosystem that can support health professions education and credentialing.

MedBiq (MedBiquitous - the standards development program of the AAMC)

655 K Street, N.W., Washington, DC 20001-2399 www.medbiq.org

Contact: Johmarx Patton; jpatton@aamc.org

New Standard

BSR/MBQ PP.20-02.XML.3.0.0-202x, MedBiquitous Specification No. 20-02.XML.3.0.0-2020 for Professional Profile (new standard)

Stakeholders: Organizations involved in health professionals' education and credentialing, organizations that develop software for health professionals' education and credentialing, organizations that manage data or data transfers for health professionals' education and credentialing.

Project Need: The organizations that support the ongoing education, performance, and assessment of clinicians often need to exchange clinician profile information with one another and with business partners, such as journal publishers, in order to effectively fulfill their missions. For example, certification and licensure information are often transmitted to central organizations and repositories to allow the public and organizations to determine the certification and licensure status of an individual clinician. Credentialing services also require data related to clinician education, training, certification, and licensure. Finally, many services supporting administrative functions related to professional education and competence assessment require a mechanism for communicating clinician information, including unique IDs. To address these needs, the MedBiquitous Professional Profile Working Group is creating a specification for the communication of clinician profile information, including but not limited to the following categories: Name, Address, Unique identifiers, Education & Training, Certification, Licensure/Registration, Occupation, Personal Information, and Membership information.

Scope: The working group will focus on creating a specification for healthcare professional profile data and will supplement these efforts with requirements for one or more Web services to enable the exchange of professional profile data across organizations. With the help of staff and the MedBiquitous Technical Advisory Group, requirements will be used to create Web services descriptions. These specifications and services will serve as foundation pieces for other specifications and Web services designed by MedBiquitous and will be architected to allow for building a digital ecosystem that can support health professions education and credentialing.

NEMA (National Electrical Manufacturers Association)

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

Contact: Andrei Moldoveanu; and_moldoveanu@nema.org

Revision

BSR/NEMA WD6-202x, Wiring Devices - Dimensional Specifications (revision of ANSI/NEMA WD6-2016)

Stakeholders: Cord set manufacturers, appliance builders, electricians, inspectors.

Project Need: New wiring devices additions.

Scope: This standard covers dimensional requirements for plugs and receptacles rated up to 60A and 600V.

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 www.scte.org

Contact: Kim Cooney; kcooney@scte.org

Revision

BSR/SCTE 153-202x, Drop Passives: Splitters, Couplers and Power Inserters (revision of ANSI/SCTE 153-2016)

Stakeholders: Cable Telecommunications industry.

Project Need: Update current technology.

Scope: The purpose of this document is to recommend mechanical, environmental and electrical standards for broadband radio frequency (RF) devices whose primary purpose is to divide signals presented to an input port among two or more output ports with a fixed division ratio that is nominally independent of frequency within the specified bandwidth limits of the device. Alternately, such devices can be used to combine signals from several input ports into a common output port. The most common use for such devices is on-premises RF signal distribution.

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 www.scte.org

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New Standard

BSR/SCTE DVS 1532-202x, ISOBMFF Based DASH Constraints Part 5: DASH/ISOBMFF/CMAF-Variant Profile (new standard)

Stakeholders: Cable Telecommunications industry.

Project Need: Create new standard.

Scope: This standard is part of a suite documenting use of MPEG DASH in cable networks. This part of the standard defines a profile of MPEG DASH which is based on the ISO BMFF Common Profile while defining additional media segment constraints for enabling a common media segment format across multiple adaptive streaming technologies.

WCMA (Window Covering Manufacturers Association)

17 Faulkner Drive, Niantic, CT 06357 www.wcmanet.org

Contact: Michael Tierney; mtierney@kellencompany.com

Revision

BSR/WCMA A100.1-202x, Standard for Safety of Window Covering Products (revision of ANSI/WCMA A100.1-2018)

Stakeholders: Consumers, manufacturers, users, retailers.

Project Need: Periodic update.

Scope: This Standard applies to all interior window covering products. Types of window covering products covered include, but are not limited to, cellular shades, horizontal blinds, pleated shades, roll-up-style blinds, roller shades, sheer shades, Roman-style shades, traverse rods (including products that are used with traverse rods, e.g., curtains and drapes), panel tracks, and vertical blinds. These products can be manufactured and distributed as either stock or custom products.

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: May 23, 2021

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 418-6660 w: www.nsf.org

Revision

BSR/NSF 50-202x (i174r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2020)

This Standard covers materials, chemicals, components, products, equipment and systems, related to public and residential recreational water facility operation.

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

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

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 p: (847) 664-3416 w: <https://ul.org/>

Revision

BSR/UL 144-202x, Standard for Safety for LP-Gas Regulators (revision of ANSI/UL 144-2019)

The following is being recirculated: (1) Requirements for regulators with under-pressure shut off (UPSO) protection; (2) Revisions regarding maximum inlet pressure rating for a second-stage or two psig service regulators.

[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: May 23, 2021

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 p: (510) 319-4297 w: <https://ul.org/>

Revision

BSR/UL 355-202X, Standard for Safety for Cord Reels (revision of ANSI/UL 355-2011 (R2020))

(1) Addition of requirements for cord reels with USB outlets.

[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) 664-2850 w: <https://ul.org/>

Revision

BSR/UL 508A-202x, Standard for Safety for Industrial Control Panels (revision of ANSI/UL 508A-2020)

Recirculation of the following topic: (12) Field wiring – Cable lugs.

[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) 549-0954 w: <https://ul.org/>

Revision

BSR/UL 561-202x, Standard for Safety for Floor Finishing Machines (revision of ANSI/UL 561-2011 (R2018))

This proposal for UL 561 covers: Type SJ power supply cords for commercial spray extraction machines and the addition of UL 969A into UL 561.

[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: June 7, 2021

AGMA (American Gear Manufacturers Association)

1001 N Fairfax Street, 5th Floor, Alexandria, VA 22314-1587 p: (703) 684-0211 w: www.agma.org

Reaffirmation

BSR/AGMA 6123-C2016 (R202x), Design Manual for Enclosed Epicyclic Gear Drives (reaffirmation of ANSI/AGMA 6123-C2016)

This standard is applicable to enclosed epicyclic speed reducers and increasers which use spur and helical gears. It applies to non-aircraft, industrial, vehicular, or machine tool gear units with carrier speeds less than 1800 rpm and pinion absolute speed less than 4500 rpm.

Single copy price: \$176.00

Obtain an electronic copy from: tech@agma.org

Order from: tech@agma.org

Send comments (with optional copy to psa@ansi.org) to: Amir Aboutaleb; tech@agma.org

Comment Deadline: June 7, 2021

CSA (CSA America Standards Inc.)

8501 E. Pleasant Valley Road, Cleveland, OH 44131 p: (216) 524-4990 w: www.csagroup.org

Revision

BSR/CSA HGV 4.3-202x, Test methods for hydrogen fueling parameter evaluation (revision of ANSI/CSA HGV 4.3-2019)

This standard establishes the test method, criteria, and device to evaluate a hydrogen fueling station dispensing system (referred to in this standard as a "dispenser") as it relates to achieving the protocols specified in SAE J2601 and SAE J2799. The testing evaluation applies to dispensers designed to fill vehicle storage systems following the prescribed protocols defined in SAE J2601 that target rapid fills, while respecting temperate, pressure, and fuel-density safety limits.

Single copy price: Free

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

Order from: David Zimmerman; ansi.contact@csagroup.org

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

HL7 (Health Level Seven)

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 p: (313) 550-2073 104 w: www.hl7.org

New Standard

BSR/HL7 PSIM, R1-202x, HL7 Privacy and Security Logical Data Model, Release 1 (new standard)

This is an up-to-date Security and Privacy Information Model aligned with the Composite Security and Privacy DAM, Privacy and Security Architecture Framework, and other foundational security standards including ISO 10181 and ISO 22600.

Single copy price: Free

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck; Karenvan@HL7.org

Send comments (with optional copy to psa@ansi.org) to: Karen Van Hentenryck; Karenvan@HL7.org

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

5001 East Philadelphia Street, Ontario, CA 91761 p: (909) 230-5534 w: <https://www.iapmostandards.org>

Revision

BSR/CSA B45.5/IAPMO Z124-202x, Plastic Plumbing Fixtures (revision of ANSI/CSA B45.5/IAPMO Z124-2016)

This Standard covers plastic plumbing fixtures and specifies requirements for materials, construction, performance, testing, and markings.

Single copy price: Free

Obtain an electronic copy from: standards@iapmostandards.org

Order from: Kyle Thompson; standards@iapmostandards.org

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

ICC (International Code Council)

4051 Flossmoor Road, Country Club Hills, IL 60478 p: (888) 422-7233 4205 w: www.iccsafe.org

Revision

BSR/ICC 400-202x, Standard on the Design and Construction of Log Structures (revision of ANSI/ICC 400-2017)

As an ANSI-accredited SDO, ICC is developing the standard to provide technical design and performance criteria that will facilitate and promote the design, construction, and installation of safe and reliable structures constructed of log timbers.

Single copy price: Free

Obtain an electronic copy from: <https://www.iccsafe.org/products-and-services/standards-development/is-log/>

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

Comment Deadline: June 7, 2021

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 p: (703) 841 3290 w: www.nema.org

New Standard

BSR NEMA ESM1-2-202x, Electrical Submeter - Active Energy Accuracy (new standard)

The requirements of this Standard cover metrological requirements and associated testing for AC meters and meter systems rated at not more than 1000 V that measure active energy used in electrical energy submetering applications.

Single copy price: Free

Obtain an electronic copy from: and_moldoveanu@nema.org

Order from: Andrei Moldoveanu; and_moldoveanu@nema.org

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

OIX (Open-IX Association)

340 South Lemon Avenue #7988, Walnut, CA 91789 p: (619) 916-9417 w: <http://www.open-ix.org>

New Standard

BSR/OIX 3-202x, Edge Technical Standard (new standard)

The Open-IX Edge Standard ("OIX-3" or "Edge Standard") establishes the technical criteria for Edge locations to be certified. The Edge Standard consists of both physical and operational requirements. Among the physical requirements, the Edge Standard sets forth, notably, the minimum level of resiliency and redundancy with respect to utility feeds, transformers, UPS, electrical distribution infrastructure, back-up generators, and cooling capacity; and criteria for fire protection, water sources, building security, and remote site management. The standard is divided into 5 sub-categories (XS, S, M, L, XL) relating to rack capacity. Edge compute enclosures can meet or fail the specific requirements for each sub-category. Project need: Open-IX has developed the Edge standard to help overcome inconsistencies in connectivity, resiliency, and security in the internet by promoting uniform specifications for data transfer and physical connectivity and reliability.

Single copy price: Free

Obtain an electronic copy from: edge-group@open-ix.org

Order from: Shawna Bong; finance@open-ix.org

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

OPEI (Outdoor Power Equipment Institute)

1605 King Street, Alexandria, VA 22314 p: (703) 678-2990 w: www.opei.org

New Standard

BSR/OPEI B71.6-202X, Powered Consumer Chipper/Shredders and Pedestrian-Controlled Chipper/Shredder Vacuums - Safety Specifications (new standard)

The safety specifications given in this standard are for powered consumer: (a) Chipper/Shredders, (b) Chipper/Shredder Baggers, and (c) Chipper/Shredder Vacuums. Power may be supplied by an internal-combustion engine or an electric motor. These specifications are intended to provide safety requirements and to help ensure uniform operator environments. They are intended to apply to products specifically intended as consumer products for the personal use of a consumer around the home. This standard applies to all aftermarket parts, attachments, and accessories. Any manufacturer of aftermarket parts, attachments, and accessories is responsible for ensuring compliance to this standard. Safety specifications in this standard apply only to a configuration of attachments/implements/accessories approved by their respective manufacturers. These specifications are not intended to apply to commercial products customarily used by hired operators or to products designed primarily for agricultural purposes such as defined in SAE J1116 or three-point hitch mounted power-takeoff (PTO) machines.

Single copy price: Free

Obtain an electronic copy from: dmustico@opei.org

Order from: Daniel Mustico; dmustico@opei.org

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

Comment Deadline: June 7, 2021

SAIA (ASC A11) (Scaffold & Access Industry Association)

400 Admiral Boulevard, Kansas City, MO 64106 p: (816) 595-4840 w: www.saiaonline.org

New Standard

BSR/SAIA A11.2-202x, Standard for Testing & Rating Shoring Equipment (new standard)

The standard provides methods for testing and rating shoring equipment.

Single copy price: Free

Obtain an electronic copy from: daphne@saiaonline.org

Order from: Daphne Reitz; Daphne@saiaonline.org

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

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201 p: (703) 907-7706 w: www.tiaonline.org

Revision

BSR/TIA 568.3-E-202x, Optical Fiber Cabling Component Standard (revision and redesignation of ANSI/TIA 568.3-D -2016)

Revise TIA 568.3-D to include the content from TIA 568.3-D-1 Addendum 1: General Updates and any additional content deemed appropriate by formulating subcommittee. Justification: Uphold a 5-year cadence on maintenance of standard, incorporate content from published addendum, and update pertinent content to reflect the latest technological updates and capabilities.

Single copy price: \$200.00

Obtain an electronic copy from: TIA (standards-process@tiaonline.org)

Order from: TIA (standards-process@tiaonline.org)

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

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 p: (510) 319-4271 w: <https://ul.org/>

Revision

BSR/UL 746A-202X, Standard for Safety for Polymeric Materials - Short-Term Property Evaluations (revision of ANSI/UL 746A-2021)

The following topics are being proposed for UL 746A: (a) Code E update in Table 9.1 for compound variations and (b) Inclusion of requirements for dispersing agent in Table 9.1.

Single copy price: Free

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

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

Send comments (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: June 7, 2021

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 p: (847) 664-2023 w: <https://ul.org/>

Revision

BSR/UL 60335-2-8-202x, Standard for Safety for Household & Similar Electrical Appliances - Part 2: Particular Requirements for Shavers, Hair Clippers & Similar Appliances (revision of ANSI/UL 60335-2-8-2018)

This proposal for UL 60335-2-8 covers: (1) Updates to include IEC Amendment 2 issued in 2018 and suggested deletion or modification of national differences based on the changes to the IEC standard, (2) Addition of Abnormal Operation Test for USB Powered or Charged Appliances, (3) Clarification of allowance for SP-1 type cord for lightweight appliances; and (4) Proposal to reduce minimum cord length cordless-only appliances.

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: June 22, 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 V&V 20-2009 (R202x), Standard for Verification and Validation of Computational Fluid Dynamics and Heat Transfer (reaffirmation of ANSI/ASME V&V 20-2009 (R2016))

This Standard addresses verification and validation (V&V) in computational fluid dynamics (CFD) and computational heat transfer (CHT).

Single copy price: \$72.00

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

Revision

Reaffirmations and withdrawals available electronically may be accessed at: webstore.ansi.org

BSR/ASME HST-4-202x, Performance Standard for Overhead Electric Wire Rope Hoists (revision of ANSI/ASME HST-4-2016)

This Standard establishes performance requirements for electric wire-rope hoists for vertical lifting service involving material handling of freely suspended (unguided) loads using wire rope with one of the following types of suspension: (1) lug; (2) hook; (3) trolley; (4) base- or deck-mounted (does not include base-mounted winches of the type covered by ASME B30.7); and (5) wall- or ceiling-mounted (does not include base-mounted winches of the type covered by ASME B30.7).

Single copy price: Free

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

Send comments (with optional copy to psa@ansi.org) to: Justin Cassamassino; cassamassinoj@asme.org

Comment Deadline: June 22, 2021

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

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)

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

Single copy price: \$20.00

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

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

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

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

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)

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

Single copy price: Free

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

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

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

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

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])

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.

Single copy price: \$250.00

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

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

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

Comment Deadline: June 22, 2021

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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])

Specifies advanced video coding for coding of audio-visual objects

Single copy price: \$250.00

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

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

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

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

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])

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.

Single copy price: \$250.00

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

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

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

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

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])

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

Single copy price: \$111.00

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

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

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

Comment Deadline: June 22, 2021

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

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])

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

Single copy price: \$250.00

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

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

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

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700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

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)

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.

Single copy price: \$232.00

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

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

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

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

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)

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 definitions 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).

Single copy price: \$103.00

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

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

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

Comment Deadline: June 22, 2021

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

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)

Specifies MPEG-4 Internet video coding.

Single copy price: \$250.00

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

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

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

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

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)

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

Single copy price: \$20.00

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

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

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

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

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)

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

Single copy price: \$185.00

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

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

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

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

700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

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)

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

Single copy price: \$73.00

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

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

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

Comment Deadline: June 22, 2021

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

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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)

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

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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)

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

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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)

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

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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)

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

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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)

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

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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 extension of AVC (identical national adoption of ISO/IEC 14496-5:2001/AM42:2017)

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

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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)

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

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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)

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

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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)

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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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)

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.

Single copy price: \$73.00

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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])

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

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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)

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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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)

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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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)

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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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)

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.

Single copy price: \$103.00

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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)

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

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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)

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.

Single copy price: \$225.00

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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)

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.

Single copy price: \$175.00

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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)

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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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)

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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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)

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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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)

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.

Single copy price: \$232.00

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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)

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

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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)

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

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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)

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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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)

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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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)

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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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)

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.

Single copy price: \$232.00

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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)

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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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)

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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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)

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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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)

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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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)

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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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)

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

Single copy price: \$200.00

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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)

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.

Single copy price: \$175.00

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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)

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

Single copy price: \$185.00

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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)

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.

Single copy price: \$232.00

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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)

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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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)

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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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)

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

Single copy price: \$225.00

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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)

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).

Single copy price: \$175.00

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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)

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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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)

Specifies the partial file format, which is a generic format for describing 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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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)

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

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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)

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).

Single copy price: \$250.00

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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)

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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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)

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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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)

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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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)

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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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)

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

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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)

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; and information exchange between virtual worlds.

Single copy price: \$200.00

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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)

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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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)

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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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)

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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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)

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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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)

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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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)

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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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)

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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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)

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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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)

This document specifies high-efficiency video coding.

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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)

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, 22.2 loudspeaker systems, automotive entertainment systems, and playback over headphones connected to a tablet or smartphone.

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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)

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

Single copy price: \$73.00

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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)

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.

Single copy price: \$45.00

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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)

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

Single copy price: \$48.00

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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)

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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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)

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.

Single copy price: \$162.00

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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)

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).

Single copy price: \$209.00

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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)

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

Single copy price: \$19.00

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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)

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

Single copy price: \$200.00

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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)

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

Single copy price: \$20.00

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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)

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

Single copy price: \$19.00

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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)

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

Single copy price: \$20.00

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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)

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

Single copy price: Free

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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)

Amendment 1 ISO/IEC 23008-12:2017.

Single copy price: \$73.00

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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)

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

Single copy price: Free

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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)

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.

Single copy price: \$250.00

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

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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)

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.

Single copy price: \$250.00

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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)

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).

Single copy price: \$175.00

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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)

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.

Single copy price: \$185.00

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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)

Specifies 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.

Single copy price: \$162.00

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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)

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

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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)

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.

Single copy price: \$250.00

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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)

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.

Single copy price: \$48.00

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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)

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.

Single copy price: \$149.00

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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)

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

Single copy price: \$225.00

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

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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)

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; and reference sequences.

Single copy price: \$250.00

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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)

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); and interfaces to access genomic information coded in compliance with ISO/IEC 23092-1 and ISO/IEC 23092-2 (in subclause 8.1).

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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)

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.

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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)

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.

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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)

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

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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)

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.

Single copy price: \$73.00

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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)

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.

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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)

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.

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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)

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

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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)

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

Single copy price: \$250.00

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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])

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 as the C standard in this 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.

Single copy price: \$232.00

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National Adoption

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)

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

Single copy price: \$103.00

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National Adoption

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)

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.

Single copy price: \$250.00

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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:

AMPP (Association for Materials Protection and Performance)

15835 Park Ten Place, Houston, TX 77084 p: (281) 228-6485 w: www.nace.org

BSR/NACE SP0502-202x, Pipeline External Corrosion Direct Assessment (new standard)

Inquiries may be directed to Richard Southard; rick.southard@nace.org

HL7 (Health Level Seven)

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 p: (313) 550-2073 104 w: www.hl7.org

BSR/HL7 V3 SPL, R9-202x, HL7 Version 3 Standard: Structured Product Labeling, Release 9 (revision and redesignation of ANSI/HL7 V3 SPL, R8-2018)

Inquiries may be directed to Karen Van Hentenryck; Karenvan@HL7.org

Final Actions on American National Standards

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

APTech (ASC CGATS) (Association for Print Technologies)

1896 Preston White Drive, Reston, VA 20191 p: (703) 264-7200 w: www.printtechnologies.org

Reaffirmation

ANSI CGATS/ISO 12640-1-2007 (R2021), Graphic technology - Prepress digital data exchange - Part 1: CMYK standard colour image data (CMYK/SCID) (reaffirmation of ANSI CGATS/ISO 12640-1-2007 (R2015)) Final Action Date: 4/16/2021

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

ANSI/ASME B30.12-2011 (R2021), Handling Loads Suspended from Rotorcraft (reaffirmation of ANSI/ASME B30.12-2011) Final Action Date: 4/13/2021

Reaffirmation

ANSI/ASME B30.14-2015 (R2021), Side Boom Tractors (reaffirmation of ANSI/ASME B30.14-2015) Final Action Date: 4/13/2021

ASTM (ASTM International)

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

New Standard

ANSI/ASTM F3416-2021, Guide Using Fourier Transform Infrared Spectrometry to Evaluate Synthetic Surface Components (new standard) Final Action Date: 4/15/2021

New Standard

ANSI/ASTM F3453-2020, Test Methods for Dry-cleaning robots for household or similar use - Methods of measuring performance (new standard) Final Action Date: 10/15/2020

Reaffirmation

ANSI/ASTM F1386-1997 (R2021), Guide for Construction of Sounding Tube and Striker Plate for Tank Sounding (reaffirmation of ANSI/ASTM F1386-1997 (R2016)) Final Action Date: 4/15/2021

Reaffirmation

ANSI/ASTM F1804-2016 (R2020), Practice for Determining Allowable Tensile Load for Polyethylene (PE) Gas Pipe During Pull-In Installation (reaffirmation of ANSI/ASTM F1804-2016) Final Action Date: 10/15/2020

Reaffirmation

ANSI/ASTM F2969-2017 (R2020), Specification for Acrylonitrile-Butadiene-Styrene (ABS) IPS Dimensioned Pressure Pipe (reaffirmation of ANSI/ASTM F2969-2017) Final Action Date: 10/15/2020

BHMA (Builders Hardware Manufacturers Association)

17 Faulkner Drive, Niantic, CT 06357 p: (860) 944-4264 w: www.buildershardware.com

Revision

ANSI/BHMA A156.8-2021, Door Controls - Overhead Stops and Holders (revision of ANSI/BHMA A156.8-2015) Final Action Date: 4/15/2021

BHMA (Builders Hardware Manufacturers Association)

17 Faulkner Drive, Niantic, CT 06357 p: (860) 944-4264 w: www.buildershardware.com

Revision

ANSI/BHMA A156.15-2021, Release Devices - Closer Holder, Electromagnetic and Electromechanical
(revision of ANSI/BHMA A156.15-2015) Final Action Date: 4/15/2021

IIAR (International Institute of Ammonia Refrigeration)

1001 North Fairfax Street, Alexandria, VA 22314 p: (703) 312-4200 w: www.iiar.org

New Standard

ANSI/IIAR CO2-2021, Safety Standard for Closed-Circuit Carbon Dioxide Refrigeration Systems (new standard)
Final Action Date: 4/13/2021

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 ICEA S-112-718-2021, Standard for Optical Fiber Cable for Placement in Sewer Environments (revision of ANSI/ICEA S-112-718-2013) Final Action Date: 4/15/2021

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 827-6866 w: www.nsf.org

Revision

ANSI/NSF 455-2-2021 (i12r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2020) Final Action Date: 4/13/2021

Revision

ANSI/NSF 455-2-2021 (i15r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2020) Final Action Date: 4/14/2021

Revision

ANSI/NSF 455-2-2021 (i16r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2020) Final Action Date: 4/15/2021

Revision

ANSI/NSF/CAN 60-2021 (i94r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2020) Final Action Date: 4/16/2021

Revision

ANSI/NSF/CAN 61-2021 (i158r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2020) Final Action Date: 4/14/2021

Revision

ANSI/NSF/CAN 600-2021 (i5r1), Health Effects Evaluation and Criteria for Chemicals in Drinking Water (revision of ANSI/NSF/CAN 600-2019) Final Action Date: 4/9/2021

PLASTICS (Plastics Industry Association)

1425 K Street, NW, Suite 500, Washington, DC 20005 p: (202) 974-5217 w: www.plasticsindustry.org

New Standard

ANSI/PLASTICS B151.11-2021, Safety Requirements for Granulators, Strand Pelletizers and Dicers Used for Size Reduction of Plastics (new standard) Final Action Date: 4/12/2021

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 p: (847) 664-3038 w: <https://ul.org/>

New Standard

ANSI/UL 244B-2021, Field Installed and/or Field Connected Appliance Controls (new standard) Final Action Date: 4/9/2021

Revision

ANSI/UL 1191-2021, Standard for Components for Personal Flotation Devices (revision of ANSI/UL 1191-2019) Final Action Date: 4/13/2021

Revision

ANSI/UL 1277-2021, Standard for Safety for Electrical Power and Control Tray Cables with Optional Optical-Fiber Members (revision of ANSI/UL 1277-2020) Final Action Date: 4/12/2021

Revision

ANSI/UL 1286-2021, Standard for Safety for Office Furnishings (revision of ANSI/UL 1286-2018) Final Action Date: 4/15/2021

Revision

ANSI/UL 2367-2021, Standard for Safety for Solid State Overcurrent Protectors (revision of ANSI/UL 2367-2009 (R2018)) Final Action Date: 4/19/2021

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 p: (602) 281-4497 w: www.vita.com

New Standard

ANSI/VITA 68.2-2021, VPX Standard S-Parameter Definition (new standard) (new standard) Final Action Date 4/13/2021

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.

AGMA (American Gear Manufacturers Association)

1001 N Fairfax Street, 5th Floor, Alexandria, VA 22314-1587 p: (703) 684-0211 w: www.agma.org

Amir Aboutaleb; tech@agma.org

BSR/AGMA 6123-C2016 (R202x), Design Manual for Enclosed Epicyclic Gear Drives (reaffirmation of ANSI/AGMA 6123-C2016)

AMPP (Association for Materials Protection and Performance)

15835 Park Ten Place, Houston, TX 77084 p: (281) 228-6485 w: www.nace.org

Richard Southard; rick.southard@nace.org

BSR/NACE MR0175/ISO 15156-202x, Petroleum and natural gas industries - Materials for use in H2S-containing environments in oil and gas production (identical national adoption of ISO 15156:2020 and revision of ANSI/NACE MR0175/ISO 15156-202x)

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 HST-4-202x, Performance Standard for Overhead Electric Wire Rope Hoists (revision of ANSI/ASME HST-4-2016)

FM (FM Approvals)

1151 Boston-Providence Tpke, Norwood, MA 02062 p: (781) 255-4846 w: www.fmglobal.com

Patrick Byrne; patrick.byrne@fmapprovals.com

BSR/FM 6350-202x, Examination Standard for Ultrasonic Leak Detectors. (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])

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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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700 K Street NW, Suite 600, Washington, DC 20001 p: (202) 737-8888 w: www.incits.org

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

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)

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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)

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)

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 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)

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)

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

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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)

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)

MedBiq (MedBiquitous - the standards development program of the AAMC)

655 K Street, N.W., Washington, DC 20001-2399 p: (202) 828-0648 w: www.medbiq.org

Johmarx Patton; jpatton@aamc.org

BSR/MBQ AR.20-03.XML.3.0.0-202x, MedBiquitous Specification No. 20-03.XML.3.0.0-2021 for Activity Report (new standard)

BSR/MBQ PP.20-02.XML.3.0.0-202x, MedBiquitous Specification No. 20-02.XML.3.0.0-2020 for Professional Profile (new standard)

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 p: (703) 841 3290 w: www.nema.org

Andrei Moldoveanu; and_moldoveanu@nema.org

BSR NEMA ESM1-2-202x, Electrical Submeter - Active Energy Accuracy (new standard)

BSR NEMA WD6-202x, Wiring Devices - Dimensional Specifications (revision of ANSI/NEMA WD6-2016)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 p: (734) 418-6660 w: www.nsf.org

Jason Snider; jsnider@nsf.org

BSR/NSF 50-202x (i174r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF 50-2020)

OIX (Open-IX Association)

340 South Lemon Avenue #7988, Walnut, CA 91789 p: (619) 916-9417 w: <http://www.open-ix.org>

Shawna Bong; finance@open-ix.org

BSR/OIX 3-202x, Edge Technical Standard (new standard)

SAIA (ASC A11) (Scaffold & Access Industry Association)

400 Admiral Boulevard, Kansas City, MO 64106 p: (816) 595-4840 w: www.saiaonline.org
Daphne Reitz; Daphne@saiaonline.org

BSR/SAIA A11.2-202x, Standard for Testing & Rating Shoring Equipment (new standard)

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201 p: (703) 907-7706 w: www.tiaonline.org
Teesha Jenkins; standards-process@tiaonline.org

BSR/TIA 568.3-E-202x, Optical Fiber Cabling Component Standard (revision and redesignation of ANSI/TIA 568.3-D-2016)

WCMA (Window Covering Manufacturers Association)

17 Faulkner Drive, Niantic, CT 06357 p: (860) 944-4264 w: www.wcmanet.org
Michael Tierney; mtierney@kellencompany.com

BSR/WCMA A100.1-202x, Standard for Safety of Window Covering Products (revision of ANSI/WCMA A100.1-2018)

Call for Members (ANS Consensus Bodies)

ANSI Accredited Standards Developer

Compressed Gas Association (CGA)

CGA G-13 Interest categories sought

The **Compressed Gas Association, Inc. (CGA)** is working to complete the formation of the consensus body for the proposed American National Standard (ANS)

CGA G-13, *Storage and Handling of Silane and Silane Mixtures*

The purpose of this standard is to prescribe the controls for the installation of silane systems and the recommended methods for storage or transfer of silane or its mixtures from a source of supply to a point of use to provide protection against injury, loss of life, and property damage. This standard governs the installation of systems and sources that are used to store, transfer, or contain silane or silane mixtures. This standard includes guidance for siting, design of equipment, piping and controls, and the fabrication and installation of silane gas storage and closed-use systems. Additional guidance on operational steps associated with the use of silane and silane mixtures as well as fire protection, gas monitoring, ventilation, and related safeguards are provided.

This consensus body is currently seeking voting members in the following categories:

- Producers; and
- distributors/retailers.

ANSI Accredited Standards Developer

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

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

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

Membership in the INCITS Executive Board is open to all directly and materially affected parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at jgarner@itic.org or visit <http://www.incits.org/participation/membership-info> for more information.

Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following categories:

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

Call for Members (ANS Consensus Bodies)

ANSI Accredited Standards Developer

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.

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Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

ABYC - American Boat and Yacht Council

Effective April 22, 2021

The reaccreditation of **ABYC - American Boat and Yacht Council** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ABYC-sponsored American National Standards, effective **April 22, 2021**. For additional information, please contact: Brian Goodwin, Technical Director, American Boat and Yacht Council (ABYC) - 613 Third Street, Suite 10, Annapolis, MD 21403 p: (410) 990-4460 115 e: bgoodwin@abycinc.org

Approval of Reaccreditation – ASD

NMEA - National Marine Electronics Association

Effective April 21, 2021

ANSI's Executive Standards Council has approved the reaccreditation of **NMEA - National Marine Electronics Association**, under its recently revised operating procedures for documenting consensus on NMEA-sponsored American National Standards, effective **April 21, 2021**. For additional information, please contact: Mark Oslund, National Marine Electronics Association (NMEA) - 846 Ritchie Highway, Suite L4, Severna Park, MD 21146 p: 410-975-9425 e: moslund@nmea.org

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

LIA (ASC Z136) - Laser Institute of America - Safe Use of Lasers

Annual Meeting via Zoom: May 25, 2021 | 10am - 4pm EDT

The LIA (ASC Z136) - Laser Institute of America - Safe Use of Lasers announces the 2021 Standards Committee Annual Meeting. The Z136 Standards Committee for Safe Use of Lasers is holding its annual meeting via Zoom webconference to discuss progress on Z136 standards development activities and review membership. This meeting is for members of the Z136 Standards Committee and is also open to observers (non-members). Individuals and organizations having an interest in the Committee's work may attend meetings as observers. Observers may submit comments for consideration, but shall have no vote.

When: May 25, 2021 | 10am - 4pm EDT

Where: Zoom.us

Cost to Attend: Free

Contact Liliana Caldero (lcaldero@lia.org) to request the Zoom registration link or to ask questions about the meeting. Online registration is required in order to receive the Zoom event URL. A computer capable of running Zoom and a stable internet connection will be necessary for participation - a video camera is not required. Computer audio (microphone) will be used for live questions, and the 'raise hands' feature will be used to ask for the floor. The Zoom chat feature will be enabled for participants.

ANSI Accredited Standards Developer

RIA - Robotic Industries Association

Meeting Details

The following meetings of the RIA - Robotic Industries Association are scheduled for:

- (1) **ANSI-Accredited Standards Committee: R15.06, Industrial Robot Safety**
Note: Invited guests, members of UL STP 1740

Meeting Format & Location: Remote via GoToMeeting

Purpose: Follow up on topics discussed at 3/8/21 meeting.

Day/Date/Time: The meeting will be held in one 4-hour session with a break in the middle:

Monday, 05/03/21, from 1 – 5 PM Central Time

- (2) **ANSI-Accredited Standards Committee: R15.08, Industrial Mobile Robot Safety**
Note: Invited guests, members of UL STP 3100

Meeting Format & Location: Remote via GoToMeeting

Purpose: Follow up on topics discussed at meeting sessions held 3/8 – 3/9/21.

Day/Date/Time: The meeting will be held in three 4-hour sessions with breaks, as follows:

Wednesday, 05/05/21, from 8 AM – 12 Noon, Central Time

Wednesday, 05/05/21, from 1 – 5 PM Central Time

Thursday, 05/06/21, from 8 AM – 12 Noon, Central Time

For inquiries please contact: Carole Franklin, p: (734) 994-6088 e: cfranklin@robotics.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.

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- **AAMI (Association for the Advancement of Medical Instrumentation)**
 - **AARST (American Association of Radon Scientists and Technologists)**
 - **AGA (American Gas Association)**
 - **AGSC (Auto Glass Safety Council)**
 - **ASC X9 (Accredited Standards Committee X9, Incorporated)**
 - **ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)**
 - **ASME (American Society of Mechanical Engineers)**
 - **ASTM (ASTM International)**
 - **GBI (Green Building Initiative)**
 - **HL7 (Health Level Seven)**
 - **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.

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ANS

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APTech (ASC CGATS)

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ASME

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ASTM

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BHMA

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IAPMO (Z)

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ICC

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IEEE

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IIAR

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ISO Draft International Standards

This section lists proposed standards that the International Organization for Standardization (ISO) is 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 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. The final date for offering comments is listed after each draft.

ORDERING INSTRUCTIONS

ISO Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an ISO 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.

AIR QUALITY (TC 146)

ISO/DIS 10849, Stationary source emissions - Determination of the mass concentration of nitrogen oxides in flue gas - Performance characteristics of automated measuring systems - 7/5/2021, \$119.00

ISO/DIS 19694-3, Stationary source emissions - Determination of greenhouse gas (GHG) emissions in energy-intensive industries - Part 3: Cement industry - 6/22/2021, \$146.00

ISO/DIS 19694-4, Stationary source emissions - Determination of greenhouse gas (GHG) emissions in energy-intensive industries - Part 4: Aluminium industry - 6/22/2021, \$82.00

ISO/DIS 19694-5, Stationary source emissions - Determination of greenhouse gas (GHG) emissions in energy-intensive industries - Part 5: Lime industry - 6/22/2021, \$125.00

ISO/DIS 19694-6, Stationary source emissions - Determination of greenhouse gas (GHG) emissions in energy-intensive industries - Part 6: Ferroalloy industry - 6/22/2021, \$102.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 5224, Rotorcrafts - Flight Dynamics - Vocabulary and symbols - 7/5/2021, \$88.00

APPLICATIONS OF STATISTICAL METHODS (TC 69)

ISO/DIS 28596, Sampling procedures for inspection by attributes - Two-stage sampling plans for auditing and for inspection under prior information - 7/5/2021, \$112.00

BANKING AND RELATED FINANCIAL SERVICES (TC 68)

ISO/DIS 9564-5, Financial services - Personal Identification Number (PIN) management and security - Part 5: Methods for the generation, change, and verification of PINs and card security data using the advanced encryption standard - 7/5/2021, \$58.00

BUILDING CONSTRUCTION MACHINERY AND EQUIPMENT (TC 195)

ISO/FDIS 15878, Road construction and maintenance equipment - Paver-finishers - Commercial specifications - 8/26/2021, \$102.00

CERAMIC TILE (TC 189)

ISO/DIS 10545-18, Ceramic tiles - Part 18: Determination of Light Reflectance Value (LRV) - 7/5/2021, \$40.00

CLINICAL LABORATORY TESTING AND IN VITRO DIAGNOSTIC TEST SYSTEMS (TC 212)

ISO/DIS 21474-2, In vitro diagnostic medical devices - Multiplex molecular testing for nucleic acids - Part 2: Validation and verification - 7/3/2021, \$62.00

ESSENTIAL OILS (TC 54)

ISO/DIS 1242, Essential oils - Determination of acid value by two titration methods, manual and automatic - 7/8/2021, \$46.00

GAS CYLINDERS (TC 58)

ISO/DIS 13338, Gas cylinders - Gases and gas mixtures - Determination of corrosiveness for the selection of cylinder valve outlet - 7/5/2021, \$46.00

ISO/DIS 22434, Gas cylinders - Inspection and maintenance of valves - 7/5/2021, \$46.00

GEOTECHNICS (TC 182)

ISO/DIS 22476-1, Geotechnical investigation and testing - Field testing - Part 1: Electrical cone and piezocone penetration tests - 7/5/2021, \$102.00

HEALTHCARE ORGANIZATION MANAGEMENT (TC 304)

ISO/DIS 5258, Pandemic response (respiratory) - Drive-through screening station - 7/4/2021, \$58.00

HUMAN RESOURCE MANAGEMENT (TC 260)

ISO 30401/DAmD1, Knowledge management systems - Requirements - Amendment 1 - 7/3/2021, \$33.00

INTERNAL COMBUSTION ENGINES (TC 70)

ISO/DIS 7967-6, Reciprocating internal combustion engines - Vocabulary of components and systems - Part 6: Lubricating systems - 7/3/2021, \$67.00

MATERIALS, EQUIPMENT AND OFFSHORE STRUCTURES FOR PETROLEUM AND NATURAL GAS INDUSTRIES (TC 67)

ISO/DIS 13503-3, Petroleum and natural gas industries - Completion fluids and materials - Part 3: Testing of heavy brines - 7/5/2021, \$53.00

MECHANICAL TESTING OF METALS (TC 164)

ISO/FDIS 16842, Metallic materials - Sheet and strip - Biaxial tensile testing method using a cruciform test piece - 7/5/2021, \$82.00

ISO/DIS 23838, Metallic Materials - High Strain Rate Torsion Test at Room Temperature - 7/5/2021, \$93.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 19056-3, Microscopes - Definition and measurement of illumination properties - Part 3: Incident light fluorescence microscopy with incoherent light sources - 7/5/2021, \$46.00

PACKAGING (TC 122)

ISO/DIS 16495, Packaging - Transport packaging for dangerous goods - Test methods - 7/4/2021, \$112.00

PIGMENTS, DYESTUFFS AND EXTENDERS (TC 256)

ISO/DIS 18473-4, Functional pigments and extenders for special applications - Part 4: Nanoscale titanium dioxide for photocatalytic application - 7/3/2021, \$40.00

PLASTICS (TC 61)

ISO/DIS 22007-2, Plastics - Determination of thermal conductivity and thermal diffusivity - Part 2: Transient plane heat source (hot disc) method - 7/5/2021, \$77.00

PLASTICS PIPES, FITTINGS AND VALVES FOR THE TRANSPORT OF FLUIDS (TC 138)

ISO/DIS 2505, Thermoplastics pipes - Longitudinal reversion - Test method and parameters - 7/3/2021, \$40.00

RAILWAY APPLICATIONS (TC 269)

ISO/DIS 22074-4, Railway infrastructure - Rail fastening systems - Part 4: Test methods for resistance to repeated loading - 7/4/2021, \$88.00

ROAD VEHICLES (TC 22)

ISO/DIS 14400, Road vehicles - Wheels and rims - Use, general maintenance and safety requirements and out-of-service conditions - 6/22/2021, \$71.00

ISO/DIS 23280, Electrically propelled mopeds and motorcycles - Test method for evaluation of energy performance using motor dynamometer - 7/5/2021, \$77.00

ROLLING BEARINGS (TC 4)

ISO 1206/DAmD1, Rolling bearings - Needle roller bearings with machined rings - Boundary dimensions, geometrical product specifications (GPS) and tolerance values - Amendment 1: Measuring and verification methods - 7/4/2021, \$46.00

ISO 3245/DAmD1, Rolling bearings - Needle roller bearings with drawn cup and without inner ring - Boundary dimensions, geometrical product specifications (GPS) and tolerance values - Amendment 1: Measuring and verification methods - 7/4/2021, \$46.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/FDIS 6505, Rubber, vulcanized or thermoplastic - Determination of tendency to adhere to and corrode metals - 7/5/2021, \$58.00

SECURITY (TC 292)

ISO/DIS 22340, Security and resilience - Protective security - Guidelines for an enterprise protective security architecture and framework - 7/5/2021, \$88.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 23730, Marine technology - Marine environment impact assessment (MEIA) - General technical requirement - 7/5/2021, \$46.00

SIZING SYSTEMS AND DESIGNATIONS FOR CLOTHES (TC 133)

ISO/FDIS 20947-1, Performance evaluation protocol for digital fitting systems - Part 1: Accuracy of virtual human body representation - 8/26/2021, \$119.00

SOLAR ENERGY (TC 180)

ISO/DIS 24194, Solar energy - Collector fields - Check of performance - 7/5/2021, \$98.00

SOLID BIOFUELS (TC 238)

ISO/FDIS 17225-9, Solid biofuels - Fuel specifications and classes - Part 9: Graded hog fuel and wood chips for industrial use - 7/5/2021, \$46.00

SOLID MINERAL FUELS (TC 27)

ISO/DIS 561, Coal - Coal preparation plant - Graphical symbols - 7/4/2021, \$67.00

STEEL (TC 17)

ISO/DIS 23717, Steel wire and wire products - Hose reinforcement wire - 7/5/2021, \$53.00

ISO/FDIS 15349-2, Unalloyed steel - Determination of low carbon content - Part 2: Infrared absorption method after combustion in an induction furnace (with preheating) - 7/5/2021, \$62.00

SURFACE CHEMICAL ANALYSIS (TC 201)

ISO/DIS 23729, Surface chemical analysis - Atomic force microscopy - Guideline for restoration procedure for atomic force microscopy images dilated by finite probe size - 7/5/2021, \$67.00

TEXTILES (TC 38)

ISO/DIS 4484-2, Textiles and textile products - Microplastics from textile sources - Part 2: Qualitative and quantitative evaluation of microplastics - 7/4/2021, \$134.00

TOURISM AND RELATED SERVICES (TC 228)

ISO/DIS 3163, Adventure tourism - Terminology - 7/5/2021, \$82.00

TRADITIONAL CHINESE MEDICINE (TC 249)

ISO/DIS 23956, Traditional Chinese medicine - Determination of benzopyrene in processed natural products - 7/5/2021, \$58.00

TYRES, RIMS AND VALVES (TC 31)

ISO/DIS 24469, Road wear test of studded tyres - 7/5/2021, \$58.00

VALVES (TC 153)

ISO/DIS 10497, Testing of valves - Fire type-testing requirements - 7/3/2021, \$71.00

ISO/DIS 28921-1, Industrial valves - Isolating valves for low-temperature applications - Part 1: Design, manufacturing and production testing - 7/5/2021, \$93.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 17636-1, Non-destructive testing of welds - Radiographic testing - Part 1: X- and gamma-ray techniques with film - 7/5/2021, \$107.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 22989, Information technology - Artificial intelligence - Artificial intelligence concepts and terminology - 7/5/2021, \$125.00

ISO/IEC DIS 23053, Framework for Artificial Intelligence (AI) Systems Using Machine Learning (ML) - 7/5/2021, \$102.00

ISO/IEC DIS 28360-1, Information technology - Office equipment - Determination of chemical emission rates from electronic equipment - Part 1: Using-consumables - 7/5/2021, \$125.00

ISO/IEC DIS 29168-1, Information technology - Open systems interconnection - Part 1: Object identifier resolution system - 7/5/2021, \$88.00

OTHER

ISO/IEC DIS 17060, Conformity assessment - Code of good practice - 7/4/2021, \$40.00



Newly Published ISO & IEC Standards

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

ISO Standards

ACOUSTICS (TC 43)

ISO 8297/Amd1:2021, Acoustics - Determination of sound power levels of multisource industrial plants for evaluation of sound pressure levels in the environment - Engineering method - Amendment 1, \$20.00

ISO 10140-2:2021, Acoustics - Laboratory measurement of sound insulation of building elements - Part 2: Measurement of airborne sound insulation, \$111.00

ISO 10140-3:2021, Acoustics - Laboratory measurement of sound insulation of building elements - Part 3: Measurement of impact sound insulation, \$111.00

ISO 10140-4:2021, Acoustics - Laboratory measurement of sound insulation of building elements - Part 4: Measurement procedures and requirements, \$73.00

ISO 10140-5:2021, Acoustics - Laboratory measurement of sound insulation of building elements - Part 5: Requirements for test facilities and equipment, \$200.00

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

ISO 80601-2-87:2021, Medical electrical equipment - Part 2-87: Particular requirements for basic safety and essential performance of high-frequency ventilators, \$250.00

GOVERNANCE OF ORGANIZATIONS (TC 309)

ISO 37301:2021, Compliance management systems - Requirements with guidance for use, \$200.00

METALLIC AND OTHER INORGANIC COATINGS (TC 107)

ISO 23486:2021, Metallic and other inorganic coatings - Measurement of Young's modulus of thermal barrier coatings at elevated temperature by flexural resonance method, \$73.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO 6249:2021, Petroleum products - Determination of thermal oxidation stability of gas turbine fuels, \$175.00

PLAIN BEARINGS (TC 123)

ISO 12130-1:2021, Plain bearings - Hydrodynamic plain tilting pad thrust bearings under steady-state conditions - Part 1: Calculation of tilting pad thrust bearings, \$149.00

PLASTICS PIPES, FITTINGS AND VALVES FOR THE TRANSPORT OF FLUIDS (TC 138)

ISO 12176-2/Amd1:2021, Plastics pipes and fittings - Equipment for fusion jointing polyethylene systems - Part 2: Electrofusion - Amendment 1, \$20.00

ISO 10466:2021, Glass-reinforced thermosetting plastics (GRP) pipes - Test method to prove the resistance to initial ring deflection, \$73.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 14557:2021, Fire-fighting hoses - Rubber and plastics suction hoses and hose assemblies, \$111.00

SMALL CRAFT (TC 188)

ISO 14945:2021, Small craft - Builders plate, \$48.00

ISO 14946:2021, Small craft - Maximum load capacity, \$48.00

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

ISO 13408-6:2021, Aseptic processing of health care products - Part 6: Isolator systems, \$149.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 8909-1:2021, Equipment for harvesting - Forage harvesters - Part 1: Vocabulary, \$48.00

ISO 8909-2:2021, Equipment for harvesting - Forage harvesters - Part 2: Specification of characteristics and performance, \$48.00

ISO 8909-3:2021, Equipment for harvesting - Forage harvesters - Part 3: Test methods, \$111.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO 3834-2:2021, Quality requirements for fusion welding of metallic materials - Part 2: Comprehensive quality requirements, \$73.00

[ISO 3834-3:2021](#), Quality requirements for fusion welding of metallic materials - Part 3: Standard quality requirements, \$73.00

[ISO 3834-4:2021](#), Quality requirements for fusion welding of metallic materials - Part 4: Elementary quality requirements, \$48.00

IEC Technical Reports

NANOTECHNOLOGIES (TC 229)

[IEC/TR 63258:2021](#), Nanotechnologies - A guideline for ellipsometry application to evaluate the thickness of nanoscale films, \$51.00

ISO Technical Reports

FINE BUBBLE TECHNOLOGY (TC 281)

[ISO/TR 24217-2:2021](#), Fine bubble technology - Guideline for indicating benefits - Part 2: Assignment of Sustainable Development Goals (SDGs) to applications of fine bubble technologies, \$73.00

IMPLANTS FOR SURGERY (TC 150)

[ISO/TR 17327-2:2021](#), Non-active surgical implants - Implant coating - Part 2: Reference standards related to coatings, \$73.00

WELDING AND ALLIED PROCESSES (TC 44)

[ISO/TR 20172:2021](#), Welding - Grouping systems for materials - European materials, \$175.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 18598/Amd1:2021](#), Information technology - Automated infrastructure management (AIM) systems - Requirements, data exchange and applications - Amendment 1, \$26.00

[ISO/IEC 11801-3/Amd1:2021](#), Information technology - Generic cabling for customer premises - Part 3: Industrial premises - Amendment 1, \$73.00

[ISO/IEC 29183:2021](#), Information technology - Office equipment - Method for measuring digital copying productivity for a single one-sided original, \$175.00

[ISO/IEC 24800-2:2021](#), Information technology - JPSearch - Part 2: Registration, identification and management of schema and ontology, \$250.00

[ISO/IEC 27050-4:2021](#), Information technology - Electronic discovery - Part 4: Technical readiness, \$175.00

IEC Standards

ELECTRICAL INSTALLATIONS OF SHIPS AND OF MOBILE AND FIXED OFFSHORE UNITS (TC 18)

[IEC/IEEE 61886-1 Ed. 1.0 en:2021](#), Subsea equipment - Part 1: Power connectors, penetrators and jumper assemblies with rated voltage from 3 kV (U_{max} = 3,6 kV) to 30 kV (U_{max} = 36 kV), \$417.00

ELECTROMECHANICAL COMPONENTS AND MECHANICAL STRUCTURES FOR ELECTRONIC EQUIPMENTS (TC 48)

[IEC 61076-3-122 Ed. 2.0 b:2021](#), Connectors for electrical and electronic equipment - Product requirements - Part 3-122: Detail specification for 8-way, shielded, free and fixed connectors for I/O and data transmission with frequencies up to 500 MHz and current-carrying capacity in industrial environments, \$259.00

METHODS FOR THE ASSESSMENT OF ELECTRIC, MAGNETIC AND ELECTROMAGNETIC FIELDS ASSOCIATED WITH HUMAN EXPOSURE (TC 106)

[IEC/IEEE 62209-1528 Ed. 1.0 b:2020](#), Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-worn wireless communication devices - Human models, instrumentation and procedures (Frequency range of 4 MHz to 10 GHz), \$443.00

NUCLEAR INSTRUMENTATION (TC 45)

[IEC/IEEE 63113 Ed. 1.0 b:2021](#), Nuclear facilities - Instrumentation important to safety - Spent fuel pool instrumentation, \$221.00

POWER ELECTRONICS (TC 22)

[IEC 62040-3 Ed. 3.0 en:2021](#), Uninterruptible power systems (UPS) - Part 3: Method of specifying the performance and test requirements, \$417.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

[IEC 60335-2-69 Ed. 6.0 b:2021](#), Household and similar electrical appliances - Safety - Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for commercial use, \$392.00

SMALL POWER TRANSFORMERS AND REACTORS AND SPECIAL TRANSFORMERS AND REACTORS (TC 96)

[IEC 61558-2-1 Ed. 3.0 en:2021](#), Safety of transformers, reactors, power supply units and combinations thereof - Part 2-1: Particular requirements and tests for separating transformers and power supplies incorporating separating transformers for general applications, \$89.00

**SWITCHGEAR AND CONTROLGEAR AND THEIR ASSEMBLIES
FOR LOW VOLTAGE (TC 121)**

[IEC 60947-4-1 Ed. 4.0 b cor.2:2021](#), Corrigendum 2 - Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters, \$0.00

TOOLS FOR LIVE WORKING (TC 78)

[IEC 61243-1 Ed. 3.0 b:2021](#), Live working - Voltage detectors - Part 1: Capacitive type to be used for voltages exceeding 1 kV AC, \$392.00

International Organization for Standardization (ISO)

ISO New Work Item Proposal

Guidelines for Evaluating Standardization Benefits for Organizations

Comment Deadline: June 4, 2021

SAC, the ISO member body for China, has submitted to ISO a new work item proposal for the development of an ISO standard on Guidelines for Evaluating Standardization Benefits for Organizations, with the following scope statement:

This document provides guidance for organizations to understand and apply the evaluation principles, methods and procedures of economic and social benefits of standardization. This document is generally useful for organizations to measure the benefits of standardization and improve their own standardization inputs.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 4, 2021.

ISO New Work Item Proposal

ISO Standard on Online Game Terminology

Comment Deadline: May 28, 2021

SAC, the ISO member body for China, has submitted to ISO a new work item proposal for the development of an ISO standard on Online Game Terminology, with the following scope statement:

This proposal specifies the definition of terms used in game research and development, operation, management, copyright, eSports, derivative production and sales.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, May 28, 2021**.

ISO Proposal for a New Field of ISO Technical Activity

Deoxidizers and Desiccants

Comment Deadline: June 18, 2021

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on Deoxidizers and Desiccants, with the following scope statement:

Standardization in the field of deoxidizers and desiccants, including terminology, categories, specifications, control and management of production processes, and testing methods of the quality and safety indexes.

Excluded:

1. Requirements of the outer package of products covered by ISO/TC122

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 18, 2021.

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

District Energy System

Comment Deadline: June 4, 2021

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on District Energy System, with the following scope statement:

Standardization of planning, operation, maintenance, optimization and application of the integrated district energy system with multiple energy carriers.

Excluding: specific energy (electricity or non-electricity) technologies, information technologies or control technologies within the scope of other ISO or IEC/TCs.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 4, 2021.

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.

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

NSF/ANSI Standard

Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and other Recreational Water Facilities

Evaluation criteria for materials, components, products, equipment, and systems for use at recreational water facilities

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-
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27 Treatment chemicals used in recreational water and facilities

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Table 27.5
Assumptions for short-term swimming pool oral exposure and dose estimate

Age	Adult		11 to <16 years		6 to <11 years	
Type of swimmer	Comp	Non-comp	Comp	Non-comp	Comp	Non-comp
IgR (L/h)	0.0275 ¹	0.05 ¹	0.0275 ¹	0.05 ¹	0.05 ¹	0.05 ¹
ET (h/d)	3 ²	1 ³	2 ²	1 ³	1 ²	1 ³
BW (kg)	80 ⁴		57 ⁵		32 ⁷ 32 ⁵	

¹ IgR: The ingestion rate for noncompetitive swimmer is 0.05 mL/h (US EPA, 2015). The ingestion rate for competitive swimmers age 11 or above is assumed to be 0.0275 mL/h based on based on the opinion of swim coaches interviewed during the ACC swimmer survey that competitive swimmers ingest less water than noncompetitive swimmers because they have learned how to control their breathing (ACC, 2002).

² ET (competitive swimmers): The exposure times for competitive swimmers are based on the ACC's swimmer survey (ACC, 2002).

³ ET (noncompetitive swimmers): The exposure times for non-competitive and/or recreational swimmers are based on NHAPs 90th percentile exposure durations (US EPA, 1996a).

⁴ BW (adult): The average body weight of adult males and females is 80 kg which is the average of the median male and female body weights (US EPA, 2011d).

⁵ BW (child): The body weight is 57 kg for children age 11 to < 16 yr and 32 kg for children age 6 to < 11 yr based on the recommended values from the EPA Exposure Factors Handbook (US EPA, 2011d).

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Table 27.6
Assumptions for long-term swimming pool oral exposure and dose estimate

Age	Adult		11 to <16 years		6 to <11 years	
Type of Swimmer	Comp	Non-Comp	Comp	Non-Comp	Comp	Non-Comp
IgR (L/h)	0.025 ¹	0.05 ¹	0.025 ¹	0.05 ¹	0.05 ¹	0.05 ¹
ET (h/d)	3 ²	0.3 ³	2 ²	0.5 ³	1 ²	0.5 ³
EF (events/yr)	238 ⁴	88 ⁵	189 ⁶	72 ⁵	65 ⁷	102 ⁵
BW (kg)	80 ⁸		57 ⁹		32 ⁹	

¹ IgR: The ingestion rate for noncompetitive swimmer is 0.05 mL/h (US EPA, 2015). The ingestion rate for competitive swimmers age 11 or above is assumed to be 0.025 mL/h based on the opinion of swim coaches interviewed during the ACC swimmer survey that competitive swimmers ingest less water than noncompetitive swimmers because they have learned how to control their breathing (ACC, 2002).

² ET (competitive swimmers): The exposure times for competitive swimmers are based on the ACC's swimmer survey (ACC, 2002).

³ ET (noncompetitive swimmers): The exposure times for non-competitive and/or recreational swimmers are based on NHAPs mean values (US EPA, 1996a).

⁴ EF (adult competitive): Mean values for master's and collegiate swimmers ranged from 187 to 238 d/yr. For collegiate swimmer, ACC (2002) assumed (5 events/wk) × (52 wk/yr) × (11 mo/yr) / (12 mo/yr).

⁵ EF (noncompetitive): Mean yearly frequency values obtained from NHAPS (US EPA, 1996a).

⁶ EF (11 to < 16 yr competitive): Mean value from ACC (2002) which assumed (4 events/wk) × (52 wk/yr) × (11 mo/yr) / (12 mo/yr).

⁷ EF (6 to <11 yr competitive): Mean value from ACC (2002) assumed (2.5 events/wk) × (52 wk/yr) × (6 mo/yr) / (12 mo/yr).

⁸ BW (adult): The average body weight of adult males and females is 80 kg which is the average of the median male and female body weights (US EPA, 2011d).

⁹ BW (child): The body weight is 57 kg for children age 11 to < 16 yr and 32 kg for children age 6 to < 11 yr based on the recommended values from the EPA Exposure Factors Handbook (US EPA, 2011d).

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BSR/UL 144, Standard for Safety for *LP-Gas Regulators*

1. *Requirements for regulators with under-pressure shut off (UPSO) protection*
2. *Revisions regarding maximum inlet pressure rating for a second-stage or two psig service regulators*

INTRODUCTION

6 Glossary

6.8.1 UNDER PRESSURE SHUTOFF (UPSO) FEATURE – A feature that shuts off the flow of LP-Gas vapor when there is a lack of regulated pressure.

15A Regulators With Under-Pressure Shut Off (UPSO) Protection

Table 15A.1

Regulator underpressure shutoff (UPSO) feature performance limits

Regulator type	Regulator outlet pressure setting ^a	Underpressure shutoff feature activation limit (regulator outlet pressure) ^{a,b}	
		Minimum	Maximum
First-stage	Above 1 psig (6.9) and not over 5 psig (34.5)	7 in WC (1.74)	13 in WC (3.2)
	Above 5 psig (34.5) but not over 10 psig (69)	32 in WC (1.74 7.96)	52 in WC (3.2 12.94)
Mnh High pressure	Above 1 psig (6.9) and not over 5 psig (34.5) (as specified by mfr.)	7 in WC (1.74)	13 in WC (3.2)
	Above 5 psig (34.5) but not over 15 psig (103.5) (as specified by mfr.)	32 in WC (1.74 7.96)	52 in WC (3.2 12.94)

	Above 15 psig (103.5) (as specified by mfr.)	specified by mfr.	specified by mfr.
Special-purpose high pressure	Above 1 psig (6.9) and not over 5 psig (34.5) (as specified by mfr.)	7 in WC (1.74)	13 in WC (3.2)
	Above 5 psig (34.5) but not over 15 psig (103.5) (as specified by mfr.)	32 in WC (4.74/7.96)	52 in WC (3.21/2.94)
	Above 15 psig (103.5) (as specified by mfr.)	specified by mfr.	specified by mfr.
Two-psig service	2.0 psig (34.5)	7 in WC (1.74)	13 in WC (3.2)
Integral two-psig service	2.0 psig (34.5)	7 in WC (1.74)	13 in WC (3.2)
Second-stage	11 inch WC (2.7)	3 in WC (0.75)	7 in WC (1.74)
Integral two-stage	11 inch WC (2.7)	3 in WC (0.75)	7 in WC (1.74)
Automatic changeover regulator	11 inch WC (2.7)	3 in WC (0.75)	7 in WC (1.74)
Special-purpose low pressure	Less than 1 psig (6.9)	3 in WC (0.75)	13 in WC (4.74/3.2)
Single stage	11 inch WC (2.7)	3 in WC (0.75)	7 in WC (1.74)
<p>^a Numbers in parenthesis are pressure values in kilopascal gauge (kPag) units.</p> <p>^b Regulator outlet pressure settings as specified in Table 25.1.</p>			

PERFORMANCE

29 Overpressure Shutoff (OPSO) Feature Tests

29.2 Activation test

Table 29.2

Aerostatic pressure for overpressure shutoff (OPSO) feature tests

Test	Aerostatic pressure			
	Second-stage regulator, Two-psig service regulator, or special-purpose low pressure (with 10 psig inlet rating) regulator,		All other regulators,	
	psig	(kPa)	psig	(kPa)
Activation test	20 or the manufacturer's inlet pressure rating, whichever is greater	138	100	689
Leakage and strength test	25 or the manufacturer's inlet pressure rating, whichever is greater	172.5	375	2585
Endurance test using normal production samples	10 <u>or the manufacturer's inlet pressure rating, whichever is greater</u>	69	100	689

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BSR/UL 355, Standard for Safety for Cord Reels

PROPOSALS

1 Scope

1.6 A cord reel shall be permitted to employ any of the following:

- a) An integral Class 2, LIMITED POWER SOURCE (LPS), PS1, or PS2 power supply provided with an integral output connector(s); or
- b) Specialty power units with integral Class 2 output connector(s); or
- c) Receptacles employing integral power supplies provided with Class 2, LPS, PS1, or PS2 output connector(s).

2 Glossary

2.2A CLASS 2 SEPARABLE INTERFACE - A separable component containing Class 2, LPS, PS1, or PS2 low-voltage connector(s) only (such as Universal Serial Bus (USB) connector(s)).

2.7.4 2.7A OPEN NEUTRAL PROTECTION – Consists of the opening of the line contacts of a protective device when either live contact loses power, whereby the output potential is interrupted to provide shock hazard protection. As an example, if the input neutral opens due to a broken conductor or loose plug connection, the protective device circuitry would not receive power, and therefore would not operate to provide protection. A current path from line to ground could exist, under these circumstances; a person in contact with the live conductor could receive a lethal shock. (A faulty appliance that has an internal insulation failure could allow the case to become energized.)

2.7B RECEPTACLE EMPLOYING INTEGRAL POWER SUPPLY PROVIDED WITH ONE OR MORE CLASS 2, LPS, or PS1 or PS2 OUTPUT CONNECTOR(S) – A receptacle employing an integral power supply having limited voltage and energy capacity that incorporates one or more one or more associated Class 2 output connectors accessible to the user after a cover plate is installed.

2.11A SPECIALTY POWER SUPPLY UNIT WITH ONE OR MORE CLASS 2, LPS, or PS1 or PS2 OUTPUT CONNECTOR(S) – A power supply unit having limited voltage and energy capacity that incorporates one or more associated Class 2, LPS, or PS1 or PS2 output connectors accessible to the user after a cover plate is installed.

6 Accessibility of Uninsulated Live Parts and Film-Coated Wire

6.9 With reference to 6.1 and 6.2, connectors and contacts supplied by an isolated secondary circuit complying with 16.20 – 16.22 may be accessible to the user.

16 Line and Load Connections

16.20 An integral Class 2, LPS, or PS1 or PS2 power supply provided with an integral output connector(s) provided in a cord reel shall comply with applicable construction and performance requirements of one of the following:

- a) As a Class 2 device as described in the Standard for Class 2 Power Units, UL 1310; or
- b) As an LPS or PS1 or PS2 energy source as described in the Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1.

16.21 Specialty power supply units with integral Class 2 output connectors employed in a cord reel shall comply with the construction and performance requirements as described in the Standard for Class 2 Power Units, UL 1310, for permanently-connected specialty (Class 2) power supply units intended for installation in outlet boxes.

Exception: A cover plate incorporating a specialty power supply unit with integral Class 2 output connector(s) that has terminations relying solely upon friction or spring pre-loaded contact to external surfaces of wire-binding screwheads shall not be employed in a cord reel.

16.22 Receptacles with integral power supplies with Class 2 output connector(s) employed in a cord reel shall comply with the construction and performance requirements for Receptacles with Integral Power Supplies with Class 2 Output Connectors as described in the Standard for Attachment Plugs and Receptacles, UL 498.

(NEW)

16A Separation of Circuits

16.1 A cord reel employing isolated secondary circuits, such as Class 2, LPS, or PS1 or PS2 circuits, shall be provided with a barrier, physically secured by means other than friction, that separates the AC power circuit conductors from the conductors of the other circuits. Bonding of the equipment grounding conductor and the referenced conductors of isolated secondary circuits is permissible.

Exception No. 1: A barrier is not required between conductors that are separated by a minimum spacing of 2 inches (50.8 mm), including lead dress.



Exception No. 2: Conductors that are suitably insulated for the maximum AC power circuit voltage involved are not required to be separated from the AC power circuit conductors, when breakage or loosening of a conductor at a terminal in either circuit cannot result in contact between uninsulated parts of one circuit and uninsulated or inadequately insulated parts of the other circuit.

Exception No. 3: For conductors other than AWM (traces on a printed-wiring board, terminals mounted on insulating blocks, and the like), the minimum separation between communication circuits and the AC.

Table 19.1**Minimum spacings, in (mm)**

Maximum voltage rating of reel, V	General-use reel				Special-use reel	
	Through air		Over surface		Through air or over surface	
0 - 50	1/16	(1.6)	1/16	(1.6)	1/16	(1.6)
51 - 250	3/32	(2.4)	3/32	(2.4)	1/16	(1.6)
251 - 600	3/8	(9.5)	1/2	(12.7)	1/4	(6.4)

MARKING**52 All Cord Reels**

52.6 A cord reel employing an output connector in compliance with 16.20 – 16.22 shall be permanently marked where visible to the user during normal operation with the following: "Class 2", "LPS", "PS1", or "PS2" as appropriate and the output electrical rating in volts and amperes and/or watts. The international symbol  for AC shall be used and  for DC. The symbol for amperes shall be "A", for volts "V" and for watts "W".

UL 508A, Standard for Safety for Industrial Control Panels**12. Field Wiring – Cable Lugs****PROPOSAL****28 Field Wiring****28.1 General**

28.1.1 A terminal, such as a pressure wire connector or wire-binding screw, shall be provided for connection of each conductor intended to be installed in the industrial control panel in the field.

Exception: Bus bars complying with 29.2.2 ~~may be used for connection of conductors~~. If the busbar is provided with a hole intended for mounting a with provisions for field installation of pressure wire connectors, cable lugs or similar termination devices that comply with 28.2.2 for connection of field wiring, are not required to be supplied with terminals when, the control panel is marked ~~shall be provided with a marking~~ in accordance with ~~54.13~~ 60.4.

~~54.13 An industrial control panel with bus bars provided with a hole intended for mounting a pressure wire connector, cable lug or similar termination device in accordance with the Exception to 28.1.1, shall be provided with a marking stating which pressure wire connector, cable lug or terminal kit is acceptable for use with the busbar.~~

60.4 An industrial control panel with bus bars intended for field installation of pressure wire connectors, cable lugs or similar termination devices in accordance with the Exception to 28.1.1, shall be provided with a marking stating the number and type of pressure wire connectors, cable lugs or terminal kit that is acceptable for use with the anticipated field wiring identified in 54.2 and for mounting to the bus bar hole pattern.

Table 52.1**Locations of required markings**

(the remainder of Table 52.1 has been truncated for clarity)

Paragraph	General description	Location categories (see notes)	
		Enclosed	Open
	Field provided components		
60.1, 60.2	Disconnect switch, branch circuit protection and/or overload relay to be provided by installer	e	e
60.3	Other devices to be provided by installer	e	e
<u>60.4</u>	<u>Pressure wire connectors, cable lugs or terminal kit provided by installer for connection to busbars</u>	<u>e</u>	<u>e</u>

BSR/UL 561, Standard for Floor-Finishing Machines

1. Type SJ Power Supply Cords for Commercial Spray Extraction Machines

PROPOSAL

10.8 For rug shampooers and extraction type floor cleaning machines, rated 300 V or less, the cord shall be Type SJ, SJO, SJT, or SJTO; for all other products, the cord shall be Type S, SO, ST, or STO; or the cord shall be of a type at least equally as serviceable for the intended use.

2. Addition of UL 969A into UL 561

PROPOSAL

46.1 The cord tag described in Exception No. 2 to [47.1](#) shall comply with:

a) Marking and Labeling Systems – Flag Labels, Flag Tags, Wrap-Around Labels and Related Products, ANSI/CAN/UL 969A, for the power-supply cord type, a minimum 60°C temperature rating, indoor-dry or indoor use, and limited slippage rating, or

b) the requirements in:

1) [46.2 - 46.5](#); and

2) The Permanence of Marking Test, Section [42](#) of this Standard, or the permanence and legibility requirements in the Standard for Marking and Labeling Systems, [UL 969](#).