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CONTENTS

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Project Initiation Notification System (PINS)

Section 2.5.1 of the *ANSI Essential Requirements* (www.ansi.org/essentialrequirements) describes the Project Initiation Notification System (PINS) and includes requirements associated with a PINS Deliberation. Following is a list of PINS notices submitted for publication in this issue of ANSI Standards Action by ANSI-Accredited Standards Developers (ASDs). Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for information about American National Standards (ANS) maintained under the continuous maintenance option, as a PINS to initiate a revision of such standards is not required. 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 interested parties wishing to receive more information or to submit comments are to contact the sponsoring ANSI-Accredited Standards Developer directly **within 30 calendar days** of the publication of this PINS announcement.

AAFS (American Academy of Forensic Sciences)

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

Revision

BSR/ASB Std 072-202x, Standard for the Validation of Procedures in Bloodstain Pattern Analysis (revision of ANSI/ASB Std 072-2019)
Stakeholders: All bloodstain pattern forensic service providers.

Project Need: New technologies are being developed throughout the forensic science community. The adoption of these technologies into procedures requires validation prior to use in casework. Validation will ensure that new procedures are based on scientific principles and are reliable, accurate, and relevant. Undertaking validation may identify areas where improvements are required and where new procedures need to be developed. This document aims to provide a framework for validation.

Interest Categories: Academics and Researchers, General Interest, Jurisprudence and Criminal Justice, User - Government, and User - Non-Government

This document provides the requirements for the validation and evaluation of procedures and methods for bloodstain pattern analysis (BPA) casework and new equipment. It also provides the requirements for the internal validation and evaluation of established procedures and methods existing within the BPA community when such procedures or equipment are being used for the first time within an agency.

AAMI (Association for the Advancement of Medical Instrumentation)

Jill Zajac <jzajac@aami.org> | 901 N. Glebe Road, Suite 300 | Arlington, VA 22203 www.aami.org

National Adoption

BSR/AAMI 23500-1-202x, Preparation and quality management of fluids for haemodialysis and related therapies — Part 1: General requirements (identical national adoption of ISO 23500-1:202x and revision of ANSI/AAMI/ISO 23500 -1-2019)

Stakeholders: Healthcare professionals, patients and medical device manufacturers

Project Need: This document is a revision of 23500-1:2019 and reflects updates that provide users with guidance for handling water and concentrates and for the production and quality oversight of dialysis fluid used for haemodialysis. The need for such guidance is based on the critical role of dialysis fluid quality in providing safe and effective haemodialysis, and the recognition that day-to-day dialysis fluid quality is under the control of the healthcare professionals who deliver dialysis therapy. This document reflects the conscientious efforts of healthcare professionals, patients and medical device manufacturers to develop recommendations for handling water and concentrates and for the production and surveillance of dialysis fluid for haemodialysis and protecting haemodialysis patients from adverse effects arising from known chemical and microbial contaminants that can be found in improperly prepared dialysis fluid. This document together with its constituent parts is directed towards the healthcare professionals involved in the management or routine care of haemodialysis patients and responsible for the quality of dialysis fluid.

Interest Categories: Industry, User, General Interest,Regulatory/Government

This document specifies the general requirements for the preparation of fluids for haemodialysis and related therapies and substitution fluid for use in online therapies, such as haemodiafiltration and haemofiltration, for dialysis practitioners. It provides guidance on the user's responsibility for fluids used in haemodialysis and related therapies once the equipment used in its preparation has been delivered and installed. Because water used to prepare dialysis fluid can also be used to reprocess dialysers not marked intended for single use, this aspect of water use is also covered by this document. This document is applicable to:

- the quality management of equipment used to treat and distribute water used for the preparation of dialysis fluid and substitution fluid, from the point at which municipal water enters the dialysis facility to the point at which the final dialysis fluid enters the dialyser or the point at which substitution fluid is infused;
- the quality management of the equipment used to prepare acid and bicarbonate concentrate from powdered or other highly concentrated media at a dialysis facility; and
- the preparation of the final dialysis fluid or substitution fluid from dialysis water and concentrates.

AAMI (Association for the Advancement of Medical Instrumentation)

Jill Zajac <jzajac@aami.org> | 901 N. Glebe Road, Suite 300 | Arlington, VA 22203 www.aami.org

National Adoption

BSR/AAMI 23500-2-202x, Preparation and quality management of fluids for haemodialysis and related therapies — Part 2:Water treatment equipment for haemodialysis applications and related therapies (identical national adoption of ISO 23500-2:202X and revision of ANSI/AAMI/ISO 23500-2-2019)

Stakeholders: Healthcare professionals, patients and medical device manufacturers

Project Need: This document is a revision of 23500-2:2019 and reflects updates that provide users with guidance for handling water and concentrates and for the production and quality oversight of dialysis fluid used for haemodialysis. The need for such guidance is based on the critical role of dialysis fluid quality in providing safe and effective haemodialysis, and the recognition that day-to-day dialysis fluid quality is under the control of the healthcare professionals who deliver dialysis therapy.

Interest Categories: Industry, User, General Interest, Regulatory/Government

This document gives guidance on individual water treatment devices and water treatment systems assembled from one or more of such devices. It is directed at the individual or company that specifies the complete water treatment system and, the supplier who assembles and installs the system. The provisions of this document are directed at the manufacturers of these devices, provided that the manufacturer indicates that the device is intended for use in the provision of water for haemodialysis and related therapies. This document is applicable to all devices, piping, and fittings between the point at which water is delivered to the water purification system and the point of use of the purified water. This document is written principally to address water treatment systems for dialysis facilities treating multiple patients. However, many of its provisions apply equally to water treatment systems used in applications where a single patient is treated, such as in a home dialysis or acute hospital dialysis setting. Specifically, requirements for the chemical and microbiological quality of water are considered to apply in all settings, regardless of whether a single patient or many patients are being treated.

ADA (Organization) (American Dental Association)

Paul Bralower <bralowerp@ada.org> | 211 East Chicago Avenue | Chicago, IL 60611-2678 www.ada.org

New Standard

BSR/ADA Standard No. 1115-202x, Dentistry - Electronic Remittance Advice for EDI and Web Portal Data Exchange Standardization (new standard)

Stakeholders: Dental practice management software vendors, dentists

Project Need: The purpose of this project is to provide criteria for a set of standardized electronic remittance advice requested by dental providers, encompassing all dental specialties and care settings.

Interest Categories: Consumer, General Interest, Producer

This standard will provide an interoperable, structured format for electronic remittance advice that can be exchanged using HIPAA-compliant technology or displayed in an internet-based web portal.

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

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

Revision

BSR/AHRI Standard 310/380 (SI/I-P)-202x, Standard for Packaged Terminal Air-Conditioners and Heat Pumps (revision of ANSI/AHRI Standard 310/380-2017 (SI/I-P))
Stakeholders: Groups and individuals known to be, or who have indicated that they are, directly and materially affected by the standard, including manufacturers, testers, regulators, and trade or professional organizations.

Project Need: A technical update to the standard, including potentially revised test procedures in response to the U.S. Department of Energy Notice of Proposed Rulemaking for packaged terminal air conditioners (PTAC) and packaged terminal heat pumps (PTHP) test procedures.

Interest Categories: Component Manufacturer, Consumer/User, General Interest, Product Manufacturer, Testing Laboratory, Regulatory Agency

The purpose of this Standard is to establish the following for packaged terminal air-conditioner and heat pump equipment: test requirements; rating requirements; minimum data requirements for published ratings; operating requirements; marking and nameplate data; and conformance conditions. This Standard applies to factory-manufactured residential, commercial, and industrial packaged terminal air-conditioners and heat pumps as defined in Clause 3 of this standard. This Standard applies to electrically operated vapour-compression refrigeration systems. This standard applies to packaged terminal air-conditioners and heat pumps intended for unducted installation, but may be employed with ductwork having external static resistance up to 25 Pa (0.1 in H2O).

ASME (American Society of Mechanical Engineers)

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

New Standard

BSR/ASME EA-10-202x, Decarbonization Assessment for Facilities (new standard)
Stakeholders: Consultants, Suppliers, Utility and Energy Services Companies, Equipment Manufacturers, Laboratories, End-Users, Distributors and Trade Associations, Academia, Industrial Assessment Centers, and Government.

Project Need: Decarbonization and net zero are topics and challenges of international importance. Industry is setting goals to reduce GHG emissions and this document will provide guidance on how to achieve those goals.

Interest Categories: AF-General Interest, AI-Laboratory/Testing, AW-User, AY-Government, AK-Manufacturer

This document sets the requirements for conducting and reporting the results of a site level decarbonization assessment for scope 1 and 2 GHG emissions in alignment with a decarbonization strategy.

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME Y14.100-202x, Engineering Drawing Practices (revision of ANSI/ASME Y14.100-2017)
Stakeholders: Aerospace, automotive, medical, designers, drafters, manufacturers, and machinists

Project Need: This standard will be updated for alignment with several recently updated Y14 standards. There are also revisions to be considered regarding advancements in technology. Additionally, revisions may occur due to several DOD change requests to be considered.

Interest Categories: AB - Designers, AF - General Interest, AI - Laboratory, AS - Producers/Manufacturers, AY - Government, AV - Trainers

This Standard establishes the essential requirements and reference documents applicable to the preparation and revision of manual or computer-generated engineering drawings and associated lists.

ASTM (ASTM International)

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

Revision

BSR/ASTM D4726-202x, Specification for Rigid Poly(Vinyl Chloride) (PVC) Exterior-Profile Extrusions Used for Assembled Windows and Doors (revision of ANSI/ASTM D4726-2018)
Stakeholders: Plastics Industry

Project Need: 5-yr Review & Reapproval

Interest Categories: Producer, User, General Interest

1.1 This specification establishes requirements for the material properties, including dimensional stability, weatherability, and extrusion quality, of rigid poly(vinyl chloride) (PVC) exterior profile extrusions used for assembled windows and doors. Methods for testing and for identifying exterior profile extrusions that comply with this specification are also provided. 1.2 The use of rigid PVC recycled plastic in this product shall be in accordance with the requirements in Section 6.

ASTM (ASTM International)

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

Revision

BSR/ASTM E1459-202x, Guide for Physical Evidence Labeling and Related Documentation (revision of ANSI/ASTM E1459-2013 (2018))
Stakeholders: Forensic Sciences Industry

Project Need: This item is due for its mandatory 5-year review. During the task group review of the document, it was determined that most of the included information is common practice and therefore the Guide should be elevated to a Practice in order to provide clearer guidance and instructions to the user.

Interest Categories: Producer, User, General Interest

This practice covers the labeling of physical evidence collected during field investigations; received; or isolated, generated, or prepared from items submitted for laboratory examination.

ASTM (ASTM International)

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

Revision

BSR/ASTM F858-202x, Specification for Hot Water Sanitizing Commercial Dishwashing Machines, Single Tank, Conveyor Rack Type (revision of ANSI/ASTM F858-2018)
Stakeholders: Food Service Equipment Industry

Project Need: 5 Year Renewal with Minor Revisions

Interest Categories: Producer, User, General Interest

1.1 This specification covers single-tank, automatic-rack conveyor-type, commercial dishwashing machines. 1.2 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard. 1.3 This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.

ASTM (ASTM International)

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

Revision

BSR/ASTM F2432-202x, Specification for Ice Making Machines, Icemaker-Dispensers, and Ice Dispensing Equipment (revision of ANSI/ASTM F2432-2012 (R2018))
Stakeholders: Food Service Industry

Project Need: Updating referenced documents

Interest Categories: Producer, User, General Interest

1.1 This specification covers requirements for commercial automatic ice making equipment. It covers the equipment and devices used in manufacturing and processing ice for human consumption and the attached equipment used in storing and dispensing ice in connection with this equipment. 1.2 This specification does not apply to icemakers of the tray type, ice vending machines, or icemakers and icemaker kits used in household refrigerators or freezers. This specification is not intended to cover block ice manufacturing plants. 1.3 The values stated in inch-pound units are to be regarded as the standard. The SI values given in parenthesis are provided for information only. 1.4 This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.

DirectTrust (DirectTrust.org, Inc.)

Stacy Clements <standards@directtrust.org> | 1629 K Street NW, Suite 300 | Washington, DC 20006 www.DirectTrust.org

New Standard

BSR/DS2023-06-100-202x, Interoperable Secure Cloud Fax (new standard)
Stakeholders: (a) Healthcare Sector, (b) Government Sector, (c) Payer Sector, (d) Consumer Sector, (e) Social Care Sector, (f) General Interest and Advocacy, (g) Information Technology Sector, (h) Interoperability and Systems Integration Sector, (i) Telecommunications Sector.

Project Need: The current state of communication in many regulated industries depends heavily on facsimile solutions. This standard will enhance the existing security attributes of facsimile by adding cross-platform and cross-organizational identity assurance, standards-based exchange of metadata, and federated standards for security. The industries which nonetheless make heavy use of facsimile communications are in need of a way to move into the modern interoperability frameworks without requiring them to make disruptive and transformative changes to existing workflows and infrastructure. Interoperable Secure Cloud Fax will enable them to attain the benefits of these modern frameworks without requiring wholesale change in underlying workflows or impractical infrastructure upgrades by providing these enhancements as part of the transmission protocol rather than requiring the senders and recipients to make substantial changes on their own.

Interest Categories: (a) Healthcare Sector, (b) Government Sector, (c) Payer Sector, (d) Consumer Sector, (e) Social Care Sector, (f) General Interest and Advocacy, (g) Information Technology Sector, (h) Interoperability and Systems Integration Sector.

The Interoperable Secure Cloud Fax standard defines a proposed American National Standard establishing the protocols and mechanisms to enable the exchange of documents via facsimile across multiple Cloud Fax platforms while providing for enhanced security, identity assurance, and non-repudiation among participants.

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

Terry Burger <terry.burger@asse-plumbing.org> | 18927 Hickory Creek Drive, Suite 220 | Mokena, IL 60448 https://www.iapmostandards.org

New Standard

BSR/IAPMO Z1403-202x, Water Demand Calculator (new standard)
Stakeholders: Plumbing engineers, plumbing and construction contractors, regulatory authorities, plumbers, pipefitters

Project Need: Plumbing systems in new home construction are routinely overbuilt, increasing housing costs because the most commonly-used pipe sizing formula is almost 90 years old – developed well before today's innovative low-flow fixtures and appliances came on the scene. Using the IAPMO Water Demand Calculator for new residential construction significantly reduces water aging, delivers hot water faster, generates significant construction cost savings, reduces the carbon footprint of the structure, and subsequently saves on water- and water heating-related energy utility bills for the entire life of the plumbing system.

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

This standard provides the methodology for accurately predicting peak water demand in single-family homes and apartment buildings, reducing the carbon footprint of the structure, and saving consumers on both their water and water heating-related energy utility bills for the entire life of the plumbing system.

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

Terry Burger <terry.burger@asse-plumbing.org> | 18927 Hickory Creek Drive, Suite 220 | Mokena, IL 60448 https://www.iapmostandards.org

New Standard

BSR/IAPMO Z1404-202x, Combined Hand-Washing Systems (new standard)
Stakeholders: Plumbing engineers, plumbing and construction contractors, regulatory authorities, plumbers, manufacturers,

Project Need: This will be the National standard superseding the approved IAPMO ORD - IGC 127. More complicated hand washing stations are becoming prevalent in the marketplace. These devices combine features from different disciplines such as plumbing, electrical, and electronic controls. There is a need to have an all-encompassing standard to define safety and performance requirements and allow for the evaluation of products.

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

This Standard covers combined hand-washing systems comprised of electronically actuated soap dispensers, faucets, and hand air-dryers, hot water on-demand or automatic activated hot water pumping systems and specifies requirements for materials, physical characteristics, performance testing, and markings

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

Terry Burger <terry.burger@asse-plumbing.org> | 18927 Hickory Creek Drive, Suite 220 | Mokena, IL 60448 https://www.iapmostandards.org

New Standard

BSR/IAPMO Z1405-202x, Elastomeric Test Caps, Cleanout Caps, and Combination Test Caps/Shielded Couplings (new standard)
Stakeholders: Plumbing engineers, plumbing and construction contractors, regulatory authorities, plumbers, manufacturers

Project Need: This will be the National standard superseding the approved IAPMO ORD – PS 90. There currently is no standard which covers these elastomeric test caps. NOTE: CSA B602 only covers coupling.

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

This Standard covers elastomeric test caps, cleanout caps, and combination test caps/shielded couplings, and specifies requirements for materials, physical characteristics, performance testing, and markings.

SCTE (Society of Cable Telecommunications Engineers)

Natasha Aden <naden@scte.org> | 140 Philips Road | Exton, PA 19341-1318 www.scte.org

Revision

BSR/SCTE 54-202x, Digital Video Service Multiplex and Transport System Standard for Cable Television (revision of ANSI/SCTE 54-2020)
Stakeholders: Cable Telecommunications Industry

Project Need: Update to current technology

Interest Categories: Producer, User, General Interest

This document describes the transport subsystem characteristics and normative specifications of the in-band Service Multiplex and Transport Subsystem Standard for Cable Television.

SCTE (Society of Cable Telecommunications Engineers)

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Revision

BSR/SCTE 103-202x, Test Method for DC Contact Resistance, Drop Cable to F connectors and F 81 Barrels (revision of ANSI/SCTE 103-2018)
Stakeholders: Cable Telecommunications Industry

Project Need: Update to current technology

Interest Categories: Producer, User, General Interest

The purpose of this test procedure is to measure the contact resistance or intimacy of contact between an F connector and the drop cable shield (outer conductor contact resistance) or the cable center conductor and the F81 barrel (inner conductor contact resistance). This method is used to evaluate the tendency for unwanted high-resistance contacts. Depending on the application, high-resistance contacts may cause excessive energy losses, overheating and possibly, in Cable Telecommunications systems, common path distortions. In any case, however, it is most desirable to have contact resistance as close to zero as possible.

SCTE (Society of Cable Telecommunications Engineers)

Natasha Aden <naden@scte.org> | 140 Philips Road | Exton, PA 19341-1318 www.scte.org

Revision

BSR/SCTE 109-202x, Test Procedure for Common Path Distortion (CPD) (revision of ANSI/SCTE 109-2020)
Stakeholders: Cable Telecommunications Industry

Project Need: Update to current technology

Interest Categories: Producer, User, General Interest

Reliable operation of today's two-way cable networks is critical, especially considering that upstream transmission in the return path includes telephone, high-speed data, and various telemetry and other signals. Common path distortion (CPD) is a type of impairment that can affect the quality of those upstream signals. This document describes test procedures for the characterization of CPD in lab and field environments. The purpose of this document is to establish the standard methodology used to measure CPD in both a lab and in a live cable network.

SCTE (Society of Cable Telecommunications Engineers)

Natasha Aden <naden@scte.org> | 140 Philips Road | Exton, PA 19341-1318 www.scte.org

Revision

BSR/SCTE 194-1-202x, DTS-HD Audio System – Part 1: Coding Constraints for Cable Television (revision of ANSI/SCTE 194-1-2018)
Stakeholders: Cable Telecommunications Industry

Project Need: Update to current technology

Interest Categories: Producer, User, General Interest

This document describes the coding constraints of the DTS-HD audio system and identifies the normative references that apply. The carriage of the streams described in this specification is defined in SCTE 194-2.

SCTE (Society of Cable Telecommunications Engineers)

Natasha Aden <naden@scte.org> | 140 Philips Road | Exton, PA 19341-1318 www.scte.org

Revision

BSR/SCTE 194-2-202x, DTS-HD Audio System – Part 2: Constraints for Carriage over MPEG-2 Transport (revision of ANSI/SCTE 194-2-2018)
Stakeholders: Cable Telecommunications Industry

Project Need: Update to current technology

Interest Categories: Producer, User, General Interest

This document describes the carriage of DTS-HD audio in MPEG-2 systems. The descriptor necessary to signal DTS-HD audio is defined in this document. Multiplexing and transport for cable using MPEG-2 systems are defined in SCTE 54. Coding constraints for DTS-HD audio elementary streams are defined in SCTE 194-1.

SCTE (Society of Cable Telecommunications Engineers)

Natasha Aden <naden@scte.org> | 140 Philips Road | Exton, PA 19341-1318 www.scte.org

Revision

BSR/SCTE 197-202x, Recommendations for Spot Check Loudness Measurements (revision of ANSI/SCTE 197-2018)
Stakeholders: Cable Telecommunications Industry

Project Need: Update to current technology

Interest Categories: Producer, User, General Interest

As part of managing the relative audio loudness of content, this document provides recommendations for measuring content carried in a single programming channel of a program network for 24-hours with an audio loudness meter consistent with the measurement techniques discussed in A/85 as well as recording the measured loudness and loudness metadata value. The document also recommends some approaches for interpretation of the measurement data and for actions to be taken.

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: February 4, 2024

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

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

Addenda

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 154-2022, Ventilation for Commercial Cooking Operations (addenda to ANSI/ASHRAE Standard 154-2022)
This addendum references listing test standard(s) for fans as a requirement for approval and avoid including specific manufacturing design/methods/details of components. The addendum also adds a Canadian UL standard to the references.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

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

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

Addenda

BSR/ASHRAE/IES Addendum g to ANSI/ASHRAE/IES Standard 90.2-2018, High-Performance Energy Design of Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.2-2018)
This proposed Independent Substantive Change to Addendum g (IAQ updates) corrects an erratum that was noted in the table for kitchen range hoods.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: February 4, 2024

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

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

Addenda

BSR/ASHRAE/IES Addendum o to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum revises Section 6.4.3.8 to ensure that all DCV systems meet the requirements of Standard 62.1, including the use of sensors and controls to limit CO2 concentration to Cmax in accordance with 62.1-2022 Addendum ab.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

EOS/ESD (ESD Association, Inc.)

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

Revision

BSR/EOS ESDA/JEDEC JS-001-202X, ESDA/JEDEC Joint Standard for Electrostatic Discharge Sensitivity Testing - Human Body Model (HBM) - Device Level (revision of ANSI/EOS ESDA/JEDEC JS-001-2023)
This standard establishes the procedure for testing, evaluating, and classifying devices and microcircuits according to their susceptibility (sensitivity) to damage or degradation by exposure to a defined human body model (HBM) electrostatic discharge (ESD). All packaged semiconductor devices, thin film circuits, acoustic wave devices, optoelectronic devices, hybrid integrated circuits (HICs), discrete, and multi-chip modules (MCMs) containing any of these devices as well as unpackaged singulated bare die, and die which are still part of a wafer are to be evaluated according to this standard.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Christina Earl, cearl@esda.org

NSF (NSF International)

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

Revision

BSR/NSF 14-202x (i138r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14 -2022)
The physical, performance, and health effects requirements in this standard apply to thermoplastic and thermoset plastic piping system components including, but not limited to, pipes, fittings, valves, joining materials, gaskets, and appurtenances.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Jason Snider <jsnider@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF 14-202x (i139r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14 -2022)
The physical, performance, and health effects requirements in this standard apply to thermoplastic and thermoset plastic piping system components including, but not limited to, pipes, fittings, valves, joining materials, gaskets, and appurtenances.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Jason Snider <jsnider@nsf.org>

Comment Deadline: February 4, 2024

ULSE (UL Standards & Engagement)

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

New Standard

BSR/UL 6288-202x, Standard for Safety for Decorative Lighting Cords (new standard)
Proposed First Edition of the Standard for Safety for Decorative Lighting Cords, Changes to 2.1, 2.2, 4.8.3, 4.16.1, 4.17.3, 4.18.1, 4.20.1, 4.21.1, 4.22.1, 4.22.2, 4.23.1, 4.23.2, 6.2.1, 6.3.3 and Tables 14 and 20
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable.

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 758-202x, The Standard for Safety for Appliance Wiring Material (revision of ANSI/UL 758-2022)
(1) Large, Bunch Stranded Conductors, Revised Table 5.9 2. Dielectric Test on Shielded Constructions, Revised 49.1.
Click here to view these changes in full
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ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | shannon.henesy@ul.org, https://ulse.org/

Revision

BSR/UL 1286-202x, Standard for Office Furnishing Systems (revision of ANSI/UL 1286-2023)
This proposal covers: (1) Addition of Requirements for Tamper-Resistant Receptacles to harmonize with NEC Article 406.12; (2) Correction to language in 31.1.
Click here to view these changes in full
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ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | griff.edwards@ul.org, https://ulse.org/

Revision

BSR/UL 1739-202x, Standard for Safety for Pilot-Operated Pressure-Control Valves for Fire-Protection Service (revision of ANSI/UL 1739-2019)
(1) Update to Standard UL 1739 – Operation Test.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

Comment Deadline: February 4, 2024

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | megan.monsen@ul.org, https://ulse.org/

Revision

BSR/UL 6142-202x, The Standard for Safety for Small Wind Turbine Systems (revision of ANSI/UL 6142-2020)
This revision of ANSI/UL 6142 includes an update of American Wind Energy Association (AWEA) references to American Clean Power Association (ACP).
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: "https://csds.ul.com/ProposalAvailable".

Comment Deadline: February 19, 2024

AAMI (Association for the Advancement of Medical Instrumentation)

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

National Adoption

BSR/AAMI/ISO 10993-17-202x, Biological evaluation of medical devices - Part 17: Toxicological risk assessment of medical device constituents (identical national adoption of ISO 10993-17:2023 (2nd Edition))
This document specifies the process and requirements for the toxicological risk assessment of medical device constituents. The methods and criteria used to assess whether exposure to a constituent is without appreciable harm are also specified. The toxicological risk assessment can be part of the biological evaluation of the final product, as described in ISO 10993-1. The process described in this document applies to chemical characterization information obtained in line with ISO 10993-18. When a toxicological risk assessment of either the compositional information or analytical chemistry data (e.g., extractable data or leachable data) are required to determine whether the toxicological risks related to the constituents are negligible or tolerable.
Single copy price: Free
Obtain an electronic copy from: cmaguwah@aami.org
Send comments (copy psa@ansi.org) to: Chenai Maguwah <cmaguwah@aami.org>

ACCA (Air Conditioning Contractors of America)

1520 Belle View Boulevard, #5220, Alexandria, VA 22307 | david.bixby@acca.org, www.acca.org

Reaffirmation

BSR/ACCA 12 QH (R202x), Home Evaluation and Performance Improvement (reaffirmation of ANSI/ACCA 12 QH -2018)
This Standard establishes minimum requirements to evaluate a residence with regards to energy efficiency, water conservation, occupant comfort, and indoor air quality. From this evaluation, improvement opportunities are presented by a design practitioner to the client so that they can select improvements that meet their needs. This standard applies to site-constructed or manufactured, one-and two-family dwellings, townhouses, and individual residential units in multifamily buildings.
Single copy price: Free
Obtain an electronic copy from: david.bixby@acca.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: February 19, 2024

ANS (American Nuclear Society)

5200 Thatcher Road, Suite 142, Downers Grove, IL 60515 | kmurdoch@ans.org, www.ans.org

Reaffirmation

BSR/ANS 8.23-2019 (R202x), Nuclear Criticality Accident Emergency Planning and Response (reaffirmation of ANSI/ANS 8.23-2019)
This standard provides criteria for minimizing risks to personnel during emergency response to a nuclear criticality accident outside reactors. The criteria address management and technical staff responsibilities, planning, equipment, evacuation, rescue, reentry, stabilization, classroom training, drills and exercises. This standard applies to facilities, locations or activities judged to have credible and non-trivial consequences from a criticality accident. This standard does not apply to nuclear power plant sites or to licensed research reactor facilities, which are addressed by other standards.
Single copy price: $131.00
Obtain an electronic copy from: orders@ans.org
Send comments (copy psa@ansi.org) to: Patricia Schroeder <pschroeder@ans.org>

ASABE (American Society of Agricultural and Biological Engineers)

2590 Niles Road, Saint Joseph, MI 49085 | stell@asabe.org, https://www.asabe.org/

National Adoption

BSR/ASABE/ISO 27850-202x MONYEAR, Tractors for agriculture and forestry - Falling object protective structures - Test procedures and performance requirements (identical national adoption of ISO 27850:2013 and revision of ANSI/ASABE/ISO 27850-2013 MAY2016 (R2020))
Correct an error in the heading of the third column in Table A.2. It should state -20°C and not -30°C.
Single copy price: $78.00
Obtain an electronic copy from: Stell@asabe.org
Send comments (copy psa@ansi.org) to: Sadie Stell, stell@asabe.org

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK72526-202x, Guide for Opinions on the Interpretation of Primer Gunshot Residue (pGSR) Analysis by Scanning Electron Microscopy/Energy Dispersive X-Ray Spectrometry (SEM/EDS) (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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New Standard

BSR/ASTM WK73482-202x, Practices for Reporting Results and Opinions of Ignitable Liquids Analysis (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
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New Standard

BSR/ASTM WK77530-202x, Practice for Forensic Integrity Training (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
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New Standard

BSR/ASTM WK78747-202x, Guide for Forensic Examination of Fibers (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Obtain an electronic copy from: accreditation@astm.org
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New Standard

BSR/ASTM WK78748-202x, Practice for Forensic Fiber Training Program (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
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New Standard

BSR/ASTM WK78749-202x, Guide for Microspectrophotometry in Forensic Fiber Analysis (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
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New Standard

BSR/ASTM WK78953-202x, Terminology Relating to Commercially Installed Basketball Equipment, Volleyball Equipment, Practice Cages and Divider Curtains for Indoor Public Venues (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
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New Standard

BSR/ASTM WK81325-202x, Specification for Pressure-Rated Polyvinylidene Fluoride (PVDF) Chemical Piping Systems (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
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New Standard

BSR/ASTM WK81724-202x, Classification for Ignitable Liquids Encountered in Fire Debris Analysis (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
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New Standard

BSR/ASTM WK81810-202x, Test Method for Performance of Compartmentalized Heated Bin Cabinets (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
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New Standard

BSR/ASTM WK82816-202x, Guide for Tennis Court Fencing and Other Perimeter Enclosures (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM E2659-2018 (R202x), Practice for Certificate Programs (reaffirmation of ANSI/ASTM E2659-2018)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM E2849-2018 (R202x), Practice for Professional Certification Performance Testing (reaffirmation of ANSI/ASTM E2849-2018)
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)
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Reaffirmation

BSR/ASTM F1023-2012 (R202x), Specification for Dispensers, Powdered Iced Tea (reaffirmation of ANSI/ASTM F1023-2012 (R2018))
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM F2855-2019 (R202x), Specification for Chlorinated Poly(Vinyl Chloride)/Aluminum/Chlorinated Poly (Vinyl Chloride) (CPVC-AL-CPVC) Composite Pressure Tubing (reaffirmation of ANSI/ASTM F2855-2019)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM F2988-2018 (R202x), Specification for Commercial Coffee Brewers (reaffirmation of ANSI/ASTM F2988-2018)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM F1371 (R202x), Specification for Vegetable Peeling Machines, Electric (reaffirmation of ANSI/ASTM F1371-2013 (R2019))
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
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ASTM (ASTM International)

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Revision

BSR/ASTM D3261-202x, Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing (revision of ANSI/ASTM D3261-2016)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM D4803-202x, Test Method for Predicting Heat Buildup in PVC Building Products (revision of ANSI/ASTM D4803-2018)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM D7445-202x, Specification for Rigid Poly(Vinyl Chloride) (PVC) Siding with Foam Plastic Backing (Backed Vinyl Siding) (revision of ANSI/ASTM D7445-2018)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM E1388-202x, Practice for Static Headspace Sampling of Vapors from Fire Debris Samples (revision of ANSI/ASTM E1388-2017)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM E2881-202x, Test Method for Extraction and Derivatization of Vegetable Oils and Fats from Fire Debris and Liquid Samples with Analysis by Gas Chromatography-Mass Spectrometry (revision of ANSI/ASTM E2881-2018)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM E2997-202x, Test Method for Analysis of Biodiesel Products by Gas Chromatography-Mass Spectrometry (revision of ANSI/ASTM E2997-2016)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM F714-202x, Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Outside Diameter (revision of ANSI/ASTM F714-2022)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM F857-202x, Specification for Hot Water and Chemical Sanitizing Commercial Dishwashing Machines, Stationary Rack Type (revision of ANSI/ASTM F857-2017)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM F860-202x, Specification for Hot Water Sanitizing Commercial Dishwashing Machines, Multiple Tank, Rackless Conveyor Type (revision of ANSI/ASTM F860-2007 (R2019))
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM F876-202x, Specification for Crosslinked Polyethylene (PEX) Tubing (revision of ANSI/ASTM F876 -2023A)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM F877-202x, Specification for Crosslinked Polyethylene (PEX) Hot- and Cold-Water Distribution Systems (revision of ANSI/ASTM F877-2023)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM F894-202x, Specification for Polyethylene (PE) Large Diameter Profile Wall Sewer and Drain Pipe (revision of ANSI/ASTM F894-2019)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM F1021-202x, Specification for Feeders, Detergent, Rinse Agent, and Sanitizing Agent for Commercial Dishwashing and Glasswashing Machines (revision of ANSI/ASTM F1021-2019)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM F1281-202x, Specification for Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe (revision of ANSI/ASTM F1281-2023A)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM F1360-202x, Specification for Ovens, Microwave, Electric (revision of ANSI/ASTM F1360-2017 (R2023))
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM F1495-202x, Specification for Combination Oven Electric or Gas Fired (revision of ANSI/ASTM F1495 -2020)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM F1733-202x, Specification for Butt Heat Fusion Polyamide (PA) Plastic Fitting for Polyamide(PA) Plastic Pipe and Tubing (revision of ANSI/ASTM F1733-2020)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM F1734-202x, Practice for Qualification of a Combination of Squeeze Tool, Pipe, and Squeeze-Off Procedures to Avoid Long-Term Damage in Polyethylene (PE) Gas Pipe (revision of ANSI/ASTM F1734-2019)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM F2092-202x, Specification for Convection Oven Gas or Electric (revision of ANSI/ASTM F2092-2014 (R2022))
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM F2389-202x, Specification for Pressure-rated Polypropylene (PP) Piping Systems (revision of ANSI/ASTM F2389-2023)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM F2623-202x, Specification for Polyethylene of Raised Temperature (PE-RT) Systems for Non-Potable Water Applications (revision of ANSI/ASTM F2623-2023)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM F2769-202x, Specification for Polyethylene of Raised Temperature (PE-RT) Plastic Hot and Cold-Water Tubing and Distribution Systems (revision of ANSI/ASTM F2769-2023A)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

ASTM (ASTM International)

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

Revision

BSR/ASTM F3253-202x, Specification for Crosslinked Polyethylene (PEX) Tubing with Oxygen Barrier for Hot- and Cold-Water Hydronic Distribution Systems (revision of ANSI/ASTM F3253-2023)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Comment Deadline: February 19, 2024

ASTM (ASTM International)

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

Revision

BSR/ASTM F3346-202x, Specification for Polyethylene of Raised Temperature/Aluminum/Polyethylene of Raised Temperature (PERT/AL/PE-RT) Composite Pressure Pipe (revision of ANSI/ASTM F3346-2019)
https://www.astm.org/get-involved/technical-committees/ansi-review
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BHMA (Builders Hardware Manufacturers Association)

17 Faulkner Drive, Niantic, CT 06357 | mtierney@kellencompany.com, www.buildershardware.com

Revision

BSR/BHMA A156.10-202x, Standard for Power Operated Pedestrian Doors (revision of ANSI/BHMA A156.10 -2017)
Requirements in this Standard apply to power-operated doors for pedestrian use which open automatically when approached by pedestrians and some small vehicular traffic or by a knowing act. Included are provisions to reduce the chance of user injury or entrapment. Power-operated doors for industrial or trained traffic are not covered in this Standard.
Single copy price: $36.00
Obtain an electronic copy from: mtierney@kellencompany.com
Send comments (copy psa@ansi.org) to: Same

BHMA (Builders Hardware Manufacturers Association)

17 Faulkner Drive, Niantic, CT 06357 | mtierney@kellencompany.com, www.buildershardware.com

Revision

BSR/BHMA A156.27-202x, Power and Manual Operated Revolving Pedestrian Doors (revision of ANSI/BHMA A156.27-2019)
Requirements in this standard apply to power operated revolving type doors which rotate automatically when approached by pedestrians, some small vehicular use, and manual revolving type doors for pedestrians. Included are provisions to reduce the chance of user injury and entrapment.
Single copy price: $36.00
Obtain an electronic copy from: mtierney@kellencompany.com
Send comments (copy psa@ansi.org) to: Same

CRRC (Cool Roof Rating Council)

2435 N. Lombard Street, Portland, OR 97217 | sarah@coolroofs.org, www.coolroofs.org

Revision

BSR/CRRC S100-202x, Standard Test Methods for Determining Radiative Properties of Materials (revision of ANSI/CRRC S100-2021)
This standard covers specimen preparation and test methods for determining the initial and aged radiative properties of roofing and exterior wall materials.
Single copy price: Free
Obtain an electronic copy from: https://coolroofs.org/resources/ansi-crrc-s100
Send comments (copy psa@ansi.org) to: Sarah Schneider <sarah@coolroofs.org>

Comment Deadline: February 19, 2024

GBI (Green Building Initiative)

PO Box 80010, Portland, 97280 | emarx@thegbi.org, www.thegbi.org

Revision

BSR/GBI 02-202X, Green Globes Assessment Protocol for Existing Buildings (revision of ANSI/GBI 02-2023)
The Standard includes criteria and practices for resource-efficient, healthy, resilient, and environmentally preferable construction of commercial existing buildings. Six areas of green building design will be included: environmental, social, and governance management; site; energy; water; materials; and indoor environment quality.
Single copy price: $40.00
Obtain an electronic copy from: https://thegbi.org/green-building-standards/green-building-standards-eb/
Send comments (copy psa@ansi.org) to: Same

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | shannon.henesy@ul.org, https://ulse.org/

Reaffirmation

BSR/UL 69-202x, Standard for Electric-Fence Controllers (reaffirmation of ANSI/UL 69-2013 (R2018))
This proposal covers: (1) Reaffirmation and continuance of the Tenth Edition of the Standard for Safety for Electric-Fence Controllers, UL 69, as an standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable.

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC | akhira.watson@ul.org, https://ulse.org/

Reaffirmation

BSR/UL 1283-2020 (R202x), Standard for Electromagnetic Interference Filters (reaffirmation of ANSI/UL 1283 -2020)
These requirements cover electromagnetic interference (EMI) filters installed on, or connected to, 1,000 V or lower potential circuits, 50 – 60 Hz, or up to 1,500 Vdc, and installed in accordance with the National Electrical Code, NFPA 70. These requirements cover filters used to attenuate unwanted radio-frequency signals (such as noise or interference) generated from electromagnetic sources. These filters consist of capacitors and inductors used alone or in combination with each other and may be provided with resistors. These requirements cover facility filters, cord-connected filters, and direct plug-in filters.
Single copy price: Free
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Send comments (copy psa@ansi.org) to: Send comments (copy psa@ansi.org) to: Follow the instructions at the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

Comment Deadline: February 19, 2024

ULSE (UL Standards & Engagement)

1603 Orrington Avenue, Suite 2000, Evanston, IL 60201 | mitchell.gold@ul.org, https://ulse.org/

Revision

BSR/UL 486F-202x, Standard for Bare and Covered Ferrules (revision of ANSI/UL 486F-2021)
The proposed third edition of the Standard for Bare and Covered Ferrules, UL 486F. These requirements cover bare and covered ferrules intended for field wiring and factory wiring for use in accordance with the National Electrical Code, ANSI/NFPA-70 and Canadian Electrical Code, Part I, CSA C22.1.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Follow the instructions at the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

Comment Deadline: March 5, 2024

ASME (American Society of Mechanical Engineers)

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

New Standard

BSR/ASME VVUQ 30.1-202x, Guide for Scaling Methodologies for Nuclear Power Systems Responses (new standard)
This Guide is focused on the scaling analysis, which is used to evaluate the effects of differences (e.g., distortions) in the phenomenological behavior of experimental facilities compared to the phenomenological behavior of the real-world system. This includes scaling analysis methodologies for supporting the design of facilities and experiments capable of generating data that characterize the phenomena present in an entire system [such facilities are known as Integral Effects Test (IETs) facilities] and in components of the system (e.g., the nuclear core or the steam generator) [such facilities are known as Separate Effects Test (SETs) facilities]. Although this best practice guidance publication is focused on nuclear system applications, many portions of the methods and techniques discussed here can be applied to other engineering systems such as in chemical processing, oil & gas production, and power generation systems based on other fuel sources.
Single copy price: Free
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Daniel Papert <papertd@asme.org>

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

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

Reaffirmation

INCITS 31-2009 [R202x], Information Technology - Codes for the Identification of Counties and Equivalent Areas of the United States, Puerto Rico, and the Insular Areas (reaffirm a national adoption INCITS 31-2009 [R2019])
Establishes a structure for the assignment of identifying data codes to counties and county equivalents of the United States and its insular and associated areas, for the purpose of information interchange among data processing systems.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org/
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Reaffirmation

INCITS 38-2009 [R202x], Information Technology - Codes for the Identification of the States and Equivalent Areas within the United States, Puerto Rico, and the Insular Areas (reaffirm a national adoption INCITS 38-2009 [R2019])
This standard establishes a structure for the assignment of identifying codes to states and state equivalents of the United States and its insular areas.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
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700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

Reaffirmation

INCITS 454-2009 [R202x], Information Technology - Codes for the Identification of Metropolitan and Micropolitan Statistical Areas and Related Statistical Areas of the United States and Puerto Rico (reaffirm a national adoption INCITS 454-2009 [R2019])
Establishes a structure for the assignment of data codes by which to uniquely identify metropolitan and micropolitan statistical areas (generically referred to as "core-based statistical areas") and related statistical areas (i.e., metropolitan divisions, combined statistical areas, New England city and town areas (NECTAs), NECTA divisions, and combined NECTAs) of the United States and Puerto Rico, for the purpose of information interchange among data processing systems.
Single copy price: $60.00
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Reaffirmation

INCITS 455-2009 [R202x], Information Technology - Codes for the Identification of Congressional Districts and Equivalent Areas of the United States, Puerto Rico, and the Insular Areas (reaffirm a national adoption INCITS 455-2009 [R2019])
This standard establishes a structure for the assignment of identifying data codes to congressional districts of the United States and its insular and associated areas, for the purpose of information interchange among data processing systems.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org/
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Reaffirmation

INCITS 502-2019 [R202x], Information technology - SCSI Primary Commands - 5 (SPC-5) (reaffirm a national adoption INCITS 502-2019)
This standard is the next generation of the SCSI Primary Commands. It follows SPC-4, SPC-3, SPC-2, and SPC. The following items should be considered for inclusion in SCSI Primary Commands 5: (a) transfer of the security feature section of SPC-4 to a new, separate standard; (b) obsolete MODE SENSE(6) and MODE SELECT(6); and (c) other capabilities that may fit within the scope of this project.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.com
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

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Reaffirmation

INCITS 532-2014 [R202x], Information Technology - Vocabulary Description and Management (reaffirm a national adoption INCITS 532-2014 [R2019])
Addresses the description and management of open vocabularies. The main purposes of this is to support data interchange and data interoperability across organizations, systems, subject, time, and geography.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org/
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Reaffirmation

INCITS 534-2019 [R202x], Information technology - Serial Attached SCSI - 4 (SAS-4) (reaffirm a national adoption INCITS 534-2019)
Serial Attached SCSI-4 is the next generation of Serial Attached SCSI, following SAS-3, SAS-2.1, SAS-2, SAS-1.1, and SAS. The following items should be considered for inclusion in Serial Attached SCSI-4: (1) at least double the SAS-3 data rate; (2) maintain 6 Gbps and 12 Gbps SAS compatibility; (3) incorporate more efficient signal encoding; and (4) other capabilities that may fit within the scope of this project.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org/
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Reaffirmation

INCITS 536-2016/AM 1-2019 [R202x], Information technology - Zoned Block Commands - Amendment 1 (ZBC-AM 1) (reaffirm a national adoption INCITS 536-2016/AM 1-2019)
Includes corrections and clarifications to ZBC, including resolution of conflicting additional sense code information.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: https://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

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

Reaffirmation

INCITS 537-2016/AM 1-2019 [R202x], Information technology - Zoned-device ATA Commands Amendment 1 (ZAC-AM 1) (reaffirm a national adoption INCITS 537-2016/AM 1-2019)
The scope will include corrections and clarifications to ZAC, including resolution of conflicting additional sense code information.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: https://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

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Reaffirmation

INCITS 540-2018/AM 1-2019 [R202x], Information technology - Fibre Channel - Non-Volatile Memory Express - Amendment 1 (FC-NVMe-AM 1) (reaffirm a national adoption INCITS 540-2018/AM 1-2019)
This project will include modifications and clarifications to FC-NVMe (INCITS 540-2018), including association termination processing.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: https://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

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Reaffirmation

INCITS 543-2019 [R202x], Information technology - Fibre Channel - Physical Interfaces - 7 (FC-PI-7) (reaffirm a national adoption INCITS 543-2019)
The FC-PI-7 standard will define the requirements for new physical layer variants that operate at higher data rates than those specified in FC-PI-6 and FC-PI-6P. The standard defines a single lane serial variant and a four lane parallel variant. It is desirable that new variants operate at similar distances as those of the corresponding variants specified in FCPI- 6 and FC-PI-6P.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: https://standards.incits.org/apps/group_public/document.php?document_id=111228&wg_abbrev=eb
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

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

Reaffirmation

INCITS 545-2019 [R202x], Information technology - Fibre Channel - Framing and Signaling - 5 (FC-FS-5) (reaffirm a national adoption INCITS 545-2019)
Recommends the development of a set of technical additions and clarifications to INCITS 488, Fibre Channel - Framing and Signaling - 4 (FC-FS-4). Included within this scope are: (a) Clarifications of existing ambiguities; (b) Any items deemed necessary to support energy efficient Fibre Channel; and (c) Any other item as deemed necessary during the development.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: https://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

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

Reaffirmation

INCITS 551-2019 [R202x], Information technology - SCSI RDMA Protocol - 2 (SRP-2) (reaffirm a national adoption INCITS 551-2019)
Remote Direct Memory Access (RDMA) is a feature of some transport protocols like Virtual Interface (VI) and InfiniBand™. SRP and SRP-2 allow devices to directly access memory in other devices on a fabric. VI has been mapped to Fibre Channel and other fabrics. The following items should be considered for inclusion into the SRP-2 standard: more efficient usage of the information units defined by SRP; and other capabilities that may fit within the scope of this project. [InfiniBand is a trademark and service mark of the InfiniBand Trade Association.]
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: https://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

Comment Deadline: March 5, 2024

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

Reaffirmation

INCITS/ISO 19115-1:2014 [R202x], Geographic information - Metadata - Part 1: Fundamentals (reaffirm a national adoption INCITS/ISO 19115-1:2014 [R2019])
Defines the schema required for describing geographic information and services by means of metadata. It provides information about the identification, the extent, the quality, the spatial and temporal aspects, the content, the spatial reference, the portrayal, distribution, and other properties of digital geographic data and services.
Single copy price: $158.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

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

Reaffirmation

INCITS/ISO 19115-2:2019 [R202x], Geographic information - Metadata - Part 2: Extensions for acquisition and processing (reaffirm a national adoption INCITS/ISO 19115-2:2019 [2019])
Defines the schema required for an enhanced description of the acquisition and processing of geographic information, including imagery. Included are the properties of measuring systems and the numerical methods and computational procedures used to derive geographic information from the data acquired by them. This document also provides the XML encoding for acquisition and processing metadata thereby extending the XML schemas defined in ISO/TS 19115-3.
Single copy price: $143.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

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

Reaffirmation

INCITS/ISO 19112:2019 [R202x], Geographic information - Spatial referencing by geographic identifiers (reaffirm a national adoption INCITS/ISO 19112:2019 [2019])
Defines the conceptual schema for spatial references based on geographic identifiers. It establishes a general model for spatial referencing using geographic identifiers and defines the components of a spatial reference system. It also specifies a conceptual scheme for a gazetteer. Spatial referencing by coordinates is addressed in ISO 19111. However, a mechanism for recording complementary coordinate references is included in this document. This document enables producers of data to define spatial reference systems using geographic identifiers and assists users in understanding the spatial references used in datasets. It enables gazetteers to be constructed in a consistent manner and supports the development of other standards in the field of geographic information.
Single copy price: $95.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

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Reaffirmation

INCITS/ISO/IEC 6523-2:1998 [R202x], Information technology - Structure for the identification of organizations and organization parts - Part 2: Registration of organization identification schemes (reaffirm a national adoption INCITS/ISO/IEC 6523-2:1998 [R2019])
Specifies the procedure for registration of organization identification schemes, and the requirements for the administration of International Code Designator values, to designate these organization identification schemes.
Single copy price: $31.00
Obtain an electronic copy from: http://webstore.ansi.org/
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Reaffirmation

INCITS/ISO/IEC 7501-1:2008 [R202x], Identification cards - Machine readable travel documents - Part 1: Machine readable passport (reaffirm a national adoption INCITS/ISO/IEC 7501-1:2008 [R2019])
Intended for use in all applications relating to machine readable passports (MRPs). It specifies the form and provides guidance on the construction of MRPs, in particular in relation to those aspects of the MRP where details of the rightful holder are presented in a form which is both visual and machine readable. It equally defines the specifications to be used by States wishing to issue an electronically enabled version of the MRP (ePassport) for secure carriage and access to an expanded set of details, including globally interoperable biometric data for confirming the presenter as the rightful holder of the ePassport.
Single copy price: $31.00
Obtain an electronic copy from: http://webstore.ansi.org/
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Reaffirmation

INCITS/ISO/IEC 7501-3:2005 [R202x], Identification cards - Machine readable travel documents - Part 3: Machine readable official travel documents (reaffirm a national adoption INCITS/ISO/IEC 7501-3:2005 [R2019])
This is a short form endorsement of the International Civil Aviation Organization (ICAO) Document Doc 9303 Part 3 - Size-1 and Size-2 Machine Readable Official Travel Documents. ICAO Doc 9303 Part 3 specifies generic formats and minimum data elements for visual inspection and machine reading of official travel documents in the ID-1 and ID-2 card formats containing standardized, globally interoperable machine readable optical character recognition (OCR) data, which may at the option of Governments, be accepted in lieu of a passport as defined in Annex 9 (Chapter 3, paragraph 3.4) to the Convention on International Civil Aviation year 1946 (as revised).
Single copy price: $31.00
Obtain an electronic copy from: http://webstore.ansi.org/
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700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

Reaffirmation

INCITS/ISO/IEC 7811-7:2018 [R202x], Identification cards -- Recording technique -- Part 7: Magnetic stripe: High coercivity, high density (reaffirm a national adoption INCITS/ISO/IEC 7811-7:2018 [2019])
Specifies requirements for a high coercivity magnetic stripe (including any protective overlay) on an identification card and encoding technique. It takes into consideration both human and machine aspects and states minimum requirements. Coercivity influences many of the quantities specified in this document but is not itself specified. The main characteristic of the high coercivity magnetic stripe is its improved resistance to erasure. This is achieved with minimal probability of damage to other magnetic stripes by contact while retaining read compatibility with magnetic stripes as defined in ISO/IEC 7811-2.
Single copy price: $95.00
Obtain an electronic copy from: http://webstore.ansi.org/
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Reaffirmation

INCITS/ISO/IEC 7816-1:2011 [R202x], Identification cards - Integrated circuit cards - Part 1: Cards with contacts - Physical characteristics (reaffirm a national adoption INCITS/ISO/IEC 7816-1:2011 [R2019])
Specifies the physical characteristics of integrated circuit cards with contacts. It applies to identification cards of the ID-1 card type, which can include embossing and/or a magnetic stripe and/or tactile identifier mark as specified in ISO/IEC 7811. Test methods are specified in ISO/IEC 10373-1. Applies to cards which have a physical interface with electrical contacts. It does not, however, define the nature, number and position of the integrated circuits in the cards.
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Reaffirmation

INCITS/ISO/IEC 7816-5:2004 [R202x], Identification cards - Integrated circuit cards - Part 5: Registration of application providers (reaffirm a national adoption INCITS/ISO/IEC 7816-5:2004 [R2019])
Defines how to use an application identifier to ascertain the presence of and/or perform the retrieval of an application in a card. The standard shows how to grant the uniqueness of application identifiers through the international registration of a part of this identifier, and defines the registration procedure, the authorities in charge thereof, the availability of the register which links the registered parts of the identifiers and the relevant application providers.
Single copy price: $47.00
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Reaffirmation

INCITS/ISO/IEC 7816-7:1999 [R202x], ID Cards - Integrated circuit cards with contacts - Part 7: Interindustry commands for Structured Card Querv Language (SCQL) (reaffirm a national adoption INCITS/ISO/IEC 7816 -7:1999 [R2019])
Specifies the concept of a SCQL database (SCQL = Structured Card Query Language based on SQL, see ISO 9075) and the related interindustry enhanced commands.
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Reaffirmation

INCITS/ISO/IEC 7816-9:2017 [R202x], Identification cards - Integrated circuit cards - Part 9: Commands for card management (reaffirm a national adoption INCITS/ISO/IEC 7816-9:2017 [2019])
Specifies interindustry commands for card, file and other structure management, i.e. data object and security object. These commands cover the entire life cycle of the card and therefore some commands are used before the card has been issued to the cardholder or after the card has expired. For details on record life cycle status, refer to ISO/IEC 7816-4. This standard is not applicable to the internal implementation within the card and/or the outside world.
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Reaffirmation

INCITS/ISO/IEC 7816-10:1999 [R202x], Identification cards - Integrated circuit(s) cards with contacts - Part 10: Electronic signals and answer to reset for synchronous cards (reaffirm a national adoption INCITS/ISO/IEC 7816 -10:1999 [R2019])
Specifies the power, signal structures, and the structure for the answer to reset between an integrated circuit(s) card with synchronous transmission and an interface device such as a terminal. The specifications in ISO/IEC 7816-3 apply where appropriate, unless otherwise stated here. It also covers signal rates, operating conditions, and communication with the integrated circuit(s) card. This part of ISO/IEC 7816 specifies two types of synchronous cards: type 1 and type 2.
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Reaffirmation

INCITS/ISO/IEC 7816-15:2016 [R202x], Identification cards -- Integrated circuit cards -- Part 15: Cryptographic information application (reaffirm a national adoption INCITS/ISO/IEC 7816-15:2016 [2019])
Specifies an application in a card. This application contains information on cryptographic functionality. This part of ISO/IEC 7816 defines a common syntax and format for the cryptographic information and mechanisms to share this information whenever appropriate.
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Reaffirmation

INCITS/ISO/IEC 9541-4:2009 [R202x], Information technology - Font information interchange - Part 4: Harmonization to Open Font Format (reaffirm a national adoption INCITS/ISO/IEC 9541-4:2009 [R2019])
Specifies the architecture of font resources, as well as the formats for font interchange among information processing systems. It also specifies the architecture and formats that can be used to construct font references in general electronic document interchange. Specifies the correspondences between ISO/IEC 9541 font resource and ISO/IEC 14496-22 Open Font Format file (OFF), to define ISO/IEC 9541 font resource from a given OFF file. The classification (required or optional), syntax, and possible values of the properties are defined in ISO/IEC 9541-1 and ISO/IEC 9541-2. The glyph shape representation and its interpretation are defined in ISO/IEC 9541 -3.
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Reaffirmation

INCITS/ISO/IEC 9797-1:2011 [R202x], Information technology - Security techniques - Message Authentication Codes (MACs) - Part 1: Mechanisms using a block cipher (reaffirm a national adoption INCITS/ISO/IEC 9797 -1:2011 [R2019])
Specifies six MAC algorithms that use a secret key and an n-bit block cipher to calculate an m-bit MAC. Can be applied to the security services of any security architecture, process, or application. Key management mechanisms are outside the scope of ISO/IEC 9797-1:2011. Specifies object identifiers that can be used to identify each mechanism in accordance with ISO/IEC 8825-1. Numerical examples and a security analysis of each of the six specified algorithms are provided, and the relationship of ISO/IEC 9797-1:2011 to previous standards is explained.
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Reaffirmation

INCITS/ISO/IEC 9798-3:2019 [R202x], IT Security techniques - Entity authentication - Part 3: Mechanisms using digital signature techniques (reaffirm a national adoption INCITS/ISO/IEC 9798-3:2019 [2019])
Specifies entity authentication mechanisms using digital signatures based on asymmetric techniques. A digital signature is used to verify the identity of an entity. Ten mechanisms are specified in this document. The first five mechanisms do not involve an on-line trusted third party and the last five make use of on-line trusted third parties. In both of these two categories, two mechanisms achieve unilateral authentication and the remaining three achieve mutual authentication.
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Reaffirmation

INCITS/ISO/IEC 9798-4:1999 [R202x], Information Technology - Security techniques - Entity authentication - Part 4: Mechanisms using a cryptographic check function (reaffirm a national adoption INCITS/ISO/IEC 9798-4:1999 [R2019])
Specifies entity authentication mechanisms using a cryptographic check function. Two mechanisms are concerned with the authentication of a single entity (unilateral authentication), while the remaining are mechanisms for mutual authentication of two entities. The mechanisms specified use time variant parameters such as time stamps, sequence numbers, or random numbers, to prevent valid authentication information from being accepted at a later time or more than once. If a time stamp or sequence number is used, one pass is needed for unilateral authentication, while two passes are needed to achieve mutual authentication. If a challenge and response method employing random numbers is used, two passes are needed for unilateral authentication, while three passes are required to achieve mutual authentication
Single copy price: $38.00
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Reaffirmation

INCITS/ISO/IEC 10021-8:1999 [R202x], Information Technology - Message Handling Systems (MHS) - Part 8: Electronic Data Interchange Messaging Service (reaffirm a national adoption INCITS/ISO/IEC 10021-8:1999 [R2019])
Defines the overall system and service of EDI messaging. Other aspects of message handling systems and services are defined in other parts of ISO/IEC 10021. The layout of Standards | Recommendations defining the message handling system and services is shown in table 1 of ISO/IEC 10021-1 | ITU-T Recommendation X/F.400. The public services built on MHS, as well as access to and from the MHS for public services are defined in the ITU-T's F.400-Series of Recommendations. The technical aspects of MHS are defined in the multi part series numbered ISO/IEC 10021 and ITU-T's X.400-Series of Recommendations. The overall system architecture of MHS is defined in ISO/IEC 10021-2 | ITU-T Recommendation X.402. The technical aspects of EDI messaging are defined in ISO/IEC 10021-9 | ITU-T Recommendation X.435.
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Reaffirmation

INCITS/ISO/IEC 10021-9:1999 [R202x], Information Technology - Message Handling Systems (MHS) - Part 9: Electronic Data Interchange Messaging System (reaffirm a national adoption INCITS/ISO/IEC 10021-9:1999 [R2019])
Provides a comprehensive blueprint for a Message Handling System (MHS) realized by any number of cooperating open systems. The purpose of an MHS is to enable users to exchange messages on a store-and-forward basis. A message submitted on behalf of one user, the originator, is conveyed by the Message Transfer System (MTS) and subsequently delivered to the agents of one or more additional users, the recipients. Access Units (AU) link the MTS to communication systems of other kinds (e.g. postal systems). A user is assisted in the preparation, storage, and display of messages by a User Agent (UA). Optionally, it is assisted in the storage of messages by a Message Store (MS). The MTS comprises a number of Message Transfer Agents (MTA) which collectively perform the store-and-forward message transfer function. This Recommendation | International Standard defines the message handling application called EDI messaging (EDIMG), a form of message handling tailored for exchange of Electronic Data Interchange (EDI) information, a new message content type and associated procedures known as Pedi. It is designed to meet the requirements of users of ISO 9735 (EDIFACT), and other commonly used EDI systems.
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Reaffirmation

INCITS/ISO/IEC 10118-1:2016 [R202x], Information technology - Security techniques - Hash-functions - Part 1: General (reaffirm a national adoption INCITS/ISO/IEC 10118-1:2016 [2019])
Specifies hash-functions and is therefore applicable to the provision of authentication, integrity and non-repudiation services. Hash-functions map strings of bits of variable (but usually upper bounded) length to fixed-length strings of bits, using a specified algorithm.
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Reaffirmation

INCITS/ISO/IEC 10118-3:2018 [R202x], IT Security techniques - Hash-functions - Part 3: Dedicated hash-functions (reaffirm a national adoption INCITS/ISO/IEC 10118-3:2018 [2019])
Specifies dedicated hash-functions, i.e., specially designed hash-functions. The hash-functions in this document are based on the iterative use of a round-function. Distinct round-functions are specified, giving rise to distinct dedicated hash-functions. The use of Dedicated Hash-Functions 1, 2, and 3 in new digital signature implementations is deprecated.
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Reaffirmation

INCITS/ISO/IEC 10118-4:1998/AM 1:2014 [R202x], Information technology - Security techniques - Hash-functions - Part 4: Hash-functions using modular arithmetic - Amendment 1: Object identifiers (reaffirm a national adoption INCITS/ISO/IEC 10118-4:1998/AM 1:2014 [2019])
Amendment 1 to ISO/IEC 10118-4:1998.
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Reaffirmation

INCITS/ISO/IEC 10118-4:1998/COR 1:2014 [R202x], Information technology - Security techniques - Hash-functions - Part 4: Hash-functions using modular arithmetic - Technical Corrigendum 1 (reaffirm a national adoption INCITS/ISO/IEC 10118-4:1998/COR 1:2014 [2019])
Technical Corrigendum 1 to ISO/IEC 10118-4:1998
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Reaffirmation

INCITS/ISO/IEC 10746-2:2009 [R202x], Information technology - Open distributed processing - Reference model - Part 2: Foundations (reaffirm a national adoption INCITS/ISO/IEC 10746-2:2009 [R2019])
Provides a coordinating framework for the standardization of open distributed processing (ODP). This supports distribution, interworking, portability, and platform and technology independence. It establishes an enterprise architecture framework for the specification of ODP systems. Defines the essential concepts necessary to specify open distributed processing systems from five prescribed viewpoints.
Single copy price: $95.00
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Reaffirmation

INCITS/ISO/IEC 10746-3:2009 [R202x], Information technology - Open distributed processing - Reference model: Architecture - Part 3 (reaffirm a national adoption INCITS/ISO/IEC 10746-3:2009 [R2019])
Provides a coordinating framework for the standardization of open distributed processing (ODP). This supports distribution, interworking, portability, and platform and technology independence. It establishes an enterprise architecture framework for the specification of ODP systems. Defines the essential concepts necessary to specify open distributed processing systems from five prescribed viewpoints. It provides a well-developed framework for the structuring of specifications for large-scale, distributed systems.
Single copy price: $143.00
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Reaffirmation

INCITS/ISO/IEC 10918-4:1999 [R202x], Information technology - Digital compression and coding of continuous-tone still images: Registration of JPEG profiles, SPIFF profiles, SPIFF tags, SPIFF colour spaces, APPn markers, SPIFF compression types and Registration Authorities (reaffirm a national adoption INCITS/ISO/IEC 10918 -4:1999 [R2019])
Provides for the unique registration of JPEG and SPIFF Profiles, SPIFF Tags, SPIFF colour Spaces, application specific Markers, SPIFF Compression types and images Registration authorities as defined in the CCITT Rec. T.81 | ISO/IEC 10918-1 and ITU-T Rec. T.84 | ISO/IEC 10918-3. Unless otherwise specified, (P)rofiles, (T)ags, colour (S)paces, (M)arkers, (C)ompression types and image (R)egistration authorities will be referred to as PTSMCR items. ISO/IEC JTC 1 SC 29 will delegate to a designated Authority the role to collect, study, approve, register, and disseminate the relevant information to allow for the customization of JPEG standard.
Single copy price: $110.00
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Reaffirmation

INCITS/ISO/IEC 10918-3:1997/AM1:1999 [R202x], Information technology - Digital compression and coding of continuous-tone still images: Extensions - Amendment 1: Provisions to allow registration of new compression types and versions in the SPIFF header (reaffirm a national adoption INCITS/ISO/IEC 10918-3:1997/AM1:1999 [R2019])
Amendment 1 to ISO/IEC 10918-3:1997
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Reaffirmation

INCITS/ISO/IEC 11179-4:2004 [R202x], Information technology - Metadata registries (MDR) - Part 4: Formulation of data elements (reaffirm a national adoption INCITS/ISO/IEC 11179-4:2004 [R2019])
Specifies requirements and recommendations for constructing definitions for data and metadata. Only semantic aspects of definitions are addressed; specifications for formatting the definitions are deemed unnecessary for the purposes of ISO/IEC 11179.
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Reaffirmation

INCITS/ISO/IEC 11693-1:2012 [R202x], Identification cards - Optical memory cards - Part 1: General characteristics (reaffirm a national adoption INCITS/ISO/IEC 11693-1:2012 [R2019])
Specifies the optical properties and characteristics of optical memory cards using the linear recording method.
Single copy price: $31.00
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Reaffirmation

INCITS/ISO/IEC 11694-1:2012 [R202x], Identification cards - Optical memory cards - Linear recording method - Part 1: Physical characteristics (reaffirm a national adoption INCITS/ISO/IEC 11694-1:2012 [R2019])
Defines the physical characteristics of optical memory cards using the linear recording method.
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Reaffirmation

INCITS/ISO/IEC 11694-2:2012 [R202x], Identification cards - Optical memory cards - Linear recording method - Part 2: Dimensions and Location of the Accessible Optical Area (reaffirm a national adoption INCITS/ISO/IEC 11694-2:2012 [R2019])
Defines the dimensions and location of the accessible optical area of optical memory cards with ID-1 dimensions using the linear recording method.
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Reaffirmation

INCITS/ISO/IEC 11770-2:2018 [R202x], IT Security techniques - Key management - Part 2: Mechanisms using symmetric techniques (reaffirm a national adoption INCITS/ISO/IEC 11770-2:2018 [2019])
Document defines key establishment mechanisms using symmetric cryptographic techniques. Addresses three environments for the establishment of keys: Point-to-Point, Key Distribution Centre (KDC), and Key Translation Centre (KTC). It describes the required content of messages which carry keying material or are necessary to set up the conditions under which the keying material can be established. This document does not indicate other information which can be contained in the messages or specify other messages such as error messages. The explicit format of messages is not within the scope of this document.
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Reaffirmation

INCITS/ISO/IEC 11770-6:2016 [R202x], Information technology - Security techniques - Key management - Part 6: Key derivation (reaffirm a national adoption INCITS/ISO/IEC 11770-6:2016 [2019])
Specifies key derivation functions, i.e. functions which take secret information and other (public) parameters as input and output one or more "derived" secret keys. Key derivation functions based on MAC algorithms and on hash-functions are specified.
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Reaffirmation

INCITS/ISO/IEC 11889-1:2015 [R202x], Information technology - Trusted platform module library - Part 1: Architecture (reaffirm a national adoption INCITS/ISO/IEC 11889-1:2015 [2019])
Defines the architectural elements of the Trusted Platform Module (TPM), a device which enables trust in computing platforms in general. Some TPM concepts are explained adequately in the context of the TPM itself. Other TPM concepts are explained in the context of how a TPM helps establish trust in a computing platform. When describing how a TPM helps establish trust in a computing platform, ISO/IEC 11889-1:2015 provides some guidance for platform requirements.
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Reaffirmation

INCITS/ISO/IEC 11889-2:2015 [R202x], Information technology - Trusted Platform Module Library - Part 2: Structures (reaffirm a national adoption INCITS/ISO/IEC 11889-2:2015 [2019])
Contains the definitions of the constants, flags, structure, and union definitions used to communicate with the TPM. Values defined in ISO/IEC 11889-2:2015 are used by the TPM commands defined in ISO/IEC 11899-3 and by the functions in ISO/IEC 11889-4.
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Reaffirmation

INCITS/ISO/IEC 11889-3:2015 [R202x], Information technology - Trusted Platform Module Library - Part 3: Commands (reaffirm a national adoption INCITS/ISO/IEC 11889-3:2015 [2019])
Contains the definitions of the Trusted Platform Module (TPM) commands. These commands make use of the constants, flags, structures, and union definitions defined in ISO/IEC 11889-2.
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Reaffirmation

INCITS/ISO/IEC 11889-4:2015 [R202x], Information technology -- Trusted Platform Module Library -- Part 4: Supporting Routines (reaffirm a national adoption INCITS/ISO/IEC 11889-4:2015 [2019])
Contains C code that describes the algorithms and methods used by the command code in ISO/IEC 11889-3. The code in ISO/IEC 11889-4:2015 augments ISO/IEC 11889-2 and ISO/IEC 11889-3 to provide a complete description of a TPM, including the supporting framework for the code that performs the command actions.
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Reaffirmation

INCITS/ISO/IEC 13250-2:2006 [R202x], Information technology - Topic Maps - Part 2: Data model (reaffirm a national adoption INCITS/ISO/IEC 13250-2:2006 [R2019])
Specifies the Topic Maps data model. It defines the abstract structure and interpretation of topic maps, the rules for merging topic maps and a set of fundamental subject identifiers. The purpose of the data model is to define the interpretation of the Topic Maps interchange syntax, and to serve as a foundation for the definition of supporting standards for canonicalization, querying, constraints, etc.
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Reaffirmation

INCITS/ISO/IEC 13250-3:2013 [R202x], Information technology - Topic Maps - Part 3: XML syntax (reaffirm a national adoption INCITS/ISO/IEC 13250-3:2013 [R2019])
Defines an XML-based interchange syntax for Topic Maps, which can be used to interchange instances of the data model defined in ISO/IEC 13250-2. It also defines a mapping from the interchange syntax to the data model. The syntax is defined with a RELAX-NG schema, and more precision is provided through the mapping to the data model, which effectively also defines the interpretation of the syntax.
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Reaffirmation

INCITS/ISO/IEC 13250-4:2009 [R202x], Information technology - Topic Maps - Part 4: Canonicalization (reaffirm a national adoption INCITS/ISO/IEC 13250-4:2009 [R2019])
Defines a format known as Canonical XTM, or CXTM for short. The format is an XML format, and has the property that it guarantees that two equivalent Topic Maps Data Model instances (ISO/IEC 13250-2) will always produce byte-by-byte identical serializations, and that non-equivalent instances will always produce different serializations. CXTM thus enables direct comparison of two topic maps to determine equality by comparison of their canonical serializations. The purpose of CXTM is to allow the creation of test suites for various Topic Maps-related technologies that are easily portable between different Topic Maps implementations, so long as these support CXTM. CXTM is not intended to be used for the interchange of topic maps, although this is possible. The standard format for interchange of topic maps is XTM (ISO/IEC 13250-3).
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Reaffirmation

INCITS/ISO/IEC 13818-2:2013 [R202x], Information technology -- Generic coding of moving pictures and associated audio information: Video (reaffirm a national adoption INCITS/ISO/IEC 13818-2:2013 [R2019])
Specifies the coded representation of picture information for digital storage media and digital video communication and specifies the decoding process. The representation supports constant bitrate transmission, variable bitrate transmission, random access, channel hopping, scalable decoding, bitstream editing, as well as special functions such as fast forward playback, fast reverse playback, slow motion, pause and still pictures.
Single copy price: $158.00
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Reaffirmation

INCITS/ISO/IEC 13818-4:2004 [R202x], Information Technology - Generic coding of moving pictures and associated audio information - Part 4: Conformance testing (reaffirm a national adoption INCITS/ISO/IEC 13818 -4:2004 [R2019])
Specifies how tests can be designed to verify whether bistreams and decoders meet requirements specified in parts 1, 2, and 3 of ISO/IEC 13818. In this part of ISO/IEC 13818, encoders are not addressed specifically. An encoder may be said to be an ISO/IEC 13818 encoder if it generates bitstreams compliant with the syntactic and semantic bitstream requirements specified in parts 1, 2, and 3 of ISO/IEC 13818.
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Reaffirmation

INCITS/ISO/IEC 13818-7:2006 [R202x], Information technology - Generic coding of moving pictures and associated audio information - Part 7: Advance Audio Coding (AAC) (reaffirm a national adoption INCITS/ISO/IEC 13818-7:2006 [R2019])
Describes the MPEG-2 audio non-backwards compatible standard called MPEG-2 Advanced Audio Coding, AAC [1], a higher quality multichannel standard than achievable while requiring MPEG-1 backwards compatibility. This MPEG-2 AAC audio standard allows for ITU-R indistinguishable quality according to [2] at data rates of 320 kbit/s for five full-bandwidth channel audio signals.
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Reaffirmation

INCITS/ISO/IEC 13818-10:1999 [R202x], Information Technology - Generic coding of moving pictures and associated audio information - Part 10: Conformance extensions for Digital Storage Media Command and Control (DSM-CC) (reaffirm a national adoption INCITS/ISO/IEC 13818-10:1999 [R2019])
Defines compliance to Data Storage Media Command and Control (DSMCC) standard in 2 steps: the static review and the dynamic review as defined in ISO/IEC 9646 Conformance Testing standard [1, 2, 31]. The static review requirements are specified in clause 4 of this part of ISO/IEC 13818 in the form of Protocol Implementation Conformance Statement (PICS) proforma. The ATS used for dynamic review is described in clause 5. This part of ISO/IEC 13818 does not specify all the requirements with which terminal equipment intended for use in conjunction with multimedia information retrieval services has to comply. In particular, this part of ISO/IEC 13818 does not specify (lower layer) protocols to be used to deliver/transport DSM-CC protocol data units. Neither does it specify requirements related to safety, protection, and electromagnetic compatibility (EMC) of the equipment, or regulatory requirements with which such equipment may be required to comply.
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Reaffirmation

INCITS/ISO/IEC 13818-4:2004/AM1:2005 [R202x], Information Technology - Generic Coding of Moving Pictures and Associated Audio Information - Part 4: Conformance Testing - Amendment 1: MPEG-2 IPMP conformance testing (reaffirm a national adoption INCITS/ISO/IEC 13818-4:2004/AM1:2005 [R2019])
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Reaffirmation

INCITS/ISO/IEC 13818-4:2004/AM2:2005 [R202x], Information technology - Generic coding of moving pictures and associated audio information - Part 4: Conformance testing - Amendment 2: Additional audio conformance test sequences (reaffirm a national adoption INCITS/ISO/IEC 13818-4:2004/AM2:2005 [R2019])
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Reaffirmation

INCITS/ISO/IEC 13818-6:1998/AM2:2000 [R202x], Information technology -- Generic coding of moving pictures and associated audio information -- Part 6: Extensions for DSM-CC Amendment 2: Additions to support synchronized download services, opportunistic data services and resource announcement in broadcast and interactive services (reaffirm a national adoption INCITS/ISO/IEC 13818-6:1998/AM2:2000 [R2019])
Amendment 2 to ISO/IEC 13818-6:1998
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Reaffirmation

INCITS/ISO/IEC 13818-7:2006/AM1:2007 [R202x], Information technology - Generic coding of moving pictures and associated audio information - Part 7: Advanced Audio Coding (AAC) - Amendment 1: Transport of MPEG Surround in AAC (reaffirm a national adoption INCITS/ISO/IEC 13818-7:2006/AM1:2007 [R2019])
Amendment 1 to ISO/IEC 13818-7:2006
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Reaffirmation

INCITS/ISO/IEC 14496-11:2015 [R202x], Information technology -- Coding of audio-visual objects -- Part 11: Scene description and application engine (reaffirm a national adoption INCITS/ISO/IEC 14496-11:2015 [2019])
Specifies the coded representation of the spatio-temporal positioning of audio-visual objects as well as their behavior in response to interaction (scene description); the Extensible MPEG-4 Textual (XMT) format, a textual representation of the multimedia content described in ISO/IEC 14496 using the Extensible Markup Language (XML); and a system level description of an application engine (format, delivery, lifecycle, and behavior of downloadable Java byte code applications).
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Reaffirmation

INCITS/ISO/IEC 14496-13:2004 [R202x], Information technology - Coding of audio-visual objects - Part 13: Intellectual Property Management and Protection (IPMP) extensions (reaffirm a national adoption INCITS/ISO/IEC 14496-13:2004 [R2019])
Specifies the definition, as well as Extension tags, syntax and semantics for an IPMP_Data_BaseClass to support the following functionalities. Mutual Authentication for IPMP tool to IPMP tool as well as IPMP tool to Terminal communication.
Single copy price: $143.00
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Reaffirmation

INCITS/ISO/IEC 14496-16:2011 [R202x], Information technology - Coding of audio-visual objects - Part 16: Animation Framework eXtension (AFX) (reaffirm a national adoption INCITS/ISO/IEC 14496-16:2011 [R2019])
Specifies MPEG-4 Animation Framework eXtension (AFX) model for representing and encoding 3D graphics assets to be used standalone or integrated in interactive multimedia presentations (the latter when combined with other parts of MPEG-4). Within this model, MPEG-4 is extended with higher-level synthetic objects for geometry, texture, and animation as well as dedicated compressed representations.
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Reaffirmation

INCITS/ISO/IEC 14496-17:2006 [R202x], Information technology - Coding of audio-visual objects - Part 17: Streaming text format (reaffirm a national adoption INCITS/ISO/IEC 14496-17:2006 [R2019])
Developed in response to the need for a generic method for coding of text at very low bitrate as one of the multimedia components within an audiovisual presentation. Allows for example subtitles and Karaoke song texts to be coded and transported as separate text streams at bitrates that are sufficiently low for use in mobile services over IP.
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Reaffirmation

INCITS/ISO/IEC 14496-18:2004 [R202x], Information technology - Coding of audio-visual objects - Part 18: Font compression and streaming (reaffirm a national adoption INCITS/ISO/IEC 14496-18:2004 [R2019])
This standard is part of the MPEG-4 suite of International Standards. It specifies font data representation, compression and streaming, providing an efficient mechanism to embed font data in MPEG-4 encoded presentations. It also defines MPEG-4 Text profiles and levels. The (MPEG-4) series has been developed by MPEG (Motion Picture Experts Group) and defines the set of technologies for compression, encoding and delivery of complex audio-visual scenes composed of different media objects: video objects (natural or synthetic video); audio objects; still images; text and vector graphics; computer-animated images. MPEG-4 provides a standardized way to represent the content of audio-visual objects; describe the composition of these objects in compound media scenes; encode, multiplex and synchronize the data associated with the media objects transport the media presentation over different channels; interact with the audio-visual scene at the receiver's end. An essential part of almost any media presentation involves text objects that are created using specific or custom fonts.
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Reaffirmation

INCITS/ISO/IEC 14496-19:2004 [R202x], Information technology - Coding of audio-visual objects - Part 19: Synthesized texture stream (reaffirm a national adoption INCITS/ISO/IEC 14496-19:2004 [R2019])
Specifies the transmission of synthesized texture data as part of the MPEG-4 encoded audio-visual presentation. More specifically, it defines: The data structures of synthesized texture; The animation methods of synthesized textures; and The coded representation of synthesized texture data streams. Synthesized texture streams are used for creation of very low bit rate synthetic video clips. Synthesized texture clips are built using key frame-based animations of skeletons that affect photorealistic textures whose color information is modeled by equations.
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Reaffirmation

INCITS/ISO/IEC 14496-21:2006 [R202x], Information technology - Coding of audio-visual objects - Part 21: MPEG-J Graphics Framework eXtensions (GFX) (reaffirm a national adoption INCITS/ISO/IEC 14496-21:2006 [R2019])
Describes a lightweight programmatic environment for advanced interactive multi-media applications. Designed for limited resources devices such as mobile phones, Graphics Framework eXtenstions (GFX) offer a framework that marries a subset of the MPEG standard Java application environment (MPEG-J) with a Java API for accessing 3D renderers, and with other standard Java APIs from a selected profile.
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Reaffirmation

INCITS/ISO/IEC 14496-22:2019 [R202x], Information technology -- Coding of audio-visual objects -- Part 22: Open Font Format (reaffirm a national adoption INCITS/ISO/IEC 14496-22:2019 [2019])
Specifies the Open Font Format (OFF) specification, including the TrueType and Compact Font Format (CFF) outline formats. Many references to both TrueType and PostScript exist throughout this document, as Open Font Format fonts combine the two technologies. The document defines data structures for various font tables, and provides the necessary details for developers to build a font rendering and text layout/shaping engines in compliance with this document.
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Reaffirmation

INCITS/ISO/IEC 14496-23:2008 [R202x], Information technology - Coding of audio-visual objects - Part 23: Symbolic Music Representation (reaffirm a national adoption INCITS/ISO/IEC 14496-23:2008 [R2019])
Specifies Symbolic Music Representation (SMR). A symbolic representation of music is a logical structure based on: (1) symbolic elements representing audiovisual events, (2) the relationship between those events, and (3) aspects related to how those events can be rendered (visually as music notation or audibly) and synchronized with other media types.
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Reaffirmation

INCITS/ISO/IEC 14496-25:2011 [R202x], Information technology - Coding of audio-visual objects - Part 25: 3D Graphics Compression Model (reaffirm a national adoption INCITS/ISO/IEC 14496-25:2011 [R2019])
Describes a model for connecting 3D graphics compression tools defined in ISO/IEC 14496 to graphics primitives defined in any other standard, specification or recommendation. The goal of ISO/IEC 14496-25:2011 is to specify an architectural model able to accommodate third-party XML based descriptions of scene graph and graphics primitives with (potential) binarization tools and with MPEG-4 3D graphics compression tools specified in ISO/IEC 14496-2, ISO/IEC 14496-11, and ISO/IEC 14496-16.
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Reaffirmation

INCITS/ISO/IEC 14496-2:2004/AM1:2004 [R202x], Information Technology - Coding of Audio-Visual Objects - Part 2: Visual - Amendment 1: Error resilient simple scalable profile (reaffirm a national adoption INCITS/ISO/IEC 14496-2:2004/AM1:2004 [R2019])
Amendment 1 to ISO/IEC 14496-2:2004
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Reaffirmation

INCITS/ISO/IEC 14496-2:2004/AM2:2005 [R202x], Information Technology - Coding Of Audio-Visual Objects - Part 2: Visual Amendment 2: New Levels for Simple Profile (reaffirm a national adoption INCITS/ISO/IEC 14496 -2:2004/AM2:2005 [R2019])
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Reaffirmation

INCITS/ISO/IEC 14496-2:2004/AM3:2007 [R202x], Information technology - Coding of audio-visual objects - Part 2: Visual - Amendment 3: Support for colour spaces (reaffirm a national adoption INCITS/ISO/IEC 14496-2:2004/AM3:2007 [R2019])
Amendment 3 to ISO/IEC 14496-2:2004
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Reaffirmation

INCITS/ISO/IEC 14496-2:2004/AM4:2008 [R202x], Information technology -- Coding of audio-visual objects -- Part 2: Visual - Amendment 4: Simple profile level 6 (reaffirm a national adoption INCITS/ISO/IEC 14496-2:2004/AM4:2008 [R2019])
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Reaffirmation

INCITS/ISO/IEC 14496-4:2004/AM 1:2005 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 1: Conformance testing for MPEG-4 (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM1:2005 [R2019])
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Reaffirmation

INCITS/ISO/IEC 14496-4:2004/AM 2:2005 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 2: MPEG-4 conformance extensions for XMT and media nodes (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM2:2005 [R2019])
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Reaffirmation

INCITS/ISO/IEC 14496-4:2004/AM 3:2005 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 3: Visual new levels and tools (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM3:2005 [R2019])
Amendment 3 to ISO/IEC 14496-4:2004.
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Reaffirmation

INCITS/ISO/IEC 14496-4:2004/AM 4:2005 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 4: IPMPX conformance extensions (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM4:2005 [R2019])
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Reaffirmation

INCITS/ISO/IEC 14496-4:2004/AM 5:2005 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 5: Conformance extensions for error-resilient simple scalable profile (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM5:2005 [R2019])
Amendment 5 to ISO/IEC 14496-4:2004.
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Reaffirmation

INCITS/ISO/IEC 14496-4:2004/AM 6:2005 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 6: Advanced Video Coding conformance (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM6:2005 [R2019])
Amendment 6 to ISO/IEC 14496-4:2004.
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Reaffirmation

INCITS/ISO/IEC 14496-4:2004/AM 7:2005 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 7: AFX conformance extensions (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM7:2005 [R2019])
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Reaffirmation

INCITS/ISO/IEC 14496-4:2004/AM 9:2006 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 9: AVC fidelity range extensions conformance (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM9:2006 [R2019])
Amendment 9 to ISO/IEC 14496-4:2004.
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Reaffirmation

INCITS/ISO/IEC 14496-5:2001/AM4:2004 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 4: IPMPX reference software extensions (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM4:2004 [R2019])
Amendment 4 to ISO/IEC 14496-5:2001.
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Reaffirmation

INCITS/ISO/IEC 14496-5:2001/AM5:2004 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 5: Reference software extensions for error resilient simple scalable profile (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM5:2004 [R2019])
Amendment 5 to ISO/IEC 14496-5:2001.
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Reaffirmation

INCITS/ISO/IEC 14496-5:2001/AM6:2005 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 6: Advanced Video Coding (AVC) and High Efficiency Advanced Audio Coding (HE AAC) reference software (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM6:2005 [R2019])
Amendment 6 to ISO/IEC 14496-5:2001.
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Reaffirmation

INCITS/ISO/IEC 14496-5:2001/AM7:2005 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 7: AFX reference software extensions (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM7:2005 [R2019])
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Reaffirmation

INCITS/ISO/IEC 14496-5:2001/AM8:2006 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 8: AVC fidelity range extensions reference software (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM8:2006 [R2019])
Amendment 8 to ISO/IEC 14496-5:2001.
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Reaffirmation

INCITS/ISO/IEC 14496-5:2001/AM9:2007 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 9: Morphing & Textures reference software (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM9:2007 [R2019])
Amendment 9 to ISO/IEC 14496-5:2001.
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Reaffirmation

INCITS/ISO/IEC 14496-4:2004/AM17:2007 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 17: Advanced text and 2D graphics conformance (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM17:2007 [R2019])
Amendment 17 to ISO/IEC 14496-4:2004
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Reaffirmation

INCITS/ISO/IEC 14496-4:2004/AM 23:2008 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 23: Synthesized texture conformance (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM23:2008 [R2019])
Amendment 23 to ISO/IEC 14496-4:2004.
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Reaffirmation

INCITS/ISO/IEC 14496-4:2004/AM 24:2008 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 24: File format conformance (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM24:2008 [R2019])
Amendment 24 to ISO/IEC 14496-4:2004.
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Reaffirmation

INCITS/ISO/IEC 14496-4:2004/AM 25:2008 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 25: LASeR and SAF conformance (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM25:2008 [R2019])
Amendment 25 to ISO/IEC 14496-4:2004.
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Reaffirmation

INCITS/ISO/IEC 14496-4:2004/AM 26:2008 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 26: Conformance levels and bitstreams for Open Font Format (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM26:2008 [R2019])
Amendment 26 to ISO/IEC 14496-4:2004.
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Reaffirmation

INCITS/ISO/IEC 14496-4:2004/AM 27:2008 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 27: LASeR and SAF extensions conformance (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM27:2008 [R2019])
Amendment 27 to ISO/IEC 14496-4:2004.
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Reaffirmation

INCITS/ISO/IEC 14496-4:2004/AM 28:2008 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 28: Conformance extensions for simple profile level 6 (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM28:2008 [R2019])
Amendment 28 to ISO/IEC 14496-4:2004.
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Reaffirmation

INCITS/ISO/IEC 14496-4:2004/AM 29:2008 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 29: Symbolic Music Representation conformance (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM29:2008 [R2019])
Amendment 29 to ISO/IEC 14496-4:2004.
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Reaffirmation

INCITS/ISO/IEC 14496-5:2001/AM10:2007 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 10: SSC, DST, ALS and SLS reference software (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM10:2007 [R2019])
Amendment 10 to ISO/IEC 14496-5:2001.
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Reaffirmation

INCITS/ISO/IEC 14496-5:2001/AM11:2007 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 11: MPEG-J GFX Reference software (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM11:2007 [R2019])
Amendment 11 to ISO/IEC 14496-5:2001.
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Reaffirmation

INCITS/ISO/IEC 14496-5:2001/AM12:2007 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 12: Updated file format reference software (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM12:2007 [R2019])
Amendment 12 to ISO/IEC 14496-5:2001.
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Reaffirmation

INCITS/ISO/IEC 14496-5:2001/AM13:2008 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 13: Geometry and shadow reference software (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM13:2008 [R2019])
Amendment 13 to ISO/IEC 14496-5:2001.
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Reaffirmation

INCITS/ISO/IEC 14496-5:2001/AM 16:2008 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 16: Symbolic Music Representation reference software (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM16:2008 [R2019])
Amendment 16 to ISO/IEC 14496-5:2001.
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Reaffirmation

INCITS/ISO/IEC 14888-2:2008 [R202x], Information technology - Security techniques - Digital signatures with appendix - Part 2: Integer factorization based mechanisms (reaffirm a national adoption INCITS/ISO/IEC 14888-2:2008 [R2019])
Specifies digital signatures with appendix whose security is based on the difficulty of factoring the modulus in use. For each signature scheme, it specifies: the relationships and constraints between all the data elements required for signing and verifying; a signature mechanism, i.e. how to produce a signature of a message with the data elements required for signing; a verification mechanism, i.e. how to verify a signature of a message with the data elements required for verifying.
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Reaffirmation

INCITS/ISO/IEC 15444-6:2013 [R202x], Information technology - JPEG 2000 image coding system - Part 6: Compound image file format (reaffirm a national adoption INCITS/ISO/IEC 15444-6:2013 [R2019])
Defines a normative but optional file format for storing compound images using the JPEG 2000 file format family architecture. A compound image is an image that may contain scanned images, synthetic images or both, and that preferably requires a mix of continuous tone and bi-level compression methods. Besides defining a binary container for a mix of continuous-tone and bi-level images, this format defines a composition model that describes how the multiple images are combined to generate a compound image. This composition model is based on the multi-layer Mixed Raster Content (MRC) imaging model, defined in ITU-T T.44 | ISO/IEC 16485. The name of the file format defined in this part is JPEG 200 Multi-layer or JPM. A JPM file uses the file format architecture specified in ITU-T Rec T.800 | ISO/IEC 15444-1.
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Reaffirmation

INCITS/ISO/IEC 15444-11:2007 [R202x], Information technology - JPEG 2000 image coding system: Wireless (reaffirm a national adoption INCITS/ISO/IEC 15444-11:2007 [R2019])
Provides a syntax that allows JPEG 2000 coded image data to be protected for transmission over wireless channels and networks. Protection services include error detection and correction capability for header and bitstream, description of the error sensitivity of different portions of the compressed data, and description of possible residual errors in the compressed data. The syntax allows these protection services to be applied to coded image data in part or in their entirety. These services are designed so as to maintain the inherent features of JPEG 2000, such as scalability and access to various spatial areas, resolution levels, colour components and quality layers, while providing protection services on these elements.
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Reaffirmation

INCITS/ISO/IEC 15444-13:2008 [R202x], Information technology - JPEG 2000 image coding system: An entry level JPEG 2000 encoder (reaffirm a national adoption INCITS/ISO/IEC 15444-13:2008 [R2019])
Defines a normative entry level JPEG 2000 encoder providing one or more optional complete encoding paths that use various features defined in ISO/IEC 15444. It provides for an entry-level encoder that can be used in various applications with guidelines on its use, based on patents for which royalty and license fee free declarations are available. Defines a set of lossless (bit-preserving) and lossy compression methods for coding bi-level, continuous-tone greyscale, palletized colour, or continuous-tone colour digital still images.
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Reaffirmation

INCITS/ISO/IEC 15938-9:2005 [R202x], Information technology - Multimedia content description interface - Part 9: Profiles and levels (reaffirm a national adoption INCITS/ISO/IEC 15938-9:2005 [R2019])
Collects standard profiles and levels for MPEG-7, specified across all parts of ISO/IEC 15938. While all parts are potential candidates for profiling, current profiles concentrate on the Description definition language [ISO/IEC 15938-2], Visual [ISO/IEC 15938-3], Audio [ISO/IEC 15938-4], Multimedia description schemes [ISO/IEC 15938 -5], which are based on the namespace versioning defined in Schema definition [ISO/IEC 15938-10]. Provides a set of well-defined definitions and processing rules for description profile and description level, where: A description profile provides a means of selecting and constraining description tools from the MPEG-7 schema, thereby constraining conforming descriptions in their content. A description profile generally limits the use of description tools to subsets of the description tools defined in MPEG-7. The description tools in a description profile support a set of functionalities for a certain class of applications.
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Reaffirmation

INCITS/ISO/IEC 15938-10:2005 [R202x], Information technology - Multimedia content description Interface - Part 10: Schema definition (reaffirm a national adoption INCITS/ISO/IEC 15938-10:2005 [R2019])
Specifies a metadata system for describing multimedia content. It specifies the schema definition across all parts of ISO/IEC 15938. ISO/IEC 15938-10:2005 collects together the description tools specified in ISO/IEC 15938, assigns a namespace designator, and specifies the resulting syntax description in a single schema using description definition language from ISO/IEC 15938-2.
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Reaffirmation

INCITS/ISO/IEC 15938-1:2002/AM 1:2005 [R202x], Information technology - Multimedia content description interface - Part 1: Systems - Amendment 1: Systems extensions (reaffirm a national adoption INCITS/ISO/IEC 15938-1:2002/AM1:2005 [R2019])
Amendment 1 to ISO/IEC 15938-1:2002.
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Reaffirmation

INCITS/ISO/IEC 15938-1:2002/AM 2:2006 [R202x], Information technology - Multimedia content description interface - Part 1: Systems - Amendment 2: Fast access extension (reaffirm a national adoption INCITS/ISO/IEC 15938-1:2002/AM2:2006 [R2019])
Amendment 2 to ISO/IEC 15938-1:2002.
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Reaffirmation

INCITS/ISO/IEC 15938-3:2002/AM1:2004 [R202x], Information technology - Multimedia content description interface - Part 3: Visual - Amendment 1: Visual extensions (reaffirm a national adoption INCITS/ISO/IEC 15938 -3:2002/AM1:2004 [R2019])
Amendment 1 to ISO/IEC 15938-3:2002.
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Reaffirmation

INCITS/ISO/IEC 15938-3:2002/AM2:2006 [R202x], Information technology - Multimedia content description interface - Part 3: Visual - Amendment 2: Perceptual 3D Shape Descriptor (reaffirm a national adoption INCITS/ISO/IEC 15938-3:2002/AM2:2006 [R2019])
Amendment 2 to ISO/IEC 15938-3:2002.
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Reaffirmation

INCITS/ISO/IEC 15938-4:2002/AM1:2004 [R202x], Information technology - Multimedia content description interface - Part 4: Audio - Amendment 1: Audio extensions (reaffirm a national adoption INCITS/ISO/IEC 15938 -4:2002/AM1:2004 [R2019])
Amendment 1 to ISO/IEC 15938-4:2002.
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Reaffirmation

INCITS/ISO/IEC 15938-4:2002/AM2:2006 [R202x], Information technology - Multimedia content description interface - Part 4: Audio - Amendment 2: High-level descriptors (reaffirm a national adoption INCITS/ISO/IEC 15938-4:2002/AM2:2006 [R2019])
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Reaffirmation

INCITS/ISO/IEC 15938-5:2003/AM 1:2004 [R202x], Information technology - Multimedia content description interface - Part 5: Multimedia description schemes - Amendment 1: Multimedia description schemes extensions (reaffirm a national adoption INCITS/ISO/IEC 15938-5:2003/AM1:2004 [R2019])
Amendment 1 to ISO/IEC 15938-5:2003.
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Reaffirmation

INCITS/ISO/IEC 15938-5:2003/AM 2:2005 [R202x], Information technology - Multimedia content description interface - Part 5: Multimedia description schemes - Amendment 2: Multimedia description schemes user preference extensions (reaffirm a national adoption INCITS/ISO/IEC 15938-5:2003/AM2:2005 [R2019])
Amendment 2 to ISO/IEC 15938-5:2003.
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Reaffirmation

INCITS/ISO/IEC 15938-5:2003/AM 3:2008 [R202x], Information technology - Multimedia content description interface - Part 5: Multimedia description schemes - Amendment 3: Improvements to geographic descriptor (reaffirm a national adoption INCITS/ISO/IEC 15938-5:2003/AM3:2008 [R2019])
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Reaffirmation

INCITS/ISO/IEC 15938-7:2003/AM1:2005 [R202x], Information technology - Multimedia content description interface - Part 7: Conformance testing - Amendment 1: Conformance extensions (reaffirm a national adoption INCITS/ISO/IEC 15938-7:2003/AM1:2005 [R2019])
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Reaffirmation

INCITS/ISO/IEC 15938-7:2003/AM2:2007 [R202x], Information technology - Multimedia content description interface - Part 7: Conformance testing - Amendment 2: Fast access extensions conformance (reaffirm a national adoption INCITS/ISO/IEC 15938-7:2003/AM2:2007 [R2019])
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Reaffirmation

INCITS/ISO/IEC 15938-7:2003/AM3:2007 [R202x], Information technology - Multimedia content description interface - Part 7: Conformance testing - Amendment 3: Conformance testing of perceptual 3D shape descriptor (reaffirm a national adoption INCITS/ISO/IEC 15938-7:2003/AM3:2007 [R2019])
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Reaffirmation

INCITS/ISO/IEC 15938-7:2003/AM4:2008 [R202x], Information technology - Multimedia content description interface - Part 7: Conformance testing - Amendment 4: Improvements to geographic descriptor conformance (reaffirm a national adoption INCITS/ISO/IEC 15938-7:2003/AM4:2008 [R2019])
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Reaffirmation

INCITS/ISO/IEC 15946-1:2016 [R202x], Information technology -- Security techniques -- Cryptographic techniques based on elliptic curves -- Part 1: General (reaffirm a national adoption INCITS/ISO/IEC 15946-1:2016 [2019])
Describes the mathematical background and general techniques necessary for implementing the elliptic curve cryptography mechanisms defined in ISO/IEC 15946-5, ISO/IEC 9796-3, ISO/IEC 11770-3, ISO/IEC 14888-3, ISO/IEC 18033-2 and other ISO/IEC standards. The standard does not specify the implementation of the techniques it defines. For example, it does not specify the basis representation to be used when the elliptic curve is defined over a finite field of characteristic two. Thus, interoperability of products complying with ISO/IEC 15946-1:2016 will not be guaranteed.
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Reaffirmation

INCITS/ISO/IEC 18013-1:2018 [R202x], Information technology -- Personal identification -- ISO-compliant driving license -- Part 1: Physical characteristics and basic data set (reaffirm a national adoption INCITS/ISO/IEC 18013-1:2018 [2019])
Establishes guidelines for the design format and data content of an ISO-compliant driving licence (IDL) in regard to both visual human-readable features and ISO machine-readable technologies. It creates a common basis for international use and mutual recognition of the IDL without impeding individual national/community/regional motor vehicle authorities in taking care of their specific needs.
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Reaffirmation

INCITS/ISO/IEC 18023-1:2006 [R202x], Information technology - SEDRIS - Part 1: Functional specification (reaffirm a national adoption INCITS/ISO/IEC 18023-1:2006 [R2019])
Addresses the concepts, syntax and semantics for the representation and interchange of environmental data. It specifies: a data representation model for expressing environmental data; specifications of the data types and classes that together constitute the data representation model; and an application program interface that supports the storage and retrieval of environmental data using the data representation model.
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Reaffirmation

INCITS/ISO/IEC 18023-3:2006 [R202x], Information technology - SEDRIS - Part 3: Transmittal format binary encoding (reaffirm a national adoption INCITS/ISO/IEC 18023-3:2006 [R2019])
Defines a binary encoding for DRM objects specified in ISO/IEC 18023-1 according to the abstract syntax specified in ISO/IEC 18023-2.
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Reaffirmation

INCITS/ISO/IEC 18024-4:2006 [R202x], Information technology - SEDRIS language bindings - Part 4: C (reaffirm a national adoption INCITS/ISO/IEC 18024-4:2006 [R2019])
Specifies a language-dependent layer for the C programming language. ISO/IEC 18023-1 specifies a language-independent application program interface (API) for SEDRIS. For integration into a programming language, the SEDRIS API is embedded in a language-dependent layer obeying the particular conventions of that language.
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Reaffirmation

INCITS/ISO/IEC 18033-5:2015 [R202x], Information technology -- Security techniques -- Encryption algorithms -- Part 5: Identity-based ciphers (reaffirm a national adoption INCITS/ISO/IEC 18033-5:2015 [2019])
Specifies identity-based encryption mechanisms. For each mechanism the functional interface, the precise operation of the mechanism, and the ciphertext format are specified. However, conforming systems may use alternative formats for storing and transmitting ciphertexts.
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Reaffirmation

INCITS/ISO/IEC 18041-4:2016 [R202x], Information technology -- Computer graphics, image processing and environmental data representation -- Environmental Data Coding Specification (EDCS) language bindings -- Part 4: C (reaffirm a national adoption INCITS/ISO/IEC 18041-4:2016 [2019])
Specifies the binding of the application programming interface (API) defined in ISO/IEC 18025 to the C programming language.
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Reaffirmation

INCITS/ISO/IEC 18042-4:2006 [R202x], Information technology - Computer graphics and image processing - Spatial Reference Model (SRM) language bindings - Part 4: C (reaffirm a national adoption INCITS/ISO/IEC 18042 -4:2006 [R2019])
This document has been packaged as a zipped file to facilitate its downloading. Where the zip file contains a Readme file, it is essential to consult this file to understand the way in which the document has been structured. Be sure to save all the files in the same folder to ensure that any links between the files function.
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Reaffirmation

INCITS/ISO/IEC 18370-1:2016 [R202x], Information technology -- Security techniques -- Blind digital signatures -- Part 1: General (reaffirm a national adoption INCITS/ISO/IEC 18370-1:2016 [2019])
Specifies principles, including a general model, a set of entities, a number of processes, and general requirements for blind digital signature mechanisms, as well as the following variants of blind digital signature mechanisms: blind signature mechanisms with partial disclosure; blind signature mechanisms with selective disclosure; traceable blind signature mechanisms. It also contains terms, definitions, abbreviated terms and figure elements that are used in all parts of ISO/IEC 18370. See Annex A for a comparison on the blind digital signature mechanisms.
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Reaffirmation

INCITS/ISO/IEC 18370-2:2016 [R202x], Information technology -- Security techniques -- Blind digital signatures -- Part 2: Discrete logarithm based mechanisms (reaffirm a national adoption INCITS/ISO/IEC 18370-2:2016 [2019])
Specifies blind digital signature mechanisms, together with mechanisms for three variants of blind digital signatures. The variants are blind digital signature mechanisms with partial disclosure, blind digital signature mechanisms with selective disclosure and traceable blind digital signature mechanisms. The security of all the mechanisms in ISO/IEC 18370-2:2016 is based on the discrete logarithm problem.
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Reaffirmation

INCITS/ISO/IEC 18384-1:2016 [R202x], Information technology - Reference Architecture for Service Oriented Architecture (SOA RA) - Part 1: Terminology and concepts for SOA (reaffirm a national adoption INCITS/ISO/IEC 18384-1:2016 [2019])
Establishes vocabulary, guidelines, and general technical principles underlying service oriented architecture (SOA), including principles relating to functional design, performance, development, deployment, and management.
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Reaffirmation

INCITS/ISO/IEC 18384-2:2016 [R202x], Information technology - Reference Architecture for Service Oriented Architecture (SOA RA) - Part 2: Reference Architecture for SOA Solutions (reaffirm a national adoption INCITS/ISO/IEC 18384-2:2016 [2019])
Describes a Reference Architecture for SOA Solutions which applies to functional design, performance, development, deployment and management of SOA Solutions. It includes a domain-independent framework, addressing functional requirements and non-functional requirements, as well as capabilities and best practices to support those requirements.
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Reaffirmation

INCITS/ISO/IEC 18384-3:2016 [R202x], Information technology - Reference Architecture for Service Oriented Architecture (SOA RA) - Part 3: Service Oriented Architecture ontology (reaffirm a national adoption INCITS/ISO/IEC 18384-3:2016 [2019])
Defines a formal ontology for service-oriented architecture (SOA), an architectural style that supports service orientation. The terms defined in this ontology are key terms from the vocabulary in ISO/IEC 18384-1.
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Reaffirmation

INCITS/ISO/IEC 19086-1:2016 [R202x], Information technology - Cloud computing - Service level agreement (SLA) framework - Part 1: Overview and concepts (reaffirm a national adoption INCITS/ISO/IEC 19086-1:2016 [2019])
Seeks to establish a set of common cloud SLA building blocks (concepts, terms, definitions, contexts) that can be used to create cloud Service Level Agreements (SLAs). This document specifies: (a) an overview of cloud SLAs, (b) identification of the relationship between the cloud service agreement and the cloud SLA, (c) concepts that can be used to build cloud SLAs, and (d) terms commonly used in cloud SLAs.
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Reaffirmation

INCITS/ISO/IEC 19086-3:2017 [R202x], Information technology - Cloud computing - Service level agreement (SLA) framework - Part 3: Core conformance requirements (reaffirm a national adoption INCITS/ISO/IEC 19086-3:2017 [2019])
Specifies the core conformance requirements for service level agreements (SLAs) for cloud services based on ISO/IEC 19086-1 and guidance on the core conformance requirements. This document is for the benefit of and use by both cloud service providers and cloud service customers. The standard does not provide a standard structure that would be used for cloud SLAs.
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Reaffirmation

INCITS/ISO/IEC 19592-1:2016 [R202x], Information technology -- Security techniques -- Secret sharing -- Part 1: General (reaffirm a national adoption INCITS/ISO/IEC 19592-1:2016 [2019])
Specifies cryptographic secret sharing schemes and their properties. This document defines the parties involved in a secret sharing scheme, the terminology used in the context of secret sharing schemes, the parameters and the properties of such a scheme.
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Reaffirmation

INCITS/ISO/IEC 19592-2:2017 [R202x], Information technology -- Security techniques -- Secret sharing -- Part 2: Fundamental mechanisms (reaffirm a national adoption INCITS/ISO/IEC 19592-2:2017 [2019])
Specifies cryptographic secret sharing schemes.
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Reaffirmation

INCITS/ISO/IEC 19757-2:2008 [R202x], Information technology - Document Schema Definition Language (DSDL) - Part 2: Regular-grammar-based validation - RELAX NG (reaffirm a national adoption INCITS/ISO/IEC 19757 -2:2008 [R2019])
Specifies RELAX NG, a schema language for XML. A RELAX NG schema specifies a pattern for the structure and content of an XML document. The pattern is specified by using a regular tree grammar. It establishes requirements for RELAX NG schemas and specifies when an XML document matches the pattern specified by a RELAX NG schema.
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Reaffirmation

INCITS/ISO/IEC 19757-8:2008 [R202x], Information technology - Document Schema Definition Languages (DSDL) - Part 8: Document Semantics Renaming Language (DSRL) (reaffirm a national adoption INCITS/ISO/IEC 19757-8:2008 [R2019])
Specifies a mechanism that allows users to assign locally meaningful names to XML elements, attributes, entities and processing instructions, without having to completely rewrite the Document Type Definition (DTD) or schema against which they are to be validated. In addition, ISO/IEC 19757-8:2008 provides an XML-based format for declaring the replacement text for entity references and provides a mechanism that allows users to define default values for both element content and attribute values.
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Reaffirmation

INCITS/ISO/IEC 19757-9:2008 [R202x], Information technology - Document Schema Definition Languages (DSDL) - Part 9: Namespace and datatype declaration in Document Type Definitions (DTDs) (reaffirm a national adoption INCITS/ISO/IEC 19757-9:2008 [R2019])
Defines a language that is designed to extend the declarative functionality of an XML Document Type Definition (DTD) to include declaring one or more namespaces to which some or all of the element and attribute names in a DTD belong, declaring constraints on the content of elements with content model ANY to contain elements whose names belong to one or more specified namespaces, declaring datatypes for elements that contain data content only and for attribute values.
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Reaffirmation

INCITS/ISO/IEC 19775-1:2013 [R202x], Information technology - Computer graphics, image processing and environmental data representation - Extensible 3D (X3D) - Part 1: Architecture and base components (reaffirm a national adoption INCITS/ISO/IEC 19775-1:2013 [R2019])
Defines a software system that integrates network-enabled 3D graphics and multimedia. Conceptually, each X3D application is a 3D time-based space that contains graphic and aural objects that can be dynamically modified through a variety of mechanisms. Defines the architecture and base components of X3D.
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Reaffirmation

INCITS/ISO/IEC 19776-2:2015 [R202x], Information technology -- Computer graphics, image processing and environmental data representation -- Extensible 3D (X3D) encodings -- Part 2: Classic VRML encoding (reaffirm a national adoption INCITS/ISO/IEC 19776-2:2015 [2019])
Defines a system that integrates 3D graphics and multimedia. Conceptually, each X3D file is a 3D time-based space that contains graphic and aural objects that can be dynamically modified through a variety of mechanisms. This part of ISO/IEC 19776 defines a mapping of the abstract objects in X3D to a specific encoding using the technique defined in ISO/IEC 14772 - Virtual reality modeling language (VRML).
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Reaffirmation

INCITS/ISO/IEC 19785-4:2010/COR1:2013 [R202x], Information technology -- Common Biometric Exchange Formats Framework (CBEFF) -- Part 4: Security block format specifications -- TECHNICAL CORRIGENDUM 1 (reaffirm a national adoption INCITS/ISO/IEC 19785-4:2010/COR1:2013 [R2019])
Technical Corrigendum 1 to ISO/IEC 19785-4:2010.
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Reaffirmation

INCITS/ISO/IEC 19794-7:2014 [R202x], Information technology - Biometric data interchange formats - Part 7: Signature/sign time series data (reaffirm a national adoption INCITS/ISO/IEC 19794-7:2014 [R2019])
Specifies data interchange formats for signature/sign behavioural data captured in the form of a multi-dimensional time series using devices such as digitizing tablets or advanced pen systems. The data interchange formats are generic, in that they may be applied and used in a wide range of application areas where handwritten signs or signatures are involved. No application-specific requirements or features are addressed in ISO/IEC 19794-7:2014.
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Reaffirmation

INCITS/ISO/IEC 19794-8:2006 [R202x], Information technology - Biometric data interchange formats - Part 8: Finger pattern skeletal data (reaffirm a national adoption INCITS/ISO/IEC 19794-8:2006 [R2019])
Specifies the interchange format for the exchange of pattern-based skeletal fingerprint recognition data. The data format is generic, in that it may be applied and used in a wide range of application areas where automated fingerprint recognition is involved. The defined exchange format describes all characteristics of a fingerprint in a small data record. Thus it allows for the extraction of both spectral information (orientation, frequency, phase, etc.) and features (minutiae, core, ridge count, etc.). Transformations like translation and rotation can also be accommodated by the format defined herein. Supports the proliferation of low-cost commercial fingerprint sensors with limited coverage, dynamic range, or resolution. Thus it defines a data record that can be used to store biometric information on a variety a storage media (including, but not limited to, portable devices and smart cards).
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Reaffirmation

INCITS/ISO/IEC 19794-1:2011/AM 1:2013 [R202x], Information technology - Biometric data interchange formats - Part 1: Framework Amendment 1: Conformance testing methodology (reaffirm a national adoption INCITS/ISO/IEC 19794-1:2011/AM1:2013 [R2019])
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Reaffirmation

INCITS/ISO/IEC 19794-4:2011/COR1:2012 [R202x], Information technology - Biometric data interchange formats - Part 4: Finger image data - Technical Corrigendum 1 (reaffirm a national adoption INCITS/ISO/IEC 19794-4:2011/COR1:2012 [R2019])
Technical Corrigendum 1 to ISO/IEC 19794-4:2011.
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Reaffirmation

INCITS/ISO/IEC 19794-4:2011/AM1:2013 [R202x], Information technology - Biometric data interchange formats - Part 4: Finger image data Amendment 1: Conformance testing methodology and clarification of defects (reaffirm a national adoption INCITS/ISO/IEC 19794-4:2011/AM1:2013 [R2019])
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Reaffirmation

INCITS/ISO/IEC 19794-5:2011/AM1:2014 [R202x], Information technology - Biometric data interchange formats - Part 5: Face image data - Amendment 1: Conformance testing methodology and clarification of defects (reaffirm a national adoption INCITS/ISO/IEC 19794-5:2011/AM1:2014 [R2019])
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Reaffirmation

INCITS/ISO/IEC 19794-6:2011/COR1:2012 [R202x], Information technology - Biometric data interchange formats - Part 6: Iris image data - Technical Corrigendum 1 (reaffirm a national adoption INCITS/ISO/IEC 19794-6:2011/COR1:2012 [R2019])
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Reaffirmation

INCITS/ISO/IEC 19795-2:2007 [R202x], Information technology - Biometric performance testing and reporting - Part 2: Testing methodologies for technology and scenario evaluation (reaffirm a national adoption INCITS/ISO/IEC 19795-2:2007 [R2019])
Addresses two specific biometric performance testing methodologies: technology and scenario evaluation. The large majority of biometric tests are of one of these two generic evaluation types. Technology evaluations evaluate enrollment and comparison algorithms by means of previously collected corpuses, while scenario evaluations evaluate sensors and algorithms by processing of samples collected from Test Subjects in real time. The former is intended for generation of large volumes of comparison scores and candidate lists indicative of the fundamental discriminating power of an algorithm. The latter is intended for measurement of performance in modeled environments, inclusive of Test Subject-system interactions. Provides requirements and recommendations on data collection, analysis and reporting specific to the two primary types of evaluation: technology evaluation and scenario evaluation. It specifies requirements in the following areas: development and full description of protocols for technology and scenario evaluations; execution and reporting of biometric evaluations reflective of the parameters associated with biometric evaluation types.
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Reaffirmation

INCITS/ISO/IEC 19795-4:2008 [R202x], Information technology - Biometric performance testing and reporting - Part 4: Interoperability performance testing (reaffirm a national adoption INCITS/ISO/IEC 19795-4:2008 [R2019])
Prescribes methods for technology and scenario evaluations of multi-supplier biometric systems that use biometric data conforming to biometric data interchange format standards. It specifies requirements needed to assess performance available from samples formatted according to a standard interchange format (SIF), performance available when samples formatted according to a SIF are exchanged, performance available from samples formatted according to a SIF, relative to proprietary data formats, SIF interoperability by quantifying cross-product performance relative to single-product performance, performance available from multi-sample and multimodal data formatted according to one or more SIFs, and performance interoperability of biometric capture devices.
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Reaffirmation

INCITS/ISO/IEC 19896-1:2018 [R202x], IT security techniques -- Competence requirements for information security testers and evaluators -- Part 1: Introduction, concepts and general requirements (reaffirm a national adoption INCITS/ISO/IEC 19896-1:2018 [2019])
Defines terms and establishes an organized set of concepts and relationships to understand the competency requirements for information security assurance conformance-testing and evaluation specialists, thereby establishing a basis for shared understanding of the concepts and principles central to the ISO/IEC 19896 series across its user communities. It provides fundamental information to users of the ISO/IEC 19896 series.
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Reaffirmation

INCITS/ISO/IEC 19896-2:2018 [R202x], IT security techniques -- Competence requirements for information security testers and evaluators -- Part 2: Knowledge, skills and effectiveness requirements for ISO/IEC 19790 testers (reaffirm a national adoption INCITS/ISO/IEC 19896-2:2018 [2019])
Provides the minimum requirements for the knowledge, skills and effectiveness requirements of individuals performing testing activities for a conformance scheme using ISO/IEC 19790 and ISO/IEC 24759.
Single copy price: $88.00
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Reaffirmation

INCITS/ISO/IEC 19896-3:2018 [R202x], IT security techniques -- Competence requirements for information security testers and evaluators -- Part 3: Knowledge, skills and effectiveness requirements for ISO/IEC 15408 evaluators (reaffirm a national adoption INCITS/ISO/IEC 19896-3:2018 [2019])
Provides the specialized requirements to demonstrate competence of individuals in performing IT product security evaluations in accordance with ISO/IEC 15408 (all parts) and ISO/IEC 18045.
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Reaffirmation

INCITS/ISO/IEC 20008-1:2013 [R202x], Information technology - Security techniques - Anonymous digital signatures - Part 1: General (reaffirm a national adoption INCITS/ISO/IEC 20008-1:2013 [R2019])
Specifies principles, including a general model, a set of entities, a number of processes, and general requirements for the following two categories of anonymous digital signature mechanisms: signature mechanisms using a group public key, and signature mechanisms using multiple public keys.
Single copy price: $76.00
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Reaffirmation

INCITS/ISO/IEC 20008-2:2013 [R202x], Information technology - Security techniques - Anonymous digital signatures - Part 2: Mechanisms using a group public key (reaffirm a national adoption INCITS/ISO/IEC 20008 -2:2013 [R2019])
Specifies anonymous digital signature mechanisms, in which a verifier makes use of a group public key to verify a digital signature. It provides a general description of an anonymous digital signature mechanism using a group public key; a variety of mechanisms that provide such anonymous digital signatures. For each mechanism, it specifies the process for generating group member signature keys and a group public key; the process for producing signatures; the process for verifying signatures; the process for opening signatures (if the mechanism supports opening); the process for linking signatures (if the mechanism supports linking); the process for revoking group members.
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Reaffirmation

INCITS/ISO/IEC 20009-1:2013 [R202x], Information technology - Security techniques - Anonymous entity authentication - Part 1: General (reaffirm a national adoption INCITS/ISO/IEC 20009-1:2013 [R2019])
Specifies a model, requirements and constraints for anonymous entity authentication mechanisms that allow the legitimacy of an entity to be corroborated.
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Reaffirmation

INCITS/ISO/IEC 21000-4:2006 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 4: Intellectual Property Management and Protection Components (reaffirm a national adoption INCITS/ISO/IEC 21000-4:2006 [R2019])
Specifies how to include Intellectual Property Management and Protection (IPMP) information and protected parts in a Digital Item. It provides a simple mechanism to include protected parts in the DID (ISO/IEC 21000-2) description of a digital item, and provides mechanisms for describing the governance over, and the tools used for the protected content. MPEG-21) defines an open framework for multimedia delivery and consumption, with both the content creator and content consumer as focal points.
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Reaffirmation

INCITS/ISO/IEC 21000-5:2004 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 5: Rights Expression Language (reaffirm a national adoption INCITS/ISO/IEC 21000-5:2004 [R2019])
Specifies the syntax and semantics of a Rights Expression Language. It does not give any permission, including permissions about who is legally or technically allowed to create Rights Expressions. It does not specify the security measures of trusted systems, propose specific applications, or describe the details of the systems required for accounting (monetary transactions, state transactions, and so on). It also does not specify if or when Rights Expressions shall be consulted. However, ISO/IEC 21000-5:2004 does define an authorization model to specify whether the semantics of a set of Rights Expressions permit a given Principal to perform a given Right upon a given optional Resource during a given time interval based on a given authorization context and a given trust root.
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Reaffirmation

INCITS/ISO/IEC 21000-6:2004 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 6: Rights Data Dictionary (reaffirm a national adoption INCITS/ISO/IEC 21000-6:2004 [R2019])
Describes a Rights Data Dictionary which comprises a set of clear, consistent, structured, integrated and uniquely identified terms to support the MPEG-21 Rights Expression Language (REL), ISO/IEC 21000-5. Annex A specifies the methodology for and structure of the RDD Dictionary, and specifies how further Terms may be defined under the governance of a Registration Authority, requirements for which are described in Annex C.
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Reaffirmation

INCITS/ISO/IEC 21000-8:2008 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 8: Reference software (reaffirm a national adoption INCITS/ISO/IEC 21000-8:2008 [R2019])
Describes reference software implementing the normative clauses of the other parts of ISO/IEC 21000. The information provided is applicable for determining the reference software modules available for parts of ISO/IEC 21000, understanding the functionality of the available reference software modules, and utilizing the available reference software modules. In addition to the reference software, available (integrated) utility software that utilizes the reference software is also described. This utility software can assist in understanding how to utilize the reference software, as well as providing further insight into the applicable parts of ISO/IEC 21000, e.g., informative clauses of the other parts of ISO/IEC 21000.
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Reaffirmation

INCITS/ISO/IEC 21000-9:2005 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 9: File Format (reaffirm a national adoption INCITS/ISO/IEC 21000-9:2005 [R2019])
Defines an open framework for multimedia delivery and consumption, with both the content creator and content consumer as focal points. The vision for MPEG-21 is to define a multimedia framework to enable transparent and augmented use of multimedia resources across a wide range of networks and devices used by different communities.
Single copy price: $31.00
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Reaffirmation

INCITS/ISO/IEC 21000-10:2006 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 10: Digital Item Processing (reaffirm a national adoption INCITS/ISO/IEC 21000-10:2006 [R2019])
Specifies the syntax and semantics of tools that may be used to process Digital Items. Digital Item Methods: Tools enabling users to include sequences of instructions for adding predefined functionality to a Digital Item. Digital Item Methods are authored with the Digital Item Method Language, an extension of ECMAScript language (ISO/IEC 16262), which includes a normative set of Digital Item Base Operations. The predefined functionality specified by a Digital Item Method provides a suggested interaction between a User and the Digital Item. Digital Item eXtension Operations: Provide for extended functionality not included by the normative set of Digital Item Base Operations to be implemented efficiently in a higher level programming language. Linkage with ISO/IEC 21000-2: Tools for integrating Digital Item Methods and Digital Item eXtension Operations with Digital Item Declarations (as specified by ISO/IEC 21000-2).
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Reaffirmation

INCITS/ISO/IEC 21000-14:2007 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 14: Conformance Testing (reaffirm a national adoption INCITS/ISO/IEC 21000-14:2007 [R2019])
Specifies conformance points and conformance tests for different parts of ISO/IEC 21000. Based on the various conformance points, it is identified which requirements defined in ISO/IEC 21000 apply to those conformance points. The tests are developed to ascertain whether a particular artifact (such as a piece of software or hardware or a document) meets all the requirements for a specific conformance point or not.
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Reaffirmation

INCITS/ISO/IEC 21000-15:2006 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 15: Event Reporting (reaffirm a national adoption INCITS/ISO/IEC 21000-15:2006 [R2019])
Specifies a mechanism to monitor events associated with the manipulation and usage of Digital Items, as defined in ISO/IEC 21000-2, and Peers. Monitoring the usage of audio-visual digital material and gaining insight into the state or capacity of a Peer is an important functionality for many content creation, delivery, adaptation and consumption applications. Specifies a dynamic mechanism which allows Users to create an Event Report Request within a Digital Item which can then be processed by a Peer. Such an Event Report Request specifies the conditions when an Event Report will be first generated and then sent to a (set of) recipient Peer(s). Specifies the syntax and semantics of Event Report Requests (ER-R) and of Event Reports.
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Reaffirmation

INCITS/ISO/IEC 21000-16:2005 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 16: Binary Format (reaffirm a national adoption INCITS/ISO/IEC 21000-16:2005 [R2019])
Specifies the binary format to efficiently serialize XML-based descriptions as specified within other ISO/IEC 21000 parts. The MPEG-21 binary format enables the efficient interchange or storage of ISO/IEC 21000 descriptions. ISO/IEC 21000 (MPEG-21) defines an open framework for multimedia delivery and consumption, with both the content creator and content consumer as focal points. The vision for MPEG-21 is to define a multimedia framework to enable transparent and augmented use of multimedia resources across a wide range of networks and devices used by different communities.
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Reaffirmation

INCITS/ISO/IEC 21000-17:2006 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 17: Fragment Identification of MPEG Resources (reaffirm a national adoption INCITS/ISO/IEC 21000-17:2006 [R2019])
Defines an open framework for multimedia delivery and consumption, with both the content creator and content consumer as focal points. The vision for MPEG-21 is to define a multimedia framework to enable transparent and augmented use of multimedia resources across a wide range of networks and devices used by different communities.
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Reaffirmation

INCITS/ISO/IEC 21000-18:2007 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 18: Digital Item Streaming (reaffirm a national adoption INCITS/ISO/IEC 21000-18:2007 [R2019])
Specifies tools for Digital Item Streaming. The first tool is the Bitstream Binding Language, which describes how Digital Items (comprising the Digital Item Declaration, metadata and resources) can be mapped to delivery channels such as MPEG-2 Transport Streams or the Real-time Transport Protocol.
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Reaffirmation

INCITS/ISO/IEC 21000-3:2003/AM 1:2007 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 3: Digital Item Identification - Amendment 1: Related identifier types (reaffirm a national adoption INCITS/ISO/IEC 21000-3:2003/AM1:2007 [R2019])
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Reaffirmation

INCITS/ISO/IEC 21000-4:2006/AM 1:2007 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 4: Intellectual Property Management and Protection Components - Amendment 1: IPMP components base profile (reaffirm a national adoption INCITS/ISO/IEC 21000-4:2006/AM1:2007 [R2019])
Amendment 1 to ISO/IEC 21000-4:2006
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Reaffirmation

INCITS/ISO/IEC 21000-5:2004/AM 1:2007 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 5: Rights Expression Language - Amendment 1: MAM (Mobile And optical Media) profile (reaffirm a national adoption INCITS/ISO/IEC 21000-5:2004/AM1:2007 [R2019])
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Reaffirmation

INCITS/ISO/IEC 21000-5:2004/AM 2:2007 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 5: Rights Expression Language - Amendment 2: DAC (Dissemination And Capture) profile (reaffirm a national adoption INCITS/ISO/IEC 21000-5:2004/AM2:2007 [R2019])
Amendment 2 to ISO/IEC 21000-5:2004
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Reaffirmation

INCITS/ISO/IEC 21000-5:2004/AM 3:2008 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 5: Rights Expression Language - Amendment 3: Open access content (OAC) profile (reaffirm a national adoption INCITS/ISO/IEC 21000-5:2004/AM3:2008 [R2019])
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Reaffirmation

INCITS/ISO/IEC 21000-6:2004/AM1:2006 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 6: Rights Data Dictionary - Amendment 1: Digital Item Identifier relationship types (reaffirm a national adoption INCITS/ISO/IEC 21000-6:2004/AM1:2006 [R2019])
Amendment 1 to ISO/IEC 21000-6:2004.
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Reaffirmation

INCITS/ISO/IEC 21000-9:2005/AM1:2008 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 9: File Format - Amendment 1: MIME type registration (reaffirm a national adoption INCITS/ISO/IEC 21000 -9:2005/AM1:2008 [R2019])
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Reaffirmation

INCITS/ISO/IEC 21000-10:2006/AM 1:2006 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 10: Digital Item Processing - Amendment 1: Additional C++ bindings (reaffirm a national adoption INCITS/ISO/IEC 21000-10:2006/AM1:2006 [R2019])
Amendment 1 to ISO/IEC 21000-10:2006.
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Reaffirmation

INCITS/ISO/IEC 21000-15:2006/AM1:2008 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 15: Event Reporting - Amendment 1: Security in Event Reporting (reaffirm a national adoption INCITS/ISO/IEC 21000-15:2006/AM1:2008 [R2019])
Amendment 1 to ISO/IEC 21000-15:2006.
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Reaffirmation

INCITS/ISO/IEC 23000-2:2008 [R202x], Information technology - Multimedia application format (MPEG-A) - Part 2: MPEG music player application format (reaffirm a national adoption INCITS/ISO/IEC 23000-2:2008 [R2019])
Presents a basic architecture for constructing an annotated music library. It defines a simple file format for songs and a file format for albums and playlists. A conformant player application has to support all these specified file
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Reaffirmation

INCITS/ISO/IEC 23000-3:2007 [R202x], Information technology - Multimedia application format (MPEG-A) - Part 3: MPEG photo player application format (reaffirm a national adoption INCITS/ISO/IEC 23000-3:2007 [R2019])
Specifies a solution for digital photo library applications. It standardizes the packaging of images and associated metadata, enabling interoperable exchange across diverse devices and platforms. The supported metadata include image-acquisition parameters (such as date, time and camera settings), as well as MPEG-7 visual content descriptions. This allows conforming devices to support new content-enhanced functionality such as intelligent browsing, content-based search or automatic categorization.
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Reaffirmation

INCITS/ISO/IEC 23000-5:2011 [R202x], Information technology - Multimedia application format (MPEG-A) - Part 5: Media streaming application format (reaffirm a national adoption INCITS/ISO/IEC 23000-5:2011 [R2019])
Specifies a digital item structure, a file format, and references a set of protocols used in a media streaming environment for applications where governed audio and video information is streamed to an end-user device by means of existing protocols such as MPEG-2 Transport Stream or Real Time Protocol over User Datagram Protocols over Internet Protocol (RTP/UDP/IP), and provides informative implementation examples corresponding to specific applications.
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Reaffirmation

INCITS/ISO/IEC 23000-7:2008 [R202x], Information technology - Multimedia application format (MPEG-A) - Part 7: Open access application format (reaffirm a national adoption INCITS/ISO/IEC 23000-7:2008 [R2019])
Specifies a container format, which can contain any type of content and can also transport additional metadata. This packaging mechanism offers the possibility to enrich the content with human and machine-readable metadata and is not limited to a specific content type. Unlike other Application Formats, The Open Access Application Format is not a multimedia-based format.
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Reaffirmation

INCITS/ISO/IEC 23000-9:2008 [R202x], Information technology - Multimedia application format (MPEG-A) - Part 9: Digital Multimedia Broadcasting application format (reaffirm a national adoption INCITS/ISO/IEC 23000 -9:2008 [R2019])
Specifies a file format that pertains to both terrestrial digital multimedia broadcasting (T-DMB) and satellite digital multimedia broadcasting (S-DMB) contents and services. It integrates the existing DMB contents with appropriate additional information to facilitate storage, interchange, management, editing, and presentation of the contents in protected, governed, and interoperable ways.
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Reaffirmation

INCITS/ISO/IEC 23001-1:2006 [R202x], Information technology - MPEG systems technologies - Part 1: Binary MPEG format for XML (reaffirm a national adoption INCITS/ISO/IEC 23001-1:2006 [R2019])
Provides a specification which gives rules for the preparation of XML documents for efficient transport and storage, and enables the development of ISO/IEC 23001-1 terminals to receive, decode and assemble possibly partitioned and compressed XML documents.
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Reaffirmation

INCITS/ISO/IEC 23001-2:2008 [R202x], Information technology - MPEG systems technologies - Part 2: Fragment request units (reaffirm a national adoption INCITS/ISO/IEC 23001-2:2008 [R2019])
Specifies the Fragment Request Unit technology. It comprises a syntax and semantics for expressing a request for fragments of XML. It also specifies how such requests can be used in XML based systems such as ISO/IEC 15938 -1 and ISO/IEC 23001-1. The technology can be used in resource constrained environments so that only the fragments of XML of interest at a given time need be transmitted to a requesting peer from a responding peer. It can also be used for node-by-node navigation of a remote XML document.
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Reaffirmation

INCITS/ISO/IEC 23001-3:2008 [R202x], Information technology - MPEG systems technologies - Part 3: XML IPMP messages (reaffirm a national adoption INCITS/ISO/IEC 23001-3:2008 [R2019])
Specifies XML IPMP messages which are a simple and natural extension of the IPMP Information Descriptors defined in ISO/IEC 21000-4. They allow dispatching of the IPMP information related to a protected content element retrieved from the associated digital item to the modules in charge of performing the IPMP operations required to access the protected content element.
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Reaffirmation

INCITS/ISO/IEC 23001-5:2008 [R202x], Information technology - MPEG systems technologies - Part 5: Bitstream Syntax Description Language (BSDL) (reaffirm a national adoption INCITS/ISO/IEC 23001-5:2008 [R2019])
Specifies BSDL (Bitstream Syntax Description Language), a language based on W3C XML Schema to describe the structure of a bitstream with an XML document named BS Description. BSDL provides a normative grammar to describe in XML the high-level syntax of a bitstream; the resulting XML document is called a Bitstream Syntax Description (BS Description, BSD). This description is not meant to replace the original binary format, but acts as an additional layer, similar to metadata. In most cases, it will not describe the bitstream on a bit-per-bit basis, but rather address its high-level structure, e.g., how the bitstream is organized in layers or packets of data. Furthermore, the BS Description is itself scalable, which means it may describe the bitstream at different syntactic layers, e.g., finer or coarser levels of detail, depending on the application.
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Reaffirmation

INCITS/ISO/IEC 23001-1:2006/AM1:2007 [R202x], Information technology - MPEG systems technologies - Part 1: Binary MPEG format for XML - Amendment 1: Conformance and reference software (reaffirm a national adoption INCITS/ISO/IEC 23001-1:2006/AM1:2007 [R2019])
Amendment 1 to ISO/IEC 23001-1:2006
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Reaffirmation

INCITS/ISO/IEC 23001-1:2006/AM2:2008 [R202x], Information technology - MPEG systems technologies - Part 1: Binary MPEG format for XML - Amendment 2: Conservation of prefixes and extensions on encoding of wild cards (reaffirm a national adoption INCITS/ISO/IEC 23001-1:2006/AM2:2008 [R2019])
Amendment 2 to ISO/IEC 23001-1:2006
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Reaffirmation

INCITS/ISO/IEC 23002-1:2006 [R202x], Information technology - MPEG video technologies - Part 1: Accuracy requirements for implementation of integer-output 8x8 inverse discrete cosine transform (reaffirm a national adoption INCITS/ISO/IEC 23002-1:2006 [R2019])
Specifies a number of image and video coding related standards include a requirement for decoders to implement an integer-output 8x8 inverse discrete cosine transform (IDCT) for the generation of inverse-transformed sample differences with a nominal range from -2B to (2B)-1 for some integer number of bits B, where B is greater than or equal to 8. ISO/IEC 23002-1:2006 specifies conformance requirements for establishing sufficient accuracy in such an integer-output IDCT implementation. It is intended to be suitable for reference to establish partial or complete requirements for IDCT accuracy for conformance to other standards that require IDCT use.
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Reaffirmation

INCITS/ISO/IEC 23002-2:2008 [R202x], Information technology -- MPEG video technologies -- Part 2: Fixed-point 8x8 inverse discrete cosine transform and discrete cosine transform (reaffirm a national adoption INCITS/ISO/IEC 23002-2:2008 [R2019])
Specifies a particular implementation of an integer-output 8x8 inverse discrete cosine transform (IDCT) that fully conforms to the accuracy requirements specified in ISO/IEC 23002-1 and additionally meets or exceeds all accuracy requirements specified for IDCT precision in a number of international video coding standards. It additionally provides a (non-normative) specification of an integer-output 8x8 forward DCT based on the same factorization structure.
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Reaffirmation

INCITS/ISO/IEC 23002-3:2007 [R202x], Information technology - MPEG video technologies - Part 3: Representation of auxiliary video and supplemental information (reaffirm a national adoption INCITS/ISO/IEC 23002-3:2007 [R2019])
Defines auxiliary video streams as data coded as video sequences and supplementing a primary video sequence. Depth maps and parallax maps are the first specified types of auxiliary video streams, relating to stereoscopic-view video content. In this context, ISO/IEC 23002-3:2007 specifies syntax and semantics for conveying information describing the interpretation of auxiliary video streams.
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Reaffirmation

INCITS/ISO/IEC 23002-1:2006/AM1:2008 [R202x], Information technology - MPEG video technologies - Part 1: Accuracy requirements for implementation of integer-output 8x8 inverse discrete cosine transform - Amendment 1: Software for integer IDCT accuracy testing (reaffirm a national adoption INCITS/ISO/IEC 23002 -1:2006/AM1:2008 [R2019])
Amendment 1 to ISO/IEC 23002-1:2006.
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Reaffirmation

INCITS/ISO/IEC 23003-1:2007 [R202x], Information technology - MPEG audio technologies - Part 1: MPEG Surround (reaffirm a national adoption INCITS/ISO/IEC 23003-1:2007 [R2019])
Describes the MPEG Surround standard (Spatial Audio Coding, SAC), that is capable of re-creating N channels based on M<N transmitted channels, and additional control data. In the preferred modes of operating the spatial audio coding system, the M channels can either be a single mono channel or a stereo channel pair. The control data represents a significant lower data rate than required for transmitting all N channels, making the coding very efficient while at the same time ensuring compatibility with both M channel devices and N channel devices.
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Reaffirmation

INCITS/ISO/IEC 23003-1:2007/AM1:2008 [R202x], Information technology - MPEG audio technologies - Part 1: MPEG Surround - Amendment 1: Conformance testing (reaffirm a national adoption INCITS/ISO/IEC 23003 -1:2007/AM1:2008 [R2019])
Amendment 1 to ISO/IEC 23003-1:2007.
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Reaffirmation

INCITS/ISO/IEC 23003-1:2007/AM2:2008 [R202x], Information technology - MPEG audio technologies - Part 1: MPEG Surround - Amendment 2: Reference software (reaffirm a national adoption INCITS/ISO/IEC 23003 -1:2007/AM2:2008 [R2019])
Amendment 2 to ISO/IEC 23003-1:2007.
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Reaffirmation

INCITS/ISO/IEC 23004-1:2007 [R202x], Information technology - Multimedia Middleware - Part 1: Architecture (reaffirm a national adoption INCITS/ISO/IEC 23004-1:2007 [R2019])
Specifies the architecture of the MPEG Multimedia Middleware technology. Multimedia Middleware (M3W) allows application software to execute multimedia functions with a minimum knowledge of the inner workings of the multimedia middleware as well as to support a structured way of updating, upgrading and/or extending the multimedia middleware.
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Reaffirmation

INCITS/ISO/IEC 23004-2:2007 [R202x], Information technology - Multimedia Middleware - Part 2: Multimedia application programming interface (API) (reaffirm a national adoption INCITS/ISO/IEC 23004-2:2007 [R2019])
Specifies the multimedia application programming interface (API) of the MPEG Multimedia Middleware (M3W) technology. This Multimedia API provides a flexible interoperable set of media functions suitable for use in multiple products with different capabilities and in multiple application domains. ISO/IEC 23004-2:2007 specifies the following: interfaces for audio broadcast decoding, processing and rendering; interfaces for video broadcast decoding, processing and rendering; IPMP interfaces; governance interfaces. These interfaces provide a uniform view to the multimedia functionality offered by M3W platforms, but are flexible enough to allow different M3W platform vendors to distinguish themselves.
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Reaffirmation

INCITS/ISO/IEC 23004-3:2007 [R202x], Information technology - Multimedia Middleware - Part 3: Component model (reaffirm a national adoption INCITS/ISO/IEC 23004-3:2007 [R2019])
Specifies the component model which is the realization technology of the MPEG Multimedia Middleware. In addition, the interfaces of the support application programming interface needed for instantiation and interaction with components and services are specified. ISO/IEC 23004-3 specifies the following: component model (what constitutes a component); Unit of Trading (M3W component); Unit of Loading (executable component); Unit of Instantiation (Service); standard interfaces: navigation between interfaces (rclUnknown, rclServiceGeneric); binding (rclServiceGeneric); access to public attributes (rclServiceGeneric);
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Reaffirmation

INCITS/ISO/IEC 23004-4:2007 [R202x], Information technology - Multimedia Middleware - Part 4: Resource and quality management (reaffirm a national adoption INCITS/ISO/IEC 23004-4:2007 [R2019])
Specifies the interfaces of the support application programming interface and the realization technology used for resource management in MPEG Multimedia Middleware (M3W). Resource management is an optional framework for M3W platforms. ISO/IEC 23004-4:2007 specifies entities and interfaces for resource budget creation, assignment and removal, entity and interfaces for assessing the feasibility and selecting resource configurations (resource configuration = set of assigned budgets), interfaces implemented by quality-aware entities (Quality-aware entities can provide multiple quality levels and know the resource needed to provide each quality level.), entity and interfaces for coordination of the "budget--quality level" negotiation (includes interfaces for registration and setting priorities).
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Reaffirmation

INCITS/ISO/IEC 23004-5:2008 [R202x], Information technology - Multimedia Middleware - Part 5: Component download (reaffirm a national adoption INCITS/ISO/IEC 23004-5:2008 [R2019])
Specifies the interfaces of the support application programming interface (API) and the realization technology used for Component Download in MPEG Multimedia Middleware (M3W). Component Download is an optional framework for M3W Platforms. The goal of this realization technology is to enable controlled download of software components to a device. In this context controlled means that before the actual transfer of the component we are able to assess whether the component actually "fits". Specifies the following entities: Repository contains components that can be downloaded. Target enables receiving components. Locator responsible for locating all the entities (realization of the roles) that participate in a particular download. Decider assesses the feasibility of a particular download (this can include technical fit, business fit, etc.). Initiator initiates and coordinates the download process. These entities together enable through different deployments a large number of component download and upload scenarios, varying from point-to-point transfer to broadcast of components.
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Reaffirmation

INCITS/ISO/IEC 23004-6:2008 [R202x], Information technology - Multimedia Middleware - Part 6: Fault management (reaffirm a national adoption INCITS/ISO/IEC 23004-6:2008 [R2019])
Specifies the interfaces of the support application programming interface (API) and the realization technology used for Fault Management in MPEG Multimedia Middleware (M3W). Fault Management is an optional framework for M3W Platforms. The goal is to have a dependable/reliable system in the context of faults. These faults can be introduced due to upgrades and extensions out of control of the device vendor. The faults can also exist because it is impossible to test all traces and configurations in the complex software systems we are building nowadays. Specifies an approach of adding fault tolerance mechanism through the use of a Middleman (wrapper), an approach for transparent instantiation of these Middlemans (wrappers), interfaces for coordination of fault handling between Middlemans (wrappers).
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Reaffirmation

INCITS/ISO/IEC 23004-7:2008 [R202x], Information technology - Multimedia Middleware - Part 7: System integrity management (reaffirm a national adoption INCITS/ISO/IEC 23004-7:2008 [R2019])
Specifies the interfaces of the support application programming interface (API) and the realization technology used for Integrity Management in MPEG Multimedia Middleware (M3W). Integrity Management is an optional framework for M3W Platforms. The goal is to have controlled upgrading and extension. Basically this means reducing the chance of breaking the system during an upgrade/extension and giving the ability to restore a consistent configuration when things have gone wrong. Specifies entities and interfaces for the following: Monitoring: This is basically extraction of the model that describes the software and hardware configuration of the terminal (self model), Diagnosis: Based on the self model framework, this will need to determine whether there is a fault in the configuration, Repair: The faults that have been identified during diagnosis will need to be removed when this is possible using the facilities for upgrading and extension offered by M3W.
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Reaffirmation

INCITS/ISO/IEC 24709-1:2017 [R202x], Information technology -- Conformance testing for the biometric application programming interface (BioAPI) -- Part 1: Methods and procedures (reaffirm a national adoption INCITS/ISO/IEC 24709-1:2017 [2019])
Specifies the concepts, framework, test methods, and criteria required to test conformity of biometric products claiming conformance to BioAPI (see ISO/IEC 19784-1). Guidelines for specifying BioAPI conformance test suites, writing test assertions, and defining procedures to be followed during the conformance testing are provided. ISO/IEC 24709-1:2017 is concerned with conformance testing of biometric products claiming conformance to BioAPI (see ISO/IEC 19784-1). It is not concerned with testing other characteristics of biometric products or other types of testing of biometric products (i.e., acceptance, performance, robustness, security, etc.) Testing by means of test methods, which are specific to particular biometric products, are not the subject of ISO/IEC 24709 -1:2017.
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Reaffirmation

INCITS/ISO/IEC 24713-1:2008 [R202x], Information technology - Biometric profiles for interoperability and data interchange - Part 1: Overview of biometric systems and biometric profiles (reaffirm a national adoption INCITS/ISO/IEC 24713-1:2008 [R2019])
Provides common definitions used within the profile standards and references other standards applicable to the successful implementation of a generic biometric system. A harmonized generic biometric system is described and a diagram is present. The description includes detail of the individual components present in a generic biometric system. Furthermore describes the generic functions of the biometric system and the relationship between a biometric system and the application that uses that system.
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Reaffirmation

INCITS/ISO/IEC 24727-2:2008 [R202x], Identification cards - Integrated circuit card programming interfaces - Part 2: Generic card interface (reaffirm a national adoption INCITS/ISO/IEC 24727-2:2008 [R2019])
Defines a generic card interface for integrated circuit cards. This interface is presented as: command-response pairs for interoperability, card and application capability description and determination.
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Reaffirmation

INCITS/ISO/IEC 24727-3:2008 [R202x], Identification cards - Integrated circuit card programming interfaces - Part 3: Application interface (reaffirm a national adoption INCITS/ISO/IEC 24727-3:2008 [R2019])
Defines services as representations of action requests and action responses to be supported at the client-application service interface. The services are described in a programming-language independent way.
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Reaffirmation

INCITS/ISO/IEC 24727-4:2008 [R202x], Identification cards - Integrated circuit card programming interfaces - Part 4: Application programming interface (API) administration (reaffirm a national adoption INCITS/ISO/IEC 24727-4:2008 [R2019])
Defines a set of programming interfaces for interactions between integrated circuit cards and external applications to include generic services for multi-sector use. Standardizes the connectivity and security mechanisms between the client-application and the card-application. It specifies API-Administration of service-independent and implementation-independent ISO/IEC 24727 compliant modules, including security, that enables action requests to a specific card-application of an integrated circuit card such that, when coupled to data model and content discovery operations, the card-application can be used by a variety of client-applications.
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Reaffirmation

INCITS/ISO/IEC 27033-2:2012 [R202x], Information technology - Security techniques - Network security - Part 2: Guidelines for the design and implementation of network security (reaffirm a national adoption INCITS/ISO/IEC 27033-2:2012 [R2019])
Gives guidelines for organizations to plan, design, implement and document network security.
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Reaffirmation

INCITS/ISO/IEC 27033-5:2013 [R202x], Information technology - Security techniques - Network security - Part 5: Securing communications across networks using Virtual Private Networks (VPNs) (reaffirm a national adoption INCITS/ISO/IEC 27033-5:2013 [R2019])
Gives guidelines for the selection, implementation, and monitoring of the technical controls necessary to provide network security using Virtual Private Network (VPN) connections to interconnect networks and connect remote users to networks.
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Reaffirmation

INCITS/ISO/IEC 27034-3:2018 [R202x], Information technology -- Application security -- Part 3: Application security management process (reaffirm a national adoption INCITS/ISO/IEC 27034-3:2018 [2019])
Provides a detailed description and implementation guidance for the Application Security Management Process.
Single copy price: $101.00
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Reaffirmation

INCITS/ISO/IEC 27034-5:2017 [R202x], Information technology -- Security techniques -- Application security -- Part 5: Protocols and application security controls data structure (reaffirm a national adoption INCITS/ISO/IEC 27034-5:2017 [2019])
Outlines and explains the minimal set of essential attributes of ASCs and details the activities and roles of the Application Security Life Cycle Reference Model (ASLCRM).
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Reaffirmation

INCITS/ISO/IEC 27034-6:2016 [R202x], Information technology -- Security techniques -- Application security -- Part 6: Case studies (reaffirm a national adoption INCITS/ISO/IEC 27034-6:2016 [2019])
Provides usage examples of ASCs for specific applications.
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Reaffirmation

INCITS/ISO/IEC 27034-7:2018 [R202x], Information technology -- Application security -- Part 7: Assurance prediction framework (reaffirm a national adoption INCITS/ISO/IEC 27034-7:2018 [2019])
Describes the minimum requirements when the required activities specified by an Application Security Control (ASC) are replaced with a Prediction Application Security Rationale (PASR). The ASC mapped to a PASR define the Expected Level of Trust for a subsequent application. In the context of an Expected Level of Trust, there is always an original application where the project team performed the activities of the indicated ASC to achieve an Actual Level of Trust. The use of Prediction Application Security Rationales (PASRs), defined by this document, is applicable to project teams which have a defined Application Normative Framework (ANF) and an original application with an Actual Level of Trust.
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Reaffirmation

INCITS/ISO/IEC 27036-4:2016 [R202x], Information technology -- Security techniques -- Information security for supplier relationships -- Part 4: Guidelines for security of cloud services (reaffirm a national adoption INCITS/ISO/IEC 27036-4:2016 [2019])
Provides cloud service customers and cloud service providers with guidance on gaining visibility into the information security risks associated with the use of cloud services and managing those risks effectively, and responding to risks specific to the acquisition or provision of cloud services that can have an information security impact on organizations using these services. The scope of this standard is to define guidelines supporting the implementation of information security management for the use of cloud services.
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Reaffirmation

INCITS/ISO/IEC 27050-2:2018 [R202x], Information technology -- Electronic discovery -- Part 2: Guidance for governance and management of electronic discovery (reaffirm a national adoption INCITS/ISO/IEC 27050 -2:2018 [2019])
Provides guidance for technical and non-technical personnel at senior management levels within an organization, including those with responsibility for compliance with statuary and regulatory requirements, and industry standards. It describes how such personnel can identify and take ownership of risks related to electronic discovery, set policy and achieve compliance with corresponding external and internal requirements. It also suggests how to produce such policies in a form which can inform process control. Furthermore, it provides guidance on how to implement and control electronic discovery in accordance with the policies.
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Reaffirmation

INCITS/ISO/IEC 29109-5:2019 [R202x], Information technology -- Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 -- Part 5: Face image data (reaffirm a national adoption INCITS/ISO/IEC 29109-5:2019 [2019])
Specifies elements of conformance testing methodology, test assertions, and test procedures as applicable to two-dimensional face images defined in the ISO/IEC 19794-5:2005 biometric data interchange format standard for face image data. Establishes test assertions of the structure of the face image data format as specified in ISO/IEC 19794-5:2005 (Type A Level 1 as defined in ISO/IEC 29109-1:2009), and test assertions of internal consistency by checking the types of values that may be contained within each field (Type A Level 2 as defined in ISO/IEC 29109-1:2009).
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Reaffirmation

INCITS/ISO/IEC 29109-1:2009/COR 1:2010 [R202x], Information technology - Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 - Part 1: Generalized conformance testing methodology - Technical Corrigendum 1 (reaffirm a national adoption INCITS/ISO/IEC 29109-1:2009/COR 1:2010 [R2019])
Technical Corrigendum 1 to ISO/IEC 29109-1:2009
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Reaffirmation

INCITS/ISO/IEC 29182-1:2013 [R202x], Information technology - Sensor networks: Sensor Network Reference Architecture (SNRA) - Part 1: General overview and requirements (reaffirm a national adoption INCITS/ISO/IEC 29182-1:2013 [R2019])
Provides a general overview of the characteristics of a sensor network and the organization of the entities that comprise such a network. It also describes the general requirements that are identified for sensor networks.
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Reaffirmation

INCITS/ISO/IEC 29182-2:2013 [R202x], Information technology - Sensor networks: Sensor Network Reference Architecture (SNRA) - Part 2: Vocabulary and terminology (reaffirm a national adoption INCITS/ISO/IEC 29182-2:2013 [R2019])
Intended to facilitate the development of International Standards in sensor networks. It presents terms and definitions for selected concepts relevant to the field of sensor networks. It establishes a general description of concepts in this field and identifies the relationships among those concepts. It may also be used as guidance for development of other parts of ISO/IEC 29182 and any other sensor network related standard.
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Reaffirmation

INCITS/ISO/IEC 29182-3:2014 [R202x], Information technology - Sensor networks: Sensor Network Reference Architecture (SNRA) - Part 3: Reference architecture views (reaffirm a national adoption INCITS/ISO/IEC 29182-3:2014 [R2019])
Provides Sensor Network Reference Architecture (SNRA) views. The architecture views include business, operational, systems, and technical perspectives, and these views are presented in functional, logical, and/or physical views where applicable. ISO/IEC 29182-3:2014 focuses on high-level architecture views which can be further developed by system developers and implementers for specific applications and services.
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Reaffirmation

INCITS/ISO/IEC 29182-4:2013 [R202x], Information technology - Sensor networks: Sensor Network Reference Architecture (SNRA) - Part 4: Entity models (reaffirm a national adoption INCITS/ISO/IEC 29182-4:2013 [R2019])
Provides guidance to facilitate the design and development of sensor networks, improve interoperability of sensor networks, and make sensor network components plug-and-play, so that it becomes fairly easy to add/remove sensor nodes to/from an existing sensor network. Presents models for the entities that enable sensor network applications and services according to the Sensor Network Reference Architecture (SNRA).
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Reaffirmation

INCITS/ISO/IEC 29182-5:2013 [R202x], Information technology - Sensor networks: Sensor Network Reference Architecture (SNRA) - Part 5: Interface definitions (reaffirm a national adoption INCITS/ISO/IEC 29182-5:2013 [R2019])
Provides the definitions and requirements of sensor network (SN) interfaces of the entities in the Sensor Network Reference Architecture and covers the following aspects: interfaces between functional layers to provide service access for the modules in the upper layer to exchange messages with modules in the lower layer; interfaces between entities introduced in the Sensor Network Reference Architecture enabling sensor network services and applications.
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Reaffirmation

INCITS/ISO/IEC 29182-6:2014 [R202x], Information technology - Sensor networks: Sensor Network Reference Architecture (SNRA) - Part 6: Applications (reaffirm a national adoption INCITS/ISO/IEC 29182-6:2014 [R2019])
Describes and provides a compilation of sensor network applications for which International Standardized Profiles (ISPs) are needed, guidelines for the structured description of sensor network applications, and examples for structured sensor network applications. It does not cover ISPs for which drafting rules are described in ISO/IEC TR 10000. Due to the generic character of ISO/IEC 29182, fully developed ISPs will not be included in this International Standard.
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Reaffirmation

INCITS/ISO/IEC 29192-3:2012 [R202x], Information technology - Security techniques - Lightweight cryptography - Part 3: Stream ciphers (reaffirm a national adoption INCITS/ISO/IEC 29192-3:2012 [R2019])
Specifies two dedicated keystream generators for lightweight stream ciphers: Enocoro: a lightweight keystream generator with a key size of 80 or 128 bits; Trivium: a lightweight keystream generator with a key size of 80 bits.
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Reaffirmation

INCITS/ISO/IEC 29192-4:2013 [R202x], Information technology - Security techniques - Lightweight cryptography - Part 4: Mechanisms using asymmetric techniques (reaffirm a national adoption INCITS/ISO/IEC 29192-4:2013 [R2019])
Specifies three lightweight mechanisms using asymmetric techniques: (a) a unilateral authentication mechanism based on discrete logarithms on elliptic curves; (b) an authenticated lightweight key exchange (ALIKE) mechanism for unilateral authentication and establishment of a session key; and (c) an identity-based signature mechanism.
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Reaffirmation

INCITS/ISO/IEC 29192-5:2016 [R202x], Information technology -- Security techniques -- Lightweight cryptography -- Part 5: Hash-functions (reaffirm a national adoption INCITS/ISO/IEC 29192-5:2016 [2019])
Specifies three hash-functions suitable for applications requiring lightweight cryptographic implementations. PHOTON: a lightweight hash-function with permutation sizes of 100, 144, 196, 256 and 288 bits computing hash-codes of length 80, 128, 160, 224, and 256 bits, respectively. SPONGENT: a lightweight hash-function with permutation sizes of 88, 136, 176, 240 and 272 bits computing hash-codes of length 88, 128, 160, 224, and 256 bits, respectively. Lesamnta-LW: a lightweight hash-function with permutation size 384 bits computing a hash-code of length 256 bits
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Reaffirmation

INCITS/ISO/IEC 29192-4:2013/AM 1:2016 [R202x], Information technology - Security techniques - Lightweight cryptography - Part 4: Mechanisms using asymmetric techniques - Amendment 1 (reaffirm a national adoption INCITS/ISO/IEC 29192-4:2013/AM 1:2016 [2019])
Amendment 1 to ISO/IEC 29192-4:2013
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Reaffirmation

INCITS/ISO/IEC 30134-4:2017 [R202x], Information technology -- Data centres -- Key performance indicators -- Part 4: IT Equipment Energy Efficiency for servers (ITEEsv) (reaffirm a national adoption INCITS/ISO/IEC 30134-4:2017 [2019])
Specifies Information Technology Equipment Energy Efficiency for servers (ITEEsv), a key performance indicator (KPI) which quantifies the energy efficiency characteristics of servers in a data centre. ITEEsv can be calculated using a choice of pre-existing or context specific server performance benchmarks. ITEEsv intends to assist in improving the aggregate energy effectiveness of servers in a given data centre.
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Reaffirmation

INCITS/ISO/IEC 30134-5:2017 [R202x], Information technology -- Data centres -- Key performance indicators -- Part 5: IT Equipment Utilization for servers (ITEUsv) (reaffirm a national adoption INCITS/ISO/IEC 30134-5:2017 [2019])
Specifies the IT Equipment Utilization for servers (ITEUsv) as a Key Performance Indicator (KPI) to quantify the utilization of servers in a data centre. Is intended as a KPI for improving the aggregate energy efficiency of servers in a given data centre.
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Reaffirmation

INCITS/ISO/IEC 1001:2012 [R202x], Information technology - File structure and labelling of magnetic tapes for information interchange (reaffirm a national adoption INCITS/ISO/IEC 1001:2012 [R2019])
Specifies the file structure and the labelling of magnetic tapes for the interchange of information between users of information processing systems. It specifies volume and file structure, basic characteristics of the blocks containing the records constituting the file, recorded labels for identifying files, file sections and volumes of magnetic tapes, and four nested levels of interchange. Specifies requirements for the processes which are provided within information processing systems, to enable information to be interchanged between different systems, utilizing recorded magnetic tape as the medium of interchange. For this purpose it specifies the functions to be provided within systems which are intended to originate or receive magnetic tape volumes which conform to it.
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Reaffirmation

INCITS/ISO/IEC 7813:2006 [R202x], Information technology - Identification cards - Financial transaction cards (reaffirm a national adoption INCITS/ISO/IEC 7813:2006 [R2019])
Specifies the data structure and data content of magnetic tracks 1 and 2, which are used to initiate financial transactions. It takes into consideration both human and physical aspects and states minimum requirements of conformity. It references layout, recording techniques, numbering systems, registration procedures, but not security requirements. Specifies the test procedures used to check ID-1 cards against the parameters specified in ISO/IEC 7813:2006.
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Reaffirmation

INCITS/ISO/IEC 9899:2018 [R202x], Information technology - Programming languages - C (reaffirm a national adoption INCITS/ISO/IEC 9899:2018 [2019])
Specifies the form and establishes the interpretation of programs written in the C programming language. It specifies the representation of C programs; the syntax and constraints of the C language; the semantic rules for interpreting C programs; the representation of input data to be processed by C programs; the representation of output data produced by C programs; the restrictions and limits imposed by a conforming implementation of C.
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Reaffirmation

INCITS/ISO/IEC 9973:2013 [R202x], Information technology - Computer graphics, image processing and environmental data representation - Procedures for registration of items (reaffirm a national adoption INCITS/ISO/IEC 9973:2013 [R2019])
Specifies procedures to be followed in preparing, maintaining and publishing the International Register of Items for any standard whose classes of items are applicable to this register. The items that may be registered fall into several broad categories including: computer graphics concepts, data structures used by relevant standards, spatial and environmental concepts, and profiles of relevant standards.
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Reaffirmation

INCITS/ISO/IEC 11404:2007 [R202x], Information technology - General-Purpose Datatypes (GPD) (reaffirm a national adoption INCITS/ISO/IEC 11404:2007 [R2019])
Specifies the nomenclature and shared semantics for a collection of datatypes commonly occurring in programming languages and software interfaces, referred to as the General-Purpose Datatypes (GPD). It specifies both primitive datatypes, in the sense of being defined ab initio without reference to other datatypes, and non-primitive datatypes, in the sense of being wholly or partly defined in terms of other datatypes. The specification of datatypes in this International Standard is general-purpose in the sense that the datatypes specified are classes of datatype of which the actual datatypes used in programming languages and other entities requiring the concept datatype are particular instances. These datatypes are general in nature; thus, they serve a wide variety of information processing applications.
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Reaffirmation

INCITS/ISO/IEC 11574:2000 [R202x], Information Technology - Telecommunications and Information Exchange Between Systems - Private Integrated Services Network - Circuit-mode 64 kbit/s Bearer Services - Service Description, Functional Capabilities and Information Flows (reaffirm a national adoption INCITS/ISO/IEC 11574:2000 [R2019])
Specifies the service description and control aspects, including functional capabilities and information flows, of standardised circuit mode bearer services which may be supported by a Private Integrated Services Network (PISN).
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Reaffirmation

INCITS/ISO/IEC 12862:2011 [R202x], Information technology - 120 mm (8,54 Gbytes per side) and 80 mm (2,66 Gbytes per side) DVD recordable disk for dual layer (DVD-R for DL) (reaffirm a national adoption INCITS/ISO/IEC 12862:2011 [R2019])
Specifies the mechanical, physical and optical characteristics of a 120 mm and an 80 mm dual layer DVD recordable disk to enable the interchange of such disks.
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Reaffirmation

INCITS/ISO/IEC 14417:1999 [R202x], Information Technology - Data Recording Format DD-1 for Magnetic Tape Cassette Conforming to IEC 1016 (reaffirm a national adoption INCITS/ISO/IEC 14417:1999 [R2019])
Specifies the media characteristics, the recorded tape format and file structure requirements to enable information interchange between information processing systems using 19,0 mm wide magnetic tape and cassette conforming to IEC 61016 Section 2.
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Reaffirmation

INCITS/ISO/IEC 14492:2019 [R202x], Information technology -- Lossy/lossless coding of bi-level images (reaffirm a national adoption INCITS/ISO/IEC 14492:2019 [2019])
Defines methods for coding bi-level images and sets of images (documents consisting of multiple pages). It is particularly suitable for bi-level images consisting of text and dithered (halftone) data.
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Reaffirmation

INCITS/ISO/IEC 14662:2010 [R202x], Information technology - Open-edi reference model (reaffirm a national adoption INCITS/ISO/IEC 14662:2010 [R2019])
Specifies the framework for co-ordinating the integration of existing International Standards and the development of future International Standards for the inter-working of Open-edi Parties via Open-edi and provides a reference for those International Standards. As such it serves to guide the work necessary to accomplish Open-edi by providing the context to be used by developers of International Standards to ensure the coherence and integration of related standardized modelling and descriptive techniques, services, service interfaces, and protocols. Describes, through two perspectives of business transactions, significant aspects relevant to the interoperability of information technology systems used by Open-edi Parties engaging in Open-edi.
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Reaffirmation

INCITS/ISO/IEC 14957:2010 [R202x], Information technology - Representation of data element values - Notation of the format (reaffirm a national adoption INCITS/ISO/IEC 14957:2010 [R2019])
Specifies the notation to be used for stating the format, i.e. the character classes, used in the representation of data elements and the length of these representations. It also specifies additional notations relative to the representation of numerical figures. For example, this formatting technique might be used as part of the metadata for data elements. The scope is limited to graphic characters, such as digits, letters and special characters. The scope is limited to the basic datatypes of characters, character strings, integers, reals, and pointers.
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Reaffirmation

INCITS/ISO/IEC 15414:2015 [R202x], Information technology -- Open distributed processing -- Reference model -- Enterprise language (reaffirm a national adoption INCITS/ISO/IEC 15414:2015 [2019])
Provides: (a) a language (the enterprise language) comprising concepts, structures, and rules for developing, representing and reasoning about a specification of an ODP system from the enterprise viewpoint (as defined in Rec. ITU-T X.903 | ISO/IEC 10746-3); (b) rules which establish correspondences between the enterprise language and the other viewpoint languages (defined in Rec. ITU-T X.903 | ISO/IEC 10746-3) to ensure the overall consistency of a specification.
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Reaffirmation

INCITS/ISO/IEC 16963:2017 [R202x], Information technology -- Digitally recorded media for information interchange and storage -- Test method for the estimation of lifetime of optical disks for long-term data storage (reaffirm a national adoption INCITS/ISO/IEC 16963:2017 [2019])
Specifies an accelerated ageing test method for estimating the lifetime of the retrievability of information stored on recordable or rewritable optical disks. The method is based on the theoretical assumption that the lifetime of data recorded on an optical disk has a lognormal distribution. Detailed testing is specified for the following formats: DVD-R/RW/RAM disks, +R/+RW disks, CD-R/RW disks and BD recordable/rewritable disks.
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Reaffirmation

INCITS/ISO/IEC 17341:2009 [R202x], Information technology - Data Interchange on 120 mm and 80 mm Optical Disk using +RW Format - Capacity: 4,7 Gbytes and 1,46 Gbytes per Side (Recording speed up to 4X) (reaffirm a national adoption INCITS/ISO/IEC 17341:2009 [R2019])
Specifies the mechanical, physical and optical characteristics of 120 mm rewritable optical disks with capacities of 4,7 GB and 9,4 GB. It specifies the quality of the recorded and unrecorded signals, the format of the data and the recording method, thereby allowing for information interchange by means of such disks. The data can be written read and overwritten many times using the phase change method. These disks are identified as +RW.
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Reaffirmation

INCITS/ISO/IEC 17344:2009 [R202x], Information technology - Data Interchange on 120 mm and 80 mm Optical Disk using +R Format - Capacity: 4,7 and 1,46 Gbytes per Side (Recording speed up to 16X) (reaffirm a national adoption INCITS/ISO/IEC 17344:2009 [R2019])
Specifies the mechanical, physical and optical characteristics of 120 mm recordable optical disks with capacities of 4,7 Gbytes and 9,4 Gbytes. It specifies the quality of the recorded and unrecorded signals, the format of the data and the recording method, thereby allowing for information interchange by means of such disks. The data can be written once and read many times using a non-reversible method. These disks are identified as +R. Also specifies 80 mm disks with capacities of 1,46 Gbytes and 2,92 Gbytes. These disks have the same characteristics as the 120 mm disks, except for some parameters related to the smaller dimensions.
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Reaffirmation

INCITS/ISO/IEC 17629:2014 [R202x], Information technology - Office equipment - Method for measuring first print out time for digital printing devices (reaffirm a national adoption INCITS/ISO/IEC 17629:2014 [R2019])
Specifies a method for measuring first print out time of digital printing devices. It is applicable to digital printing devices and multifunctional devices. It is intended to be used for black and white (B&W) as well as colour digital printing devices and multifunctional devices of any underlying marking technology. It includes instructions for test charts, test setup procedure, test procedure, and the reporting requirements for the digital printing measurements.
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Reaffirmation

INCITS/ISO/IEC 17963:2013 [R202x], Web Services for Management (WS-Management) Specification (reaffirm a national adoption INCITS/ISO/IEC 17963:2013 [R2019])
Describes a Web services protocol based on SOAP for use in management-specific domains. These domains include the management of entities such as PCs, servers, devices, Web services and other applications manageable entities. Services can expose only a WS-Management interface or compose the WS-Management service interface with some of the many other Web service specifications.
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Reaffirmation

INCITS/ISO/IEC 17998:2012 [R202x], Information technology - SOA Governance Framework (reaffirm a national adoption INCITS/ISO/IEC 17998:2012 [R2019])
Describes a framework that provides context and definitions to enable organizations to understand and deploy service-oriented architecture (SOA) governance. Defines SOA Governance, including its relationship between Business, IT, and EA governance; this assists organizations in understanding the impact that the introduction of SOA into an organization has on governance; an SOA Governance Reference Model (SGRM) and its constituent parts, which assists organizations in specifying their appropriate governance regimes; and capturing best practice as a basis for a common approach; the SOA Governance Vitality Method (SGVM) which assists organizations in customizing the SGRM and realizing their SOA Governance Regimen.
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Reaffirmation

INCITS/ISO/IEC 19502:2005 [R202x], Information technology - Meta Object Facility (MOF) (reaffirm a national adoption INCITS/ISO/IEC 19502:2005 [R2019])
Defines a metamodel (defined using Meta Object Facility, MOF), a set of interfaces [defined using Open Distributed Processing (ODP) Interface Definition Language (IDL) (ITU-T Recommendation X.920 (1997) | ISO/IEC 14750:1999)], that can be used to define and manipulate a set of interoperable metamodels and their corresponding models. Specifies an abstract language for specifying, constructing, and managing technology neutral metamodels: A metamodel is in effect an abstract language for some kind of metadata and a framework for implementing repositories & integration frameworks (e.g., tool integration frameworks) that hold metadata (e.g., models) described by the metamodels and which uses standard technology mappings to transform MOF metamodels into metadata APIs.
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Reaffirmation

INCITS/ISO/IEC 19503:2005 [R202x], Information technology - XML Metadata Interchange (XMI) (reaffirm a national adoption INCITS/ISO/IEC 19503:2005 [R2019])
Provides specifications for a set of XML Schema Definitions (XSD) production rules for transforming MOF based metamodels into XML Schemas, a set of XML Document production rules for encoding and decoding MOF based metadata, design principles for XMI based Schemas and XML documents, and a set of production rules for importing XML DTDs to a MOF based metamodel. Enhances metadata management and metadata interoperability in distributed object environments in general and in distributed development environments in particular. While this International Standard addresses stream based metadata interoperability in the object analysis and design domain, XMI (in part because it is MOF based) is equally applicable to metadata in many other domains.
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Reaffirmation

INCITS/ISO/IEC 19508:2014 [R202x], Information technology - Object Management Group Meta Object Facility (MOF) Core (reaffirm a national adoption INCITS/ISO/IEC 19508:2014 [R2019])
Provides the basis for metamodel definition in OMG's family of MDA languages and is based on a simplification of UML2's class modeling capabilities. In addition to providing the means for metamodel definition it adds core capabilities for model management in general, including Identifiers, a simple generic Tag capability and Reflective operations that are defined generically and can be applied regardless of metamodel.
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Reaffirmation

INCITS/ISO/IEC 19509:2014 [R202x], Information technology - Object Management Group XML Metadata Interchange (XMI) (reaffirm a national adoption INCITS/ISO/IEC 19509:2014 [R2019])
Supports the Meta Object Facility (MOF) Core defined in ISO/IEC 19508. MOF is the foundation technology for describing metamodels. It covers a wide range of domains, and is based on a constrained subset of UML. XMI is widely used XML interchange format. It defines the following aspects involved in describing objects in XML: the representation of objects in terms of XML elements and attributes; the standard mechanisms to link objects within the same file or across files; the validation of XMI documents using XML Schemas; object identity, which allows objects to be referenced from other objects in terms of IDs and UUIDs. XMI describes solutions to the above issues by specifying EBNF production rules to create XML documents and Schemas that share objects consistently.
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Reaffirmation

INCITS/ISO/IEC 19790:2012 [R202x], Information technology - Security techniques - Security requirements for cryptographic modules (reaffirm a national adoption INCITS/ISO/IEC 19790:2012 [R2019])
Specifies the security requirements for a cryptographic module utilised within a security system protecting sensitive information in computer and telecommunication systems. ISO/IEC 19790:2012 defines four security levels for cryptographic modules to provide for a wide spectrum of data sensitivity (e.g., low value administrative data, million dollar funds transfers, life protecting data, personal identity information, and sensitive information used by government) and a diversity of application environments (e.g., a guarded facility, an office, removable media, and a completely unprotected location). Specifies four security levels for each of 11 requirement areas with each security level increasing security over the preceding level. Specifies security requirements specified intended to maintain the security provided by a cryptographic module and compliance to this ISO/IEC 19790:2012 is not sufficient to ensure that a particular module is secure or that the security provided by the module is sufficient and acceptable to the owner of the information that is being protected.
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Reaffirmation

INCITS/ISO/IEC 19941:2017 [R202x], Information technology - Cloud computing - Interoperability and portability (reaffirm a national adoption INCITS/ISO/IEC 19941:2017 [2019])
Specifies cloud computing interoperability and portability types, the relationship and interactions between these two cross-cutting aspects of cloud computing and common terminology and concepts used to discuss interoperability and portability, particularly relating to cloud services. This standard is related to other standards, namely, ISO/IEC 17788, ISO/IEC 17789, ISO/IEC 19086-1, ISO/IEC 19944, and in particular, references the cross-cutting aspects and components identified in ISO/IEC 17788 and ISO/IEC 17789 respectively. The goal of this document is to ensure that all parties involved in cloud computing, particularly CSCs, CSPs and cloud service partners (CSNs) acting as cloud service developers, have a common understanding of interoperability and portability for their specific needs.
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Reaffirmation

INCITS/ISO/IEC 20005:2013 [R202x], Information technology - Sensor networks - Services and interfaces supporting collaborative information processing in intelligent sensor networks (reaffirm a national adoption INCITS/ISO/IEC 20005:2013 [R2019])
Specifies services and interfaces supporting collaborative information processing (CIP) in intelligent sensor networks which includes: CIP functionalities and CIP functional model, common services supporting CIP, common service interfaces to CIP.
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Reaffirmation

INCITS/ISO/IEC 20546:2019 [R202x], Information technology -- Big data -- Overview and vocabulary (reaffirm a national adoption INCITS/ISO/IEC 20546:2019 [2019])
Provides a set of terms and definitions needed to promote improved communication and understanding of this area. It provides a terminological foundation for big data-related standards. Provides a conceptual overview of the field of big data, its relationship to other technical areas and standards efforts, and the concepts ascribed to big data that are not new to big data.
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Reaffirmation

INCITS/ISO/IEC 20889:2018 [R202x], Privacy enhancing data de-identification terminology and classification of techniques (reaffirm a national adoption INCITS/ISO/IEC 20889:2018 [2019])
Provides a description of privacy-enhancing data de-identification techniques, to be used to describe and design de-identification measures in accordance with the privacy principles in ISO/IEC 29100. In particular, this document specifies terminology, a classification of de-identification techniques according to their characteristics, and their applicability for reducing the risk of re-identification. This document is applicable to all types and sizes of organizations, including public and private companies, government entities, and not-for-profit organizations, that are PII controllers or PII processors acting on a controller's behalf, implementing data de-identification processes for privacy enhancing purposes.
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Reaffirmation

INCITS/ISO/IEC 24756:2009 [R202x], Information technology - Framework for specifying a common access profile (CAP) of needs and capabilities of users, systems, and their environments (reaffirm a national adoption INCITS/ISO/IEC 24756:2009 [R2019])
Defines a framework for specifying a common access profile (CAP) of needs and capabilities of users, computing systems, and their environments, including access supported by assistive technologies. It provides a basis for identifying and dealing with accessibility issues in a standardized manner across multiple platforms. It can be used to evaluate the accessibility of existing systems in particular environments for particular users.
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Reaffirmation

INCITS/ISO/IEC 25434:2008 [R202x], Information technology -- Data interchange on 120 mm and 80 mm optical disk using +R DL format -- Capacity: 8,55 Gbytes and 2,66 Gbytes per side (recording speed up to 16X) (reaffirm a national adoption INCITS/ISO/IEC 25434:2008 [R2019])
Defines a framework for specifying a common access profile (CAP) of needs and capabilities of users, computing systems, and their environments, including access supported by assistive technologies. It provides a basis for identifying and dealing with accessibility issues in a standardized manner across multiple platforms. It can be used to evaluate the accessibility of existing systems in particular environments for particular users.
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Reaffirmation

INCITS/ISO/IEC 26925:2009 [R202x], Information technology - Data interchange on 120 mm and 80 mm optical disk using +RW HS format - Capacity: 4,7 Gbytes and 1,46 Gbytes per side (recording speed 8X) (reaffirm a national adoption INCITS/ISO/IEC 26925:2009 [R2019])
Specifies the mechanical, physical and optical characteristics of 120-mm rewritable optical disks with capacities of 4,7 Gbytes and 9,4 Gbytes. It specifies the quality of the recorded and unrecorded signals, the format of the data and the recording method, thereby allowing for information interchange by means of such disks. The data can be written, read and overwritten many times using the phase change method. These disks are identified as +RW HS (High Speed). ISO/IEC 26925:2009 also specifies 80 mm disks with capacities of 1,46 Gbytes and 2,92 Gbytes. These disks have the same characteristics as the 120-mm disks, except for some parameters related to the smaller dimensions. All parameters unique for the 80-mm disks are specified in an annex.
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Reaffirmation

INCITS/ISO/IEC 27000:2018 [R202x], Information technology -- Security techniques -- Information security management systems -- Overview and vocabulary (reaffirm a national adoption INCITS/ISO/IEC 27000:2018 [2019])
Provides the overview of information security management systems (ISMS). It also provides terms and definitions commonly used in the ISMS family of standards. This document is applicable to all types and sizes of organization (e.g., commercial enterprises, government agencies, not-for-profit organizations). The terms and definitions provided in this document cover commonly used terms and definitions in the ISMS family of standards; do not cover all terms and definitions applied within the ISMS family of standards; and do not limit the ISMS family of standards in defining new terms for use.
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Reaffirmation

INCITS/ISO/IEC 27004:2016 [R202x], Information technology -- Security techniques -- Information security management -- Monitoring, measurement, analysis and evaluation (reaffirm a national adoption INCITS/ISO/IEC 27004:2016 [2019])
Provides guidelines intended to assist organizations in evaluating the information security performance and the effectiveness of an information security management system in order to fulfil the requirements of ISO/IEC 27001:2013, 9.1. It establishes: (a) the monitoring and measurement of information security performance; (b) the monitoring and measurement of the effectiveness of an information security management system (ISMS) including its processes and controls; and (c) the analysis and evaluation of the results of monitoring and measurement. ISO/IEC 27004:2016 is applicable to all types and sizes of organizations.
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Reaffirmation

INCITS/ISO/IEC 27011:2016 [R202x], Information technology -- Security techniques -- Code of practice for Information security controls based on ISO/IEC 27002 for telecommunications organizations (reaffirm a national adoption INCITS/ISO/IEC 27011:2016 [2019])
Define guidelines supporting the implementation of information security controls in telecommunications organizations. Adoption will allow telecommunications organizations to meet baseline information security management requirements of confidentiality, integrity, availability and any other relevant security property.
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Reaffirmation

INCITS/ISO/IEC 27018:2019 [R202x], Information technology -- Security techniques -- Code of practice for protection of personally identifiable information (PII) in public clouds acting as PII processors (reaffirm a national adoption INCITS/ISO/IEC 27018:2019 [2019])
Establishes commonly accepted control objectives, controls and guidelines for implementing measures to protect Personally Identifiable Information (PII) in line with the privacy principles in ISO/IEC 29100 for the public cloud computing environment. In particular, this document specifies guidelines based on ISO/IEC 27002, taking into consideration the regulatory requirements for the protection of PII which can be applicable within the context of the information security risk environment(s) of a provider of public cloud services. This document is applicable to all types and sizes of organizations, including public and private companies, government entities and not-for-profit organizations, which provide information processing services as PII processors via cloud computing under contract to other organizations.
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Reaffirmation

INCITS/ISO/IEC 27037:2012 [R202x], Information technology - Security techniques - Guidelines for identification, collection, acquisition and preservation of digital evidence (reaffirm a national adoption INCITS/ISO/IEC 27037:2012 [R2019])
Provides guidelines for specific activities in the handling of digital evidence, which are identification, collection, acquisition and preservation of potential digital evidence that can be of evidential value. It provides guidance to individuals with respect to common situations encountered throughout the digital evidence handling process and assists organizations in their disciplinary procedures and in facilitating the exchange of potential digital evidence between jurisdictions. Gives guidance for the following devices and circumstances:Digital storage media used in standard computers like hard drives, floppy disks, optical and magneto optical disks, data devices with similar functions, Mobile phones, Personal Digital Assistants (PDAs), Personal Electronic Devices (PEDs), memory cards, Mobile navigation systems, Digital still and video cameras (including CCTV), Standard computer with network connections, Networks based on TCP/IP and other digital protocols, and Devices with similar functions as above. The above list of devices is an indicative list and not exhaustive.
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Reaffirmation

INCITS/ISO/IEC 29101:2018 [R202x], Information technology -- Security techniques -- Privacy architecture framework (reaffirm a national adoption INCITS/ISO/IEC 29101:2018 [2019])
Defines a privacy architecture framework that: specifies concerns for ICT systems that process PII; lists components for the implementation of such systems; and provides architectural views contextualizing these components. This document is applicable to entities involved in specifying, procuring, architecting, designing, testing, maintaining, administering and operating ICT systems that process PII. It focuses primarily on ICT systems that are designed to interact with PII principals.
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Reaffirmation

INCITS/ISO/IEC 29115:2013 [R202x], Information technology - Security techniques - Entity authentication assurance framework (reaffirm a national adoption INCITS/ISO/IEC 29115:2013 [R2019])
Provides a framework for managing entity authentication assurance in a given context. In particular, it: specifies four levels of entity authentication assurance; specifies criteria and guidelines for achieving each of the four levels of entity authentication assurance; provides guidance for mapping other authentication assurance schemes to the four LoAs; provides guidance for exchanging the results of authentication that are based on the four LoAs; and provides guidance concerning controls that should be used to mitigate authentication threats.
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Reaffirmation

INCITS/ISO/IEC 29147:2018 [R202x], Information technology -- Security techniques -- Vulnerability disclosure (reaffirm a national adoption INCITS/ISO/IEC 29147:2018 [2019])
Provides requirements and recommendations to vendors on the disclosure of vulnerabilities in products and services. Vulnerability disclosure enables users to perform technical vulnerability management as specified in ISO/IEC 27002:2013, 12.6.1 [1]. Vulnerability disclosure helps users protect their systems and data, prioritize defensive investments, and better assess risk. The goal of vulnerability disclosure is to reduce the risk associated with exploiting vulnerabilities. Coordinated vulnerability disclosure is especially important when multiple vendors are affected.
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Reaffirmation

INCITS/ISO/IEC 29191:2012 [R202x], Information technology - Security techniques - Requirements for partially anonymous, partially unlinkable authentication (reaffirm a national adoption INCITS/ISO/IEC 29191:2012 [R2019])
Provides a framework and establishes requirements for partially anonymous, partially unlinkable authentication.
Single copy price: $38.00
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Reaffirmation

INCITS/ISO/IEC 29361:2008 [R202x], Information technology - Web Services Interoperability - WS-I Basic Profile Version 1.1 (reaffirm a national adoption INCITS/ISO/IEC 29361:2008 [R2019])
Defines the WS-I Basic Profile 1.1, consisting of a set of non-proprietary Web services specifications, along with clarifications, refinements, interpretations and amplifications of those specifications which promote interoperability.
Single copy price: $143.00
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Reaffirmation

INCITS/ISO/IEC 29642:2009 [R202x], Information technology - Data interchange on 120 mm and 80 mm optical disk using +RW DL format - Capacity: 8,55 Gbytes and 2,66 Gbytes per side (recording speed 2,4x) (reaffirm a national adoption INCITS/ISO/IEC 29642:2009 [R2019])
Specifies the mechanical, physical and optical characteristics of 120 mm rewritable optical disks with capacities of 8,55 Gbytes and 17,1 Gbytes. It specifies the quality of the recorded and unrecorded signals, the format of the data and the recording method, thereby allowing for information interchange by means of such disks.
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Reaffirmation

INCITS/ISO/IEC 40210:2011 [R202x], Information technology - W3C SOAP Version 1.2 - Part 1: Messaging Framework (reaffirm a national adoption INCITS/ISO/IEC 40210:2011 [R2019])
SOAP Version 1.2 (SOAP) is a lightweight protocol intended for exchanging structured information in a decentralized, distributed environment. It uses XML technologies to define an extensible messaging framework providing a message construct that can be exchanged over a variety of underlying protocols. The framework has been designed to be independent of any particular programming model and other implementation specific semantics.
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Reaffirmation

INCITS/ISO/IEC 40220:2011 [R202x], Information technology - W3C SOAP Version 1.2 - Part 2: Adjuncts (reaffirm a national adoption INCITS/ISO/IEC 40220:2011 [R2019])
SOAP Version 1.2 is a lightweight protocol intended for exchanging structured information in a decentralized, distributed environment. ISO/IEC 42020:2011 defines a set of adjuncts for use with the SOAP Version 1.2 messaging framework specified in ISO/IEC 42010:2011. ISO/IEC 42020:2011 depends on ISO/IEC 42010:2011.
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Reaffirmation

INCITS/ISO/IEC 40230:2011 [R202x], Information technology - W3C SOAP Message Transmission Optimization Mechanism (reaffirm a national adoption INCITS/ISO/IEC 40230:2011 [R2019])
Specifies an abstract feature for optimizing the transmission and/or wire format of a SOAP message by selectively encoding portions of the message, while still presenting an XML Infoset to the SOAP application.
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Reaffirmation

INCITS/ISO/IEC 40240:2011 [R202x], Information technology - W3C Web Services Addressing 1.0 - Core (reaffirm a national adoption INCITS/ISO/IEC 40240:2011 [R2019])
Web Services Addressing provides transport-neutral mechanisms to address Web services and messages. Defines a set of abstract properties and an XML Infoset representation thereof to reference Web services and to facilitate end-to-end addressing of endpoints in messages. It enables messaging systems to support message transmission through networks that include processing nodes such as endpoint managers, firewalls, and gateways in a transport-neutral manner.
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Reaffirmation

INCITS/ISO/IEC 40250:2011 [R202x], Information technology - W3C Web Services Addressing 1.0 - SOAP Binding (reaffirm a national adoption INCITS/ISO/IEC 40250:2011 [R2019])
Web Services Addressing provides transport-neutral mechanisms to address Web services and messages. ISO/IEC 42050:2011 defines the binding of the abstract properties defined in ISO/IEC 42040 to SOAP Messages.
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Reaffirmation

INCITS/ISO/IEC 40260:2011 [R202x], Information technology - W3C Web Services Addressing 1.0 - Metadata (reaffirm a national adoption INCITS/ISO/IEC 40260:2011 [R2019])
Web Services Addressing provides transport-neutral mechanisms to address Web services and messages. ISO/IEC 40260:2011 defines how the abstract properties defined in ISO/IEC 40240 are described using Web Services Description Language (WSDL), how to include WSDL metadata in endpoint references, and how WS-Policy can be used to indicate the support of WS-Addressing by a Web service.
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Reaffirmation

INCITS/ISO/IEC 40270:2011 [R202x], Information technology - W3C Web Services Policy 1.5 - Framework (reaffirm a national adoption INCITS/ISO/IEC 40270:2011 [R2019])
Defines a framework and a model for expressing policies that refer to domain-specific capabilities, requirements, and general characteristics of entities in a Web services-based system.
Single copy price: $31.00
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Reaffirmation

INCITS/ISO/IEC 40280:2011 [R202x], Information technology - W3C Web Services Policy 1.5 - Attachment (reaffirm a national adoption INCITS/ISO/IEC 40280:2011 [R2019])
Defines two general-purpose mechanisms for associating policies, as defined in ISO/IEC 40270, with the subjects to which they apply. It also defines how these general-purpose mechanisms can be used to associate policies with Web Services Description Language (WSDL) and Universal Description, Discovery and Integration (UDDI) descriptions.
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Reaffirmation

INCITS/ISO/IEC 40500:2012 [R202x], Information technology -- W3C Web Content Accessibility Guidelines (WCAG) 2.0 (reaffirm a national adoption INCITS/ISO/IEC 40500:2012 [R2019])
Web Content Accessibility Guidelines (WCAG) 2.0] covers a wide range of recommendations for making Web content more accessible. Following these guidelines will make content accessible to a wider range of people with disabilities, including blindness and low vision, deafness and hearing loss, learning disabilities, cognitive limitations, limited movement, speech disabilities, photo-sensitivity and combinations of these. Following these guidelines will also often make your Web content more usable to users in general.
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Reaffirmation

INCITS/ISO/IEC 18031:2011/AM 1:2017 [R202x], Information technology - Security techniques - Random bit generation - Amendment 1: Deterministic random bit generation (reaffirm a national adoption INCITS/ISO/IEC 18031:2011/AM 1:2017 [2019])
Amendment 1 to ISO/IEC 18031:2011.
Single copy price: $76.00
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Reaffirmation

INCITS/ISO/IEC 27011:2016/COR 1:2018 [R202x], Information technology - Security techniques - Code of practice for Information security controls based on ISO/IEC 27002 for telecommunications organizations - Technical Corrigendum 1 (reaffirm a national adoption INCITS/ISO/IEC 27011:2016/COR 1:2018 [2019])
Technical Corrigendum 1 to ISO/IEC 27011:2016.
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Stabilized Maintenance

INCITS 452-2009 [S202x], Information technology - AT Attachment-8 ATA/ATAPI Command Set (ATA8-ACS) (stabilized maintenance of INCITS 452-2009 [R2019])
The set of AT Attachment standards consists of this standard and the ATA implementation standards described in AT Attachment - 8 ATA/ATAPI Architecture Model (ATA8-AAM). The AT Attachment ATA Command Set (ATA8-ACS) specifies the command set host systems use to access storage devices. It provides a common command set for systems manufacturers, system integrators, software suppliers, and suppliers of intelligent storage devices.
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Stabilized Maintenance

INCITS 478-2011/AM 1-2014 [S202x], Information technology - Serial Attached SCSI - 2.1 (SAS-2.1) - Amendment 1 (stabilized maintenance of INCITS 478-2011/AM 1-2014 [R2019])
Amendment 1 to INCITS 478-2011
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Stabilized Maintenance

INCITS 485-2014 [S202x], Information Technology - Fibre Channel - Single-Byte Command Code Sets Mapping Protocol - 5 (FC-SB-5) (stabilized maintenance of INCITS 485-2014 [R2019])
This standard describes a communication interface between a channel and I/O control units that utilize the Single-Byte Command Code Sets (SBCCS) as implemented in a wide range of data processing systems. It employs information formats and signaling protocols that provide a uniform means for communicating with various types of I/O control units, facilitating a high-bandwidth, high-performance, and long-distance information exchange environment. The signaling protocols and information exchanges are defined at a layer (FC-4) to compatibly utilize the link services and other functions provided by the INCITS Fibre Channel Framing and Signalling (FC-FS-4) and the INCITS Fibre Channel Link Services (FC-LS-3) specifications.
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Stabilized Maintenance

INCITS 489-2014 [S202x], Information technology - SCSI over PCIe (RTM) architecture (SOP) (stabilized maintenance of INCITS 489-2014 [R2019])
The SCSI family of standards provides for many different transport protocols that define the rules for exchanging information between different SCSI devices. This standard defines the rules for exchanging information between SCSI devices using a PCI Express queuing layer.
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Stabilized Maintenance

INCITS 508-2014 [S202x], Information Technology - Storage Management - Host Bus Adapter Application Programming Interface - 2nd Generation (SM-HBA-2) (stabilized maintenance of INCITS 508-2014 [R2019])
A standard application programming interface (API) defines a scope within which, and a grammar by which it is possible to write application software without attention to vendor-specific infrastructure behavior. This standard specifies a standard API the scope of which is management of Fibre Channel (FC) and Serial Access SCSI (SAS) HBAs, and the use of FC and SAS capabilities for discovery and management of the components of the respective fabric or domain.
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Stabilized Maintenance

INCITS 509-2014 [S202x], Information Technology - Fibre Channel - Backbone - 6 (FC-BB-6) (stabilized maintenance of INCITS 509-2014 [R2019])
This standard defines the functions and mappings for transporting Fibre Channel over various network technologies.
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Stabilized Maintenance

INCITS 514-2014 [S202x], Information technology - SCSI Block Commands - 3 (SBC-3) (stabilized maintenance of INCITS 514-2014 [R2019])
Defines the command set extensions to facilitate operation of SCSI direct access block devices. The clauses in this standard, implemented in conjunction with the applicable clauses of SPC-4, specify the standard command set for SCSI direct access block devices.
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Stabilized Maintenance

INCITS 519-2014 [S202x], Information technology - Serial Attached SCSI-3 (SAS-3) (stabilized maintenance of INCITS 519-2014 [R2019])
Specifies the functional requirements for the Serial Attached SCSI (SAS) physical interconnect, which is compatible with the Serial ATA physical interconnect.
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Stabilized Maintenance

INCITS/ISO 6936:1988 [S202x], Information Processing - Conversion between the Two Coded Character Sets of ISO 646 and ISO 6937-2 and the CCITT International Telegraph Alphabet No. 2 (ITA 2) (stabilized maintenance of INCITS/ISO 6936:1988 [R2019])
Lays down rules for converting between 58 characteristics of CCITT International Telegraph Alphabet No. 2 (Recommendation F.1) and the characters according to the ISO 646 and 6937-2 coded sets. Serves for interaction between international telex service and terminals in data networks if telex character repertoire is sufficient.
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Stabilized Maintenance

INCITS/ISO/IEC 14772-2:2004 [S202x], Information technology - Computer graphics and image processing - The Virtual Reality Modelling Language (VRML) - Part 2: External Authoring Interface (EAI) (stabilized maintenance of INCITS/ISO/IEC 14772-2:2004 [R2019])
Defines a file format that integrates 3D graphics and multimedia. Conceptually, each VRML file is a 3D time-based space that contains graphic and aural objects that can be dynamically modified through a variety of mechanisms. This part of ISO/IEC 14772 defines the interface that applications external to the VRML browser may use to access and manipulate the objects defined in ISO/IEC 14772-1.
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Stabilized Maintenance

INCITS/ISO/IEC 18023-2:2006 [S202x], Information technology - SEDRIS - Part 2: Abstract transmittal format (stabilized maintenance of INCITS/ISO/IEC 18023-2:2006 [R2019])
Specifies the abstract syntax of a SEDRIS transmittal. Actual encodings (e.g. binary encoding) are specified in other parts of ISO/IEC 18023.
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INCITS/ISO/IEC 15948:2004 [S202x], Information technology - Computer graphics and image processing - Portable Network Graphics (PNG): Functional specification (stabilized maintenance of INCITS/ISO/IEC 15948:2004 [R2019])
Specifies a datastream and an associated file format, Portable Network Graphics (PNG, pronounced "ping"), for a lossless, portable, compressed individual computer graphics image transmitted across the Internet. Indexed-colour, greyscale, and truecolour images are supported, with optional transparency. Sample depths range from 1 to 16 bits. PNG is fully streamable with a progressive display option. It is robust, providing both full file integrity checking and simple detection of common transmission errors.
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Stabilized Maintenance

INCITS/ISO/IEC 18025:2014 [S202x], Information technology -- Environmental Data Coding Specification (EDCS) (stabilized maintenance of INCITS/ISO/IEC 18025:2014 [R2019])
Provides mechanisms to specify unambiguously objects used to model environmental concepts. To accomplish this, a collection of nine EDCS dictionaries of environmental concepts are specified: classifications: specify the type of environmental objects; attributes: specify the state of environmental objects; attribute value characteristics: specify information concerning the values of attributes; attribute enumerants: specify the allowable values for the state of an enumerated attribute; units: specify quantitative measures of the state of some environmental objects; unit scales: allow a wide range of numerical values to be stated; unit equivalence classes: specify sets of units that are mutually comparable; organizational schemas: useful for locating classifications and attributes sharing a common context; and groups: into which concepts sharing a common context are collected.
Single copy price: $158.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

Comment Deadline: March 5, 2024

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

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

Withdrawal

INCITS/ISO/IEC 24752-1:2014 [2019], Information technology -- User interfaces -- Universal remote console -- Part 1: General framework (withdrawal of INCITS/ISO/IEC 24752-1:2014 [2019])
Defines a framework of components that combine to enable remote user interfaces and remote control of network-accessible electronic devices and services through a universal remote console (URC). It provides an overview of the URC framework and its components.
Single copy price: $120.00
Obtain an electronic copy from: http://webstore.ansi.org/
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Withdrawal

INCITS/ISO/IEC 24752-2:2014 [2019], Information technology -- User interfaces -- Universal remote console -- Part 2: User interface socket description (withdrawal of INCITS/ISO/IEC 24752-2:2014 [2019])
Defines a user interface socket is an abstract user interface that describes the functionality and state of a device or service (target) in a machine-interpretable manner that is independent of presentation and input capabilities of a user interaction device. This part of ISO/IEC 24752 defines an Extensible Markup Language (XML)-based language for describing a user interface socket.
Single copy price: $120.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

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Withdrawal

INCITS/ISO/IEC 24752-4:2014 [2019], Information technology -- User interfaces -- Universal remote console -- Part 4: Target description (withdrawal of INCITS/ISO/IEC 24752-4:2014 [2019])
Defines an extensible markup language (XML) based language for the description of targets, as used within the universal remote console framework for discovery purposes. A document conforming to this language is a target description.
Single copy price: $90.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

Comment Deadline: March 5, 2024

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

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

Withdrawal

INCITS/ISO/IEC 24752-5:2014 [2019], Information technology -- User interfaces -- Universal remote console -- Part 5: Resource description (withdrawal of INCITS/ISO/IEC 24752-5:2014 [2019])
Defines syntax and semantics for describing atomic resources, resource sheets, groupings, and grouping sheets relevant to the user interface of a device or service ("target").
Single copy price: $120.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

ULSE (UL Standards & Engagement)

1603 Orrington Avenue, Suite 2000, Evanston, IL 60201 | lauren.valentino@ul.org, https://ulse.org/

Revision

BSR/UL 199-202x, Standard for Safety for Automatic Sprinklers for Fire-Protection Service (revision of ANSI/UL 199-2023)
These requirements cover automatic sprinklers including conventional, spray, sidewall, extended coverage, residential, certain specific application sprinklers and storage sprinklers including early suppression fast response (ESFR) intended for installation on sprinkler systems for fire-protection service. Requirements for the installation and use of sprinklers are included in the National Building Code of Canada, Standards for the Installation of Sprinkler Systems, NFPA 13; Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes, NFPA 13D; and Installation of Sprinkler Systems in Low-Rise Residential Occupancies, NFPA 13R; as well as other applicable NFPA Standards. Revisions include changes to clarify requirements and update testing details, and an option for reducing length of double row rack large scale fire test array.
Single copy price: Free
Order from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Lauren Valentino, lauren.valentino@ul.org, https://csds.ul.com/ProposalAvailable

Technical Reports Registered with ANSI

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

AAMI (Association for the Advancement of Medical Instrumentation)

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

Revision

AAMI/ISO TIR10993-19:2020, Biological evaluation of medical devices - Part 19: Physico-chemical, morphological and topographical characterization of materials (revision of technical report AAMI/ISO TIR 10993 -19-200x)
This document provides a compilation of parameters and test methods that can be useful for the identification and evaluation of the physical, i.e. physico□chemical, morphological and topographical (PMT) properties of materials in finished medical devices. Such an assessment is limited to those properties that are relevant to biological evaluation and the medical device's intended use (clinical application and duration of use) even if such properties overlap with clinical effectiveness.
Send comments (copy psa@ansi.org) to: Chenai Maguwah <cmaguwah@aami.org>

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

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

Revision

INCITS/ISO/IEC TR 30117:2021 [2023], Information technology - Guide to on-card biometric comparison standards and applications, a Technical Report prepared by INCITS and registered with ANSI (revision of technical report INCITS/ISO/IEC TR 30117:2014 [2023])
This document summarizes how some of the main international standards and recommendations approach personal identification and its related information security, with regard to the integration of biometrics and integrated circuit cards (ICCs). It also provides examples of how biometrics and ICCs are integrated in applications.

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:

IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854-4141 | s.merten@ieee.org, www.ieee.org

BSR/IEEE C37.015-202x, Guide for the Application of Shunt Reactor Switching (new standard)
Send comments (copy psa@ansi.org) to: Karen Evangelista <k.evangelista@ieee.org>

Project Withdrawn

IEEE (Institute of Electrical and Electronics Engineers)
445 Hoes Lane, Piscataway, NJ 08854-4141 | s.merten@ieee.org, www.ieee.org

BSR/IEEE C57.12.32-202x, Standard for Submersible Equipment--Enclosure Integrity (new standard)
Send comments (copy psa@ansi.org) to: Lisa Weisser <l.weisser@ieee.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.

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

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

ANSI/ASHRAE Addendum v to ANSI/ASHRAE Standard 34-2022, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022) Final Action Date: 12/29/2023 | *Addenda*

ANSI/ASHRAE Addendum w to ANSI/ASHRAE Standard 34-2022, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022) Final Action Date: 12/29/2023 | *Addenda*

ANSI/ASHRAE/ASHE Addendum a to ANSI/ASHRAE/ASHE Standard 189.3-2021, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3-2021) Final Action Date: 12/29/2023 | *Addenda*

ANSI/ASHRAE/ASHE Addendum f to ANSI/ASHRAE/ASHE Standard 189.3-2021, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3-2021) Final Action Date: 12/29/2023 | *Addenda*

ANSI/ASHRAE/IES Addendum e to ANSI/ASHRAE/IES Standard 202-2018, Commissioning Process for New Buildings and New Systems (addenda to ANSI/ASHRAE/IES Standard 202-2018) Final Action Date: 12/29/2023 | *Addenda*

ASME (American Society of Mechanical Engineers)

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

ANSI/ASME B16.33-2023, Manually Operated Metallic Gas Valves for Use in Gas Piping Systems Up to 175 psi (Sizes NPS through NPS 2) (revision of ANSI/ASME B16.33-2012 (R2017)) Final Action Date: 1/2/2024 | *Revision*

CSA (CSA America Standards Inc.)

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

ANSI Z21.18 (R2023), Gas appliance pressure regulators (same as CSA 6.3) (reaffirmation of ANSI Z21.18-2019) Final Action Date: 1/2/2024 | *Reaffirmation*

ANSI Z21.54 (R2023), Gas hose connectors for portable outdoor gas-fired appliances (same as CSA 8.4a) (reaffirmation of ANSI Z21.54-2019) Final Action Date: 1/2/2024 | *Reaffirmation*

ANSI Z21.80-2019 (R2023), Line pressure regulators (same as CSA 6.22) (reaffirmation of ANSI Z21.80-2019) Final Action Date: 1/2/2024 | *Reaffirmation*

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

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

INCITS/ISO/IEC 4005-1:2023 [2023], Telecommunications and information exchange between systems - Unmanned aircraft area network (UAAN) - Part 1: Communication model and requirements (identical national adoption of ISO/IEC 4005-1:2023) Final Action Date: 12/31/2023 | *National Adoption*

INCITS/ISO/IEC 4005-2:2023 [2023], Telecommunications and information exchange between systems - Unmanned aircraft area network (UAAN) - Part 2: Physical and data link protocols for shared communication (identical national adoption of ISO/IEC 4005-2:2023) Final Action Date: 12/31/2023 | *National Adoption*

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

INCITS/ISO/IEC 4005-3:2023 [2023], Telecommunications and information exchange between systems - Unmanned aircraft area network (UAAN) - Part 3: Physical and data link protocols for control communication (identical national adoption of ISO/IEC 4005-3:2023) Final Action Date: 12/31/2023 | *National Adoption*

INCITS/ISO/IEC 4005-4:2023 [2023], Telecommunications and information exchange between systems - Unmanned aircraft area network (UAAN) - Part 4: Physical and data link protocols for video communication (identical national adoption of ISO/IEC 4005-4:2023) Final Action Date: 12/31/2023 | *National Adoption*

INCITS/ISO/IEC 5021-1:2023 [2023], Telecommunications and information exchange between systems - Wireless LAN access control - Part 1: Networking architecture (identical national adoption of ISO/IEC 5021-1:2023) Final Action Date: 12/31/2023 | *National Adoption*

INCITS/ISO/IEC 18033-5:2015/AM1:2021 [2023], Information technology - Security techniques - Encryption algorithms - Part 5: Identity-based ciphers - Amendment 1: SM9 mechanism (identical national adoption of ISO/IEC 18033 -5:2015/AM1:2021) Final Action Date: 12/31/2023 | *National Adoption*

INCITS/ISO/IEC 20008-2:2013/AM1:2021 [2023], Information technology - Security techniques - Anonymous digital signatures - Part 2: Mechanisms using a group public key - Amendment 1 (identical national adoption of ISO/IEC 20008 -2:2013/AM1:2021) Final Action Date: 12/31/2023 | *National Adoption*

INCITS/ISO/IEC 20008-2:2013/AM2:2023 [2023], Information technology - Security techniques - Anonymous digital signatures - Part 2: Mechanisms using a group public key - Amendment 2 (identical national adoption of ISO/IEC 20008 -2:2013/AM2:2023) Final Action Date: 12/31/2023 | *National Adoption*

INCITS/ISO/IEC 29128-1:2023 [2023], Information security, cybersecurity and privacy protection - Verification of cryptographic protocols - Part 1: Framework (identical national adoption of ISO/IEC 29128-1:2023) Final Action Date: 12/31/2023 | *National Adoption*

INCITS/ISO/IEC 8183:2023 [2023], Information technology - Artificial intelligence - Data life cycle framework (identical national adoption of ISO/IEC 8183:2023) Final Action Date: 12/31/2023 | *National Adoption*

INCITS/ISO/IEC 29134:2023 [2023], Information technology - Security techniques - Guidelines for privacy impact assessment (identical national adoption of ISO/IEC 29134:2023 and revision of INCITS/ISO/IEC 29134:2017 [2019]) Final Action Date: 12/31/2023 | *National Adoption*

NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Kyle.Krueger@necanet.org, www.neca-neis.org

ANSI/NECA 1-2023a, Standard for Good Workmanship in Electrical Construction (revision of ANSI/NECA 1-2023) Final Action Date: 1/2/2024 | *Revision*

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

ANSI/NSF 58-2023 (i109r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2022) Final Action Date: 12/25/2023 | *Revision*

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

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

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

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- SDO and Consortia Groups
- Academia
- General Interest

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

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

ANSI Accredited Standards Developer

AAMI - Association for the Advancement of Medical Instrumentation

Revision of ISO 23500:2019

AAMI RD, Renal Disease and Detoxification Committee is seeking user, and general interest/regulator members to participate in the revision of the ISO 23500:2019, *Preparation and quality management of fluids for haemodialysis and related therapies series standards: Part 1: General requirements*; *Part 2: Water treatment equipment for haemodialysis applications and related therapies*; *Part 3, Water for haemodialysis and related therapies; Part 4: Concentrates for haemodialysis and related therapies; Part 5, Quality of dialysis fluids for haemodialysis and related therapies*; Contact: Jill Zajac JZajac@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI 23500-1-202x, Preparation and quality management of fluids for haemodialysis and related therapies - Part 1: General requirements (identical national adoption of ISO 23500-1:202x and revision of ANSI/AAMI/ISO 23500-1-2019)

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI 23500-2-202x, Preparation and quality management of fluids for haemodialysis and related therapies - Part 2:Water treatment equipment for haemodialysis applications and related therapies (identical national adoption of ISO 23500-2:202X and revision of ANSI/AAMI/ISO 23500-2-2019)

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/ISO 10993-17-202x, Biological evaluation of medical devices - Part 17: Toxicological risk assessment of medical device constituents (identical national adoption of ISO 10993-17:2023 (2nd Edition))

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

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

BSR/AHRI Standard 310/380 (SI/I-P)-202x, Standard for Packaged Terminal Air-Conditioners and Heat Pumps (revision of ANSI/AHRI Standard 310/380-2017 (SI/I-P))

ASABE (American Society of Agricultural and Biological Engineers)

2590 Niles Road, Saint Joseph, MI 49085 | stell@asabe.org, https://www.asabe.org/

BSR/ASABE/ISO 27850-202x MONYEAR, Tractors for agriculture and forestry - Falling object protective structures - Test procedures and performance requirements (identical national adoption of ISO 27850:2013 and revision of ANSI/ASABE/ISO 27850-2013 MAY2016 (R2020))

ASME (American Society of Mechanical Engineers)

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

BSR/ASME EA-10-202x, Decarbonization Assessment for Facilities (new standard)

BHMA (Builders Hardware Manufacturers Association)

17 Faulkner Drive, Niantic, CT 06357 | mtierney@kellencompany.com, www.buildershardware.com

BSR/BHMA A156.27-202x, Power and Manual Operated Revolving Pedestrian Doors (revision of ANSI/BHMA A156.27-2019)

DirectTrust (DirectTrust.org, Inc.)

1629 K Street NW, Suite 300, Washington, DC 20006 | standards@directtrust.org, www.DirectTrust.org

BSR/DS2023-06-100-202x, Interoperable Secure Cloud Fax (new standard)

EOS/ESD (ESD Association, Inc.)

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

BSR/EOS ESDA/JEDEC JS-001-202X, ESDA/JEDEC Joint Standard for Electrostatic Discharge Sensitivity Testing - Human Body Model (HBM) - Device Level (revision of ANSI/EOS ESDA/JEDEC JS-001-2023)

GBI (Green Building Initiative)

PO Box 80010, Portland, 97280 | emarx@thegbi.org, www.thegbi.org

BSR/GBI 02-202X, Green Globes Assessment Protocol for Existing Buildings (revision of ANSI/GBI 02-2023)

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

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

INCITS 31-2009 [R202x], Information Technology - Codes for the Identification of Counties and Equivalent Areas of the United States, Puerto Rico, and the Insular Areas (reaffirm a national adoption INCITS 31-2009 [R2019])

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

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

INCITS 38-2009 [R202x], Information Technology - Codes for the Identification of the States and Equivalent Areas within the United States, Puerto Rico, and the Insular Areas (reaffirm a national adoption INCITS 38-2009 [R2019])

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

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

INCITS 452-2009 [S202x], Information technology - AT Attachment-8 ATA/ATAPI Command Set (ATA8-ACS) (stabilized maintenance of INCITS 452-2009 [R2019])

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

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

INCITS 454-2009 [R202x], Information Technology - Codes for the Identification of Metropolitan and Micropolitan Statistical Areas and Related Statistical Areas of the United States and Puerto Rico (reaffirm a national adoption INCITS 454-2009 [R2019])

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

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

INCITS 455-2009 [R202x], Information Technology - Codes for the Identification of Congressional Districts and Equivalent Areas of the United States, Puerto Rico, and the Insular Areas (reaffirm a national adoption INCITS 455 -2009 [R2019])

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

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

INCITS 478-2011/AM 1-2014 [S202x], Information technology - Serial Attached SCSI - 2.1 (SAS-2.1) - Amendment 1 (stabilized maintenance of INCITS 478-2011/AM 1-2014 [R2019])

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

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

INCITS 485-2014 [S202x], Information Technology - Fibre Channel - Single-Byte Command Code Sets Mapping Protocol - 5 (FC-SB-5) (stabilized maintenance of INCITS 485-2014 [R2019])

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

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

INCITS 489-2014 [S202x], Information technology - SCSI over PCIe (RTM) architecture (SOP) (stabilized maintenance of INCITS 489-2014 [R2019])

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

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

INCITS 502-2019 [R202x], Information technology - SCSI Primary Commands - 5 (SPC-5) (reaffirm a national adoption INCITS 502-2019)

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

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

INCITS 508-2014 [S202x], Information Technology - Storage Management - Host Bus Adapter Application Programming Interface - 2nd Generation (SM-HBA-2) (stabilized maintenance of INCITS 508-2014 [R2019])

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

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

INCITS 509-2014 [S202x], Information Technology - Fibre Channel - Backbone - 6 (FC-BB-6) (stabilized maintenance of INCITS 509-2014 [R2019])

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

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

INCITS 514-2014 [S202x], Information technology - SCSI Block Commands - 3 (SBC-3) (stabilized maintenance of INCITS 514-2014 [R2019])

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

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

INCITS 519-2014 [S202x], Information technology - Serial Attached SCSI-3 (SAS-3) (stabilized maintenance of INCITS 519-2014 [R2019])

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

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

INCITS 532-2014 [R202x], Information Technology - Vocabulary Description and Management (reaffirm a national adoption INCITS 532-2014 [R2019])

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

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

INCITS 534-2019 [R202x], Information technology - Serial Attached SCSI - 4 (SAS-4) (reaffirm a national adoption INCITS 534-2019)

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

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

INCITS 536-2016/AM 1-2019 [R202x], Information technology - Zoned Block Commands - Amendment 1 (ZBC-AM 1) (reaffirm a national adoption INCITS 536-2016/AM 1-2019)

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

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

INCITS 537-2016/AM 1-2019 [R202x], Information technology - Zoned-device ATA Commands Amendment 1 (ZAC-AM 1) (reaffirm a national adoption INCITS 537-2016/AM 1-2019)

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

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

INCITS 540-2018/AM 1-2019 [R202x], Information technology - Fibre Channel - Non-Volatile Memory Express - Amendment 1 (FC-NVMe-AM 1) (reaffirm a national adoption INCITS 540-2018/AM 1-2019)

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

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

INCITS 543-2019 [R202x], Information technology - Fibre Channel - Physical Interfaces - 7 (FC-PI-7) (reaffirm a national adoption INCITS 543-2019)

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INCITS 545-2019 [R202x], Information technology - Fibre Channel - Framing and Signaling - 5 (FC-FS-5) (reaffirm a national adoption INCITS 545-2019)

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INCITS 551-2019 [R202x], Information technology - SCSI RDMA Protocol - 2 (SRP-2) (reaffirm a national adoption INCITS 551-2019)

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INCITS/ISO 19115-1:2014 [R202x], Geographic information - Metadata - Part 1: Fundamentals (reaffirm a national adoption INCITS/ISO 19115-1:2014 [R2019])

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INCITS/ISO 19115-2:2019 [R202x], Geographic information - Metadata - Part 2: Extensions for acquisition and processing (reaffirm a national adoption INCITS/ISO 19115-2:2019 [2019])

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INCITS/ISO 6936:1988 [S202x], Information Processing - Conversion between the Two Coded Character Sets of ISO 646 and ISO 6937-2 and the CCITT International Telegraph Alphabet No. 2 (ITA 2) (stabilized maintenance of INCITS/ISO 6936:1988 [R2019])

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INCITS/ISO 19112:2019 [R202x], Geographic information - Spatial referencing by geographic identifiers (reaffirm a national adoption INCITS/ISO 19112:2019 [2019])

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INCITS/ISO/IEC 6523-2:1998 [R202x], Information technology - Structure for the identification of organizations and organization parts - Part 2: Registration of organization identification schemes (reaffirm a national adoption INCITS/ISO/IEC 6523-2:1998 [R2019])

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INCITS/ISO/IEC 7501-1:2008 [R202x], Identification cards - Machine readable travel documents - Part 1: Machine readable passport (reaffirm a national adoption INCITS/ISO/IEC 7501-1:2008 [R2019])

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INCITS/ISO/IEC 7501-3:2005 [R202x], Identification cards - Machine readable travel documents - Part 3: Machine readable official travel documents (reaffirm a national adoption INCITS/ISO/IEC 7501-3:2005 [R2019])

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INCITS/ISO/IEC 7811-7:2018 [R202x], Identification cards -- Recording technique -- Part 7: Magnetic stripe: High coercivity, high density (reaffirm a national adoption INCITS/ISO/IEC 7811-7:2018 [2019])

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INCITS/ISO/IEC 7816-1:2011 [R202x], Identification cards - Integrated circuit cards - Part 1: Cards with contacts - Physical characteristics (reaffirm a national adoption INCITS/ISO/IEC 7816-1:2011 [R2019])

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INCITS/ISO/IEC 7816-5:2004 [R202x], Identification cards - Integrated circuit cards - Part 5: Registration of application providers (reaffirm a national adoption INCITS/ISO/IEC 7816-5:2004 [R2019])

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INCITS/ISO/IEC 7816-7:1999 [R202x], ID Cards - Integrated circuit cards with contacts - Part 7: Interindustry commands for Structured Card Querv Language (SCQL) (reaffirm a national adoption INCITS/ISO/IEC 7816-7:1999 [R2019])

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INCITS/ISO/IEC 7816-9:2017 [R202x], Identification cards - Integrated circuit cards - Part 9: Commands for card management (reaffirm a national adoption INCITS/ISO/IEC 7816-9:2017 [2019])

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INCITS/ISO/IEC 7816-10:1999 [R202x], Identification cards - Integrated circuit(s) cards with contacts - Part 10: Electronic signals and answer to reset for synchronous cards (reaffirm a national adoption INCITS/ISO/IEC 7816 -10:1999 [R2019])

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INCITS/ISO/IEC 7816-15:2016 [R202x], Identification cards -- Integrated circuit cards -- Part 15: Cryptographic information application (reaffirm a national adoption INCITS/ISO/IEC 7816-15:2016 [2019])

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INCITS/ISO/IEC 9541-4:2009 [R202x], Information technology - Font information interchange - Part 4: Harmonization to Open Font Format (reaffirm a national adoption INCITS/ISO/IEC 9541-4:2009 [R2019])

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INCITS/ISO/IEC 9797-1:2011 [R202x], Information technology - Security techniques - Message Authentication Codes (MACs) - Part 1: Mechanisms using a block cipher (reaffirm a national adoption INCITS/ISO/IEC 9797-1:2011 [R2019])

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INCITS/ISO/IEC 9798-3:2019 [R202x], IT Security techniques - Entity authentication - Part 3: Mechanisms using digital signature techniques (reaffirm a national adoption INCITS/ISO/IEC 9798-3:2019 [2019])

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INCITS/ISO/IEC 9798-4:1999 [R202x], Information Technology - Security techniques - Entity authentication - Part 4: Mechanisms using a cryptographic check function (reaffirm a national adoption INCITS/ISO/IEC 9798-4:1999 [R2019])

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

INCITS/ISO/IEC 10021-8:1999 [R202x], Information Technology - Message Handling Systems (MHS) - Part 8: Electronic Data Interchange Messaging Service (reaffirm a national adoption INCITS/ISO/IEC 10021-8:1999 [R2019])

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INCITS/ISO/IEC 10021-9:1999 [R202x], Information Technology - Message Handling Systems (MHS) - Part 9: Electronic Data Interchange Messaging System (reaffirm a national adoption INCITS/ISO/IEC 10021-9:1999 [R2019])

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INCITS/ISO/IEC 10118-1:2016 [R202x], Information technology - Security techniques - Hash-functions - Part 1: General (reaffirm a national adoption INCITS/ISO/IEC 10118-1:2016 [2019])

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INCITS/ISO/IEC 10118-3:2018 [R202x], IT Security techniques - Hash-functions - Part 3: Dedicated hash-functions (reaffirm a national adoption INCITS/ISO/IEC 10118-3:2018 [2019])

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INCITS/ISO/IEC 10118-4:1998/AM 1:2014 [R202x], Information technology - Security techniques - Hash-functions - Part 4: Hash-functions using modular arithmetic - Amendment 1: Object identifiers (reaffirm a national adoption INCITS/ISO/IEC 10118-4:1998/AM 1:2014 [2019])

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INCITS/ISO/IEC 10118-4:1998/COR 1:2014 [R202x], Information technology - Security techniques - Hash-functions - Part 4: Hash-functions using modular arithmetic - Technical Corrigendum 1 (reaffirm a national adoption INCITS/ISO/IEC 10118-4:1998/COR 1:2014 [2019])

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INCITS/ISO/IEC 10746-2:2009 [R202x], Information technology - Open distributed processing - Reference model - Part 2: Foundations (reaffirm a national adoption INCITS/ISO/IEC 10746-2:2009 [R2019])

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INCITS/ISO/IEC 10746-3:2009 [R202x], Information technology - Open distributed processing - Reference model: Architecture - Part 3 (reaffirm a national adoption INCITS/ISO/IEC 10746-3:2009 [R2019])

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

INCITS/ISO/IEC 10918-4:1999 [R202x], Information technology - Digital compression and coding of continuous-tone still images: Registration of JPEG profiles, SPIFF profiles, SPIFF tags, SPIFF colour spaces, APPn markers, SPIFF compression types and Registration Authorities (reaffirm a national adoption INCITS/ISO/IEC 10918-4:1999 [R2019])

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INCITS/ISO/IEC 10918-3:1997/AM1:1999 [R202x], Information technology - Digital compression and coding of continuous-tone still images: Extensions - Amendment 1: Provisions to allow registration of new compression types and versions in the SPIFF header (reaffirm a national adoption INCITS/ISO/IEC 10918-3:1997/AM1:1999 [R2019])

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INCITS/ISO/IEC 11179-4:2004 [R202x], Information technology - Metadata registries (MDR) - Part 4: Formulation of data elements (reaffirm a national adoption INCITS/ISO/IEC 11179-4:2004 [R2019])

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INCITS/ISO/IEC 11693-1:2012 [R202x], Identification cards - Optical memory cards - Part 1: General characteristics (reaffirm a national adoption INCITS/ISO/IEC 11693-1:2012 [R2019])

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INCITS/ISO/IEC 11694-1:2012 [R202x], Identification cards - Optical memory cards - Linear recording method - Part 1: Physical characteristics (reaffirm a national adoption INCITS/ISO/IEC 11694-1:2012 [R2019])

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INCITS/ISO/IEC 11694-2:2012 [R202x], Identification cards - Optical memory cards - Linear recording method - Part 2: Dimensions and Location of the Accessible Optical Area (reaffirm a national adoption INCITS/ISO/IEC 11694 -2:2012 [R2019])

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INCITS/ISO/IEC 11770-2:2018 [R202x], IT Security techniques - Key management - Part 2: Mechanisms using symmetric techniques (reaffirm a national adoption INCITS/ISO/IEC 11770-2:2018 [2019])

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INCITS/ISO/IEC 11770-6:2016 [R202x], Information technology - Security techniques - Key management - Part 6: Key derivation (reaffirm a national adoption INCITS/ISO/IEC 11770-6:2016 [2019])

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INCITS/ISO/IEC 11889-1:2015 [R202x], Information technology - Trusted platform module library - Part 1: Architecture (reaffirm a national adoption INCITS/ISO/IEC 11889-1:2015 [2019])

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INCITS/ISO/IEC 11889-2:2015 [R202x], Information technology - Trusted Platform Module Library - Part 2: Structures (reaffirm a national adoption INCITS/ISO/IEC 11889-2:2015 [2019])

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INCITS/ISO/IEC 11889-3:2015 [R202x], Information technology - Trusted Platform Module Library - Part 3: Commands (reaffirm a national adoption INCITS/ISO/IEC 11889-3:2015 [2019])

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INCITS/ISO/IEC 11889-4:2015 [R202x], Information technology -- Trusted Platform Module Library -- Part 4: Supporting Routines (reaffirm a national adoption INCITS/ISO/IEC 11889-4:2015 [2019])

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INCITS/ISO/IEC 13250-2:2006 [R202x], Information technology - Topic Maps - Part 2: Data model (reaffirm a national adoption INCITS/ISO/IEC 13250-2:2006 [R2019])

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INCITS/ISO/IEC 13250-3:2013 [R202x], Information technology - Topic Maps - Part 3: XML syntax (reaffirm a national adoption INCITS/ISO/IEC 13250-3:2013 [R2019])

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INCITS/ISO/IEC 13250-4:2009 [R202x], Information technology - Topic Maps - Part 4: Canonicalization (reaffirm a national adoption INCITS/ISO/IEC 13250-4:2009 [R2019])

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INCITS/ISO/IEC 13818-2:2013 [R202x], Information technology -- Generic coding of moving pictures and associated audio information: Video (reaffirm a national adoption INCITS/ISO/IEC 13818-2:2013 [R2019])

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INCITS/ISO/IEC 13818-4:2004 [R202x], Information Technology - Generic coding of moving pictures and associated audio information - Part 4: Conformance testing (reaffirm a national adoption INCITS/ISO/IEC 13818-4:2004 [R2019])

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INCITS/ISO/IEC 13818-7:2006 [R202x], Information technology - Generic coding of moving pictures and associated audio information - Part 7: Advance Audio Coding (AAC) (reaffirm a national adoption INCITS/ISO/IEC 13818-7:2006 [R2019])

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INCITS/ISO/IEC 13818-10:1999 [R202x], Information Technology - Generic coding of moving pictures and associated audio information - Part 10: Conformance extensions for Digital Storage Media Command and Control (DSM-CC) (reaffirm a national adoption INCITS/ISO/IEC 13818-10:1999 [R2019])

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INCITS/ISO/IEC 13818-4:2004/AM1:2005 [R202x], Information Technology - Generic Coding of Moving Pictures and Associated Audio Information - Part 4: Conformance Testing - Amendment 1: MPEG-2 IPMP conformance testing (reaffirm a national adoption INCITS/ISO/IEC 13818-4:2004/AM1:2005 [R2019])

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INCITS/ISO/IEC 13818-4:2004/AM2:2005 [R202x], Information technology - Generic coding of moving pictures and associated audio information - Part 4: Conformance testing - Amendment 2: Additional audio conformance test sequences (reaffirm a national adoption INCITS/ISO/IEC 13818-4:2004/AM2:2005 [R2019])

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INCITS/ISO/IEC 13818-6:1998/AM2:2000 [R202x], Information technology -- Generic coding of moving pictures and associated audio information -- Part 6: Extensions for DSM-CC Amendment 2: Additions to support synchronized download services, opportunistic data services and resource announcement in broadcast and interactive services (reaffirm a national adoption INCITS/ISO/IEC 13818-6:1998/AM2:2000 [R2019])

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INCITS/ISO/IEC 13818-7:2006/AM1:2007 [R202x], Information technology - Generic coding of moving pictures and associated audio information - Part 7: Advanced Audio Coding (AAC) - Amendment 1: Transport of MPEG Surround in AAC (reaffirm a national adoption INCITS/ISO/IEC 13818-7:2006/AM1:2007 [R2019])

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INCITS/ISO/IEC 14496-11:2015 [R202x], Information technology -- Coding of audio-visual objects -- Part 11: Scene description and application engine (reaffirm a national adoption INCITS/ISO/IEC 14496-11:2015 [2019])

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INCITS/ISO/IEC 14496-13:2004 [R202x], Information technology - Coding of audio-visual objects - Part 13: Intellectual Property Management and Protection (IPMP) extensions (reaffirm a national adoption INCITS/ISO/IEC 14496-13:2004 [R2019])

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INCITS/ISO/IEC 14496-16:2011 [R202x], Information technology - Coding of audio-visual objects - Part 16: Animation Framework eXtension (AFX) (reaffirm a national adoption INCITS/ISO/IEC 14496-16:2011 [R2019])

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INCITS/ISO/IEC 14496-17:2006 [R202x], Information technology - Coding of audio-visual objects - Part 17: Streaming text format (reaffirm a national adoption INCITS/ISO/IEC 14496-17:2006 [R2019])

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INCITS/ISO/IEC 14496-18:2004 [R202x], Information technology - Coding of audio-visual objects - Part 18: Font compression and streaming (reaffirm a national adoption INCITS/ISO/IEC 14496-18:2004 [R2019])

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INCITS/ISO/IEC 14496-19:2004 [R202x], Information technology - Coding of audio-visual objects - Part 19: Synthesized texture stream (reaffirm a national adoption INCITS/ISO/IEC 14496-19:2004 [R2019])

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INCITS/ISO/IEC 14496-21:2006 [R202x], Information technology - Coding of audio-visual objects - Part 21: MPEG-J Graphics Framework eXtensions (GFX) (reaffirm a national adoption INCITS/ISO/IEC 14496-21:2006 [R2019])

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INCITS/ISO/IEC 14496-22:2019 [R202x], Information technology -- Coding of audio-visual objects -- Part 22: Open Font Format (reaffirm a national adoption INCITS/ISO/IEC 14496-22:2019 [2019])

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INCITS/ISO/IEC 14496-23:2008 [R202x], Information technology - Coding of audio-visual objects - Part 23: Symbolic Music Representation (reaffirm a national adoption INCITS/ISO/IEC 14496-23:2008 [R2019])

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INCITS/ISO/IEC 14496-25:2011 [R202x], Information technology - Coding of audio-visual objects - Part 25: 3D Graphics Compression Model (reaffirm a national adoption INCITS/ISO/IEC 14496-25:2011 [R2019])

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INCITS/ISO/IEC 14496-2:2004/AM1:2004 [R202x], Information Technology - Coding of Audio-Visual Objects - Part 2: Visual - Amendment 1: Error resilient simple scalable profile (reaffirm a national adoption INCITS/ISO/IEC 14496 -2:2004/AM1:2004 [R2019])

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INCITS/ISO/IEC 14496-2:2004/AM2:2005 [R202x], Information Technology - Coding Of Audio-Visual Objects - Part 2: Visual Amendment 2: New Levels for Simple Profile (reaffirm a national adoption INCITS/ISO/IEC 14496 -2:2004/AM2:2005 [R2019])

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INCITS/ISO/IEC 14496-2:2004/AM3:2007 [R202x], Information technology - Coding of audio-visual objects - Part 2: Visual - Amendment 3: Support for colour spaces (reaffirm a national adoption INCITS/ISO/IEC 14496 -2:2004/AM3:2007 [R2019])

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INCITS/ISO/IEC 14496-2:2004/AM4:2008 [R202x], Information technology -- Coding of audio-visual objects -- Part 2: Visual - Amendment 4: Simple profile level 6 (reaffirm a national adoption INCITS/ISO/IEC 14496 -2:2004/AM4:2008 [R2019])

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INCITS/ISO/IEC 14496-4:2004/AM 1:2005 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 1: Conformance testing for MPEG-4 (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM1:2005 [R2019])

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INCITS/ISO/IEC 14496-4:2004/AM 2:2005 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 2: MPEG-4 conformance extensions for XMT and media nodes (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM2:2005 [R2019])

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INCITS/ISO/IEC 14496-4:2004/AM 3:2005 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 3: Visual new levels and tools (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM3:2005 [R2019])

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INCITS/ISO/IEC 14496-4:2004/AM 4:2005 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 4: IPMPX conformance extensions (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM4:2005 [R2019])

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INCITS/ISO/IEC 14496-4:2004/AM 5:2005 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 5: Conformance extensions for error-resilient simple scalable profile (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM5:2005 [R2019])

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INCITS/ISO/IEC 14496-4:2004/AM 6:2005 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 6: Advanced Video Coding conformance (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM6:2005 [R2019])

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INCITS/ISO/IEC 14496-4:2004/AM 7:2005 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 7: AFX conformance extensions (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM7:2005 [R2019])

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INCITS/ISO/IEC 14496-4:2004/AM 9:2006 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 9: AVC fidelity range extensions conformance (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM9:2006 [R2019])

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INCITS/ISO/IEC 14496-5:2001/AM4:2004 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 4: IPMPX reference software extensions (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM4:2004 [R2019])

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INCITS/ISO/IEC 14496-5:2001/AM5:2004 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 5: Reference software extensions for error resilient simple scalable profile (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM5:2004 [R2019])

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INCITS/ISO/IEC 14496-5:2001/AM6:2005 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 6: Advanced Video Coding (AVC) and High Efficiency Advanced Audio Coding (HE AAC) reference software (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM6:2005 [R2019])

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INCITS/ISO/IEC 14496-5:2001/AM7:2005 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 7: AFX reference software extensions (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM7:2005 [R2019])

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INCITS/ISO/IEC 14496-5:2001/AM8:2006 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 8: AVC fidelity range extensions reference software (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM8:2006 [R2019])

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INCITS/ISO/IEC 14496-5:2001/AM9:2007 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 9: Morphing & Textures reference software (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM9:2007 [R2019])

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INCITS/ISO/IEC 14496-4:2004/AM17:2007 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 17: Advanced text and 2D graphics conformance (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM17:2007 [R2019])

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INCITS/ISO/IEC 14496-4:2004/AM 23:2008 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 23: Synthesized texture conformance (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM23:2008 [R2019])

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INCITS/ISO/IEC 14496-4:2004/AM 24:2008 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 24: File format conformance (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM24:2008 [R2019])

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INCITS/ISO/IEC 14496-4:2004/AM 25:2008 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 25: LASeR and SAF conformance (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM25:2008 [R2019])

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INCITS/ISO/IEC 14496-4:2004/AM 26:2008 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 26: Conformance levels and bitstreams for Open Font Format (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM26:2008 [R2019])

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INCITS/ISO/IEC 14496-4:2004/AM 27:2008 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 27: LASeR and SAF extensions conformance (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM27:2008 [R2019])

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INCITS/ISO/IEC 14496-4:2004/AM 28:2008 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 28: Conformance extensions for simple profile level 6 (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM28:2008 [R2019])

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INCITS/ISO/IEC 14496-4:2004/AM 29:2008 [R202x], Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 29: Symbolic Music Representation conformance (reaffirm a national adoption INCITS/ISO/IEC 14496-4:2004/AM29:2008 [R2019])

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INCITS/ISO/IEC 14496-5:2001/AM10:2007 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 10: SSC, DST, ALS and SLS reference software (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM10:2007 [R2019])

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INCITS/ISO/IEC 14496-5:2001/AM11:2007 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 11: MPEG-J GFX Reference software (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM11:2007 [R2019])

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INCITS/ISO/IEC 14496-5:2001/AM12:2007 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 12: Updated file format reference software (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM12:2007 [R2019])

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INCITS/ISO/IEC 14496-5:2001/AM13:2008 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 13: Geometry and shadow reference software (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM13:2008 [R2019])

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INCITS/ISO/IEC 14496-5:2001/AM 16:2008 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 16: Symbolic Music Representation reference software (reaffirm a national adoption INCITS/ISO/IEC 14496-5:2001/AM16:2008 [R2019])

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INCITS/ISO/IEC 14772-2:2004 [S202x], Information technology - Computer graphics and image processing - The Virtual Reality Modelling Language (VRML) - Part 2: External Authoring Interface (EAI) (stabilized maintenance of INCITS/ISO/IEC 14772-2:2004 [R2019])

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INCITS/ISO/IEC 14888-2:2008 [R202x], Information technology - Security techniques - Digital signatures with appendix - Part 2: Integer factorization based mechanisms (reaffirm a national adoption INCITS/ISO/IEC 14888 -2:2008 [R2019])

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INCITS/ISO/IEC 15444-6:2013 [R202x], Information technology - JPEG 2000 image coding system - Part 6: Compound image file format (reaffirm a national adoption INCITS/ISO/IEC 15444-6:2013 [R2019])

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INCITS/ISO/IEC 15444-11:2007 [R202x], Information technology - JPEG 2000 image coding system: Wireless (reaffirm a national adoption INCITS/ISO/IEC 15444-11:2007 [R2019])

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INCITS/ISO/IEC 15444-13:2008 [R202x], Information technology - JPEG 2000 image coding system: An entry level JPEG 2000 encoder (reaffirm a national adoption INCITS/ISO/IEC 15444-13:2008 [R2019])

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INCITS/ISO/IEC 15938-9:2005 [R202x], Information technology - Multimedia content description interface - Part 9: Profiles and levels (reaffirm a national adoption INCITS/ISO/IEC 15938-9:2005 [R2019])

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INCITS/ISO/IEC 15938-10:2005 [R202x], Information technology - Multimedia content description Interface - Part 10: Schema definition (reaffirm a national adoption INCITS/ISO/IEC 15938-10:2005 [R2019])

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INCITS/ISO/IEC 15938-1:2002/AM 1:2005 [R202x], Information technology - Multimedia content description interface - Part 1: Systems - Amendment 1: Systems extensions (reaffirm a national adoption INCITS/ISO/IEC 15938 -1:2002/AM1:2005 [R2019])

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INCITS/ISO/IEC 15938-1:2002/AM 2:2006 [R202x], Information technology - Multimedia content description interface - Part 1: Systems - Amendment 2: Fast access extension (reaffirm a national adoption INCITS/ISO/IEC 15938-1:2002/AM2:2006 [R2019])

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INCITS/ISO/IEC 15938-3:2002/AM1:2004 [R202x], Information technology - Multimedia content description interface - Part 3: Visual - Amendment 1: Visual extensions (reaffirm a national adoption INCITS/ISO/IEC 15938 -3:2002/AM1:2004 [R2019])

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INCITS/ISO/IEC 15938-3:2002/AM2:2006 [R202x], Information technology - Multimedia content description interface - Part 3: Visual - Amendment 2: Perceptual 3D Shape Descriptor (reaffirm a national adoption INCITS/ISO/IEC 15938-3:2002/AM2:2006 [R2019])

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INCITS/ISO/IEC 15938-4:2002/AM1:2004 [R202x], Information technology - Multimedia content description interface - Part 4: Audio - Amendment 1: Audio extensions (reaffirm a national adoption INCITS/ISO/IEC 15938 -4:2002/AM1:2004 [R2019])

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INCITS/ISO/IEC 15938-4:2002/AM2:2006 [R202x], Information technology - Multimedia content description interface - Part 4: Audio - Amendment 2: High-level descriptors (reaffirm a national adoption INCITS/ISO/IEC 15938 -4:2002/AM2:2006 [R2019])

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INCITS/ISO/IEC 15938-5:2003/AM 1:2004 [R202x], Information technology - Multimedia content description interface - Part 5: Multimedia description schemes - Amendment 1: Multimedia description schemes extensions (reaffirm a national adoption INCITS/ISO/IEC 15938-5:2003/AM1:2004 [R2019])

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INCITS/ISO/IEC 15938-5:2003/AM 2:2005 [R202x], Information technology - Multimedia content description interface - Part 5: Multimedia description schemes - Amendment 2: Multimedia description schemes user preference extensions (reaffirm a national adoption INCITS/ISO/IEC 15938-5:2003/AM2:2005 [R2019])

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INCITS/ISO/IEC 15938-5:2003/AM 3:2008 [R202x], Information technology - Multimedia content description interface - Part 5: Multimedia description schemes - Amendment 3: Improvements to geographic descriptor (reaffirm a national adoption INCITS/ISO/IEC 15938-5:2003/AM3:2008 [R2019])

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INCITS/ISO/IEC 15938-7:2003/AM1:2005 [R202x], Information technology - Multimedia content description interface - Part 7: Conformance testing - Amendment 1: Conformance extensions (reaffirm a national adoption INCITS/ISO/IEC 15938-7:2003/AM1:2005 [R2019])

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INCITS/ISO/IEC 15938-7:2003/AM2:2007 [R202x], Information technology - Multimedia content description interface - Part 7: Conformance testing - Amendment 2: Fast access extensions conformance (reaffirm a national adoption INCITS/ISO/IEC 15938-7:2003/AM2:2007 [R2019])

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INCITS/ISO/IEC 15938-7:2003/AM3:2007 [R202x], Information technology - Multimedia content description interface - Part 7: Conformance testing - Amendment 3: Conformance testing of perceptual 3D shape descriptor (reaffirm a national adoption INCITS/ISO/IEC 15938-7:2003/AM3:2007 [R2019])

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INCITS/ISO/IEC 15938-7:2003/AM4:2008 [R202x], Information technology - Multimedia content description interface - Part 7: Conformance testing - Amendment 4: Improvements to geographic descriptor conformance (reaffirm a national adoption INCITS/ISO/IEC 15938-7:2003/AM4:2008 [R2019])

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INCITS/ISO/IEC 15946-1:2016 [R202x], Information technology -- Security techniques -- Cryptographic techniques based on elliptic curves -- Part 1: General (reaffirm a national adoption INCITS/ISO/IEC 15946-1:2016 [2019])

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INCITS/ISO/IEC 18013-1:2018 [R202x], Information technology -- Personal identification -- ISO-compliant driving license -- Part 1: Physical characteristics and basic data set (reaffirm a national adoption INCITS/ISO/IEC 18013 -1:2018 [2019])

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INCITS/ISO/IEC 18023-1:2006 [R202x], Information technology - SEDRIS - Part 1: Functional specification (reaffirm a national adoption INCITS/ISO/IEC 18023-1:2006 [R2019])

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INCITS/ISO/IEC 18023-2:2006 [S202x], Information technology - SEDRIS - Part 2: Abstract transmittal format (stabilized maintenance of INCITS/ISO/IEC 18023-2:2006 [R2019])

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INCITS/ISO/IEC 18023-3:2006 [R202x], Information technology - SEDRIS - Part 3: Transmittal format binary encoding (reaffirm a national adoption INCITS/ISO/IEC 18023-3:2006 [R2019])

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INCITS/ISO/IEC 18024-4:2006 [R202x], Information technology - SEDRIS language bindings - Part 4: C (reaffirm a national adoption INCITS/ISO/IEC 18024-4:2006 [R2019])

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INCITS/ISO/IEC 18033-5:2015 [R202x], Information technology -- Security techniques -- Encryption algorithms -- Part 5: Identity-based ciphers (reaffirm a national adoption INCITS/ISO/IEC 18033-5:2015 [2019])

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INCITS/ISO/IEC 18041-4:2016 [R202x], Information technology -- Computer graphics, image processing and environmental data representation -- Environmental Data Coding Specification (EDCS) language bindings -- Part 4: C (reaffirm a national adoption INCITS/ISO/IEC 18041-4:2016 [2019])

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INCITS/ISO/IEC 18042-4:2006 [R202x], Information technology - Computer graphics and image processing - Spatial Reference Model (SRM) language bindings - Part 4: C (reaffirm a national adoption INCITS/ISO/IEC 18042-4:2006 [R2019])

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INCITS/ISO/IEC 18370-1:2016 [R202x], Information technology -- Security techniques -- Blind digital signatures -- Part 1: General (reaffirm a national adoption INCITS/ISO/IEC 18370-1:2016 [2019])

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INCITS/ISO/IEC 18370-2:2016 [R202x], Information technology -- Security techniques -- Blind digital signatures -- Part 2: Discrete logarithm based mechanisms (reaffirm a national adoption INCITS/ISO/IEC 18370-2:2016 [2019])

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INCITS/ISO/IEC 18384-1:2016 [R202x], Information technology - Reference Architecture for Service Oriented Architecture (SOA RA) - Part 1: Terminology and concepts for SOA (reaffirm a national adoption INCITS/ISO/IEC 18384-1:2016 [2019])

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INCITS/ISO/IEC 18384-2:2016 [R202x], Information technology - Reference Architecture for Service Oriented Architecture (SOA RA) - Part 2: Reference Architecture for SOA Solutions (reaffirm a national adoption INCITS/ISO/IEC 18384-2:2016 [2019])

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INCITS/ISO/IEC 18384-3:2016 [R202x], Information technology - Reference Architecture for Service Oriented Architecture (SOA RA) - Part 3: Service Oriented Architecture ontology (reaffirm a national adoption INCITS/ISO/IEC 18384-3:2016 [2019])

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INCITS/ISO/IEC 19086-1:2016 [R202x], Information technology - Cloud computing - Service level agreement (SLA) framework - Part 1: Overview and concepts (reaffirm a national adoption INCITS/ISO/IEC 19086-1:2016 [2019])

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INCITS/ISO/IEC 19086-3:2017 [R202x], Information technology - Cloud computing - Service level agreement (SLA) framework - Part 3: Core conformance requirements (reaffirm a national adoption INCITS/ISO/IEC 19086-3:2017 [2019])

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INCITS/ISO/IEC 19592-1:2016 [R202x], Information technology -- Security techniques -- Secret sharing -- Part 1: General (reaffirm a national adoption INCITS/ISO/IEC 19592-1:2016 [2019])

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INCITS/ISO/IEC 19592-2:2017 [R202x], Information technology -- Security techniques -- Secret sharing -- Part 2: Fundamental mechanisms (reaffirm a national adoption INCITS/ISO/IEC 19592-2:2017 [2019])

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INCITS/ISO/IEC 19757-2:2008 [R202x], Information technology - Document Schema Definition Language (DSDL) - Part 2: Regular-grammar-based validation - RELAX NG (reaffirm a national adoption INCITS/ISO/IEC 19757-2:2008 [R2019])

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INCITS/ISO/IEC 19757-8:2008 [R202x], Information technology - Document Schema Definition Languages (DSDL) - Part 8: Document Semantics Renaming Language (DSRL) (reaffirm a national adoption INCITS/ISO/IEC 19757 -8:2008 [R2019])

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INCITS/ISO/IEC 19757-9:2008 [R202x], Information technology - Document Schema Definition Languages (DSDL) - Part 9: Namespace and datatype declaration in Document Type Definitions (DTDs) (reaffirm a national adoption INCITS/ISO/IEC 19757-9:2008 [R2019])

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INCITS/ISO/IEC 19775-1:2013 [R202x], Information technology - Computer graphics, image processing and environmental data representation - Extensible 3D (X3D) - Part 1: Architecture and base components (reaffirm a national adoption INCITS/ISO/IEC 19775-1:2013 [R2019])

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INCITS/ISO/IEC 19776-2:2015 [R202x], Information technology -- Computer graphics, image processing and environmental data representation -- Extensible 3D (X3D) encodings -- Part 2: Classic VRML encoding (reaffirm a national adoption INCITS/ISO/IEC 19776-2:2015 [2019])

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INCITS/ISO/IEC 19785-4:2010/COR1:2013 [R202x], Information technology -- Common Biometric Exchange Formats Framework (CBEFF) -- Part 4: Security block format specifications -- TECHNICAL CORRIGENDUM 1 (reaffirm a national adoption INCITS/ISO/IEC 19785-4:2010/COR1:2013 [R2019])

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INCITS/ISO/IEC 19794-7:2014 [R202x], Information technology - Biometric data interchange formats - Part 7: Signature/sign time series data (reaffirm a national adoption INCITS/ISO/IEC 19794-7:2014 [R2019])

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INCITS/ISO/IEC 19794-8:2006 [R202x], Information technology - Biometric data interchange formats - Part 8: Finger pattern skeletal data (reaffirm a national adoption INCITS/ISO/IEC 19794-8:2006 [R2019])

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INCITS/ISO/IEC 19794-1:2011/AM 1:2013 [R202x], Information technology - Biometric data interchange formats - Part 1: Framework Amendment 1: Conformance testing methodology (reaffirm a national adoption INCITS/ISO/IEC 19794-1:2011/AM1:2013 [R2019])

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INCITS/ISO/IEC 19794-4:2011/COR1:2012 [R202x], Information technology - Biometric data interchange formats - Part 4: Finger image data - Technical Corrigendum 1 (reaffirm a national adoption INCITS/ISO/IEC 19794 -4:2011/COR1:2012 [R2019])

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INCITS/ISO/IEC 19794-4:2011/AM1:2013 [R202x], Information technology - Biometric data interchange formats - Part 4: Finger image data Amendment 1: Conformance testing methodology and clarification of defects (reaffirm a national adoption INCITS/ISO/IEC 19794-4:2011/AM1:2013 [R2019])

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INCITS/ISO/IEC 19794-5:2011/AM1:2014 [R202x], Information technology - Biometric data interchange formats - Part 5: Face image data - Amendment 1: Conformance testing methodology and clarification of defects (reaffirm a national adoption INCITS/ISO/IEC 19794-5:2011/AM1:2014 [R2019])

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INCITS/ISO/IEC 19794-6:2011/COR1:2012 [R202x], Information technology - Biometric data interchange formats - Part 6: Iris image data - Technical Corrigendum 1 (reaffirm a national adoption INCITS/ISO/IEC 19794 -6:2011/COR1:2012 [R2019])

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INCITS/ISO/IEC 19795-2:2007 [R202x], Information technology - Biometric performance testing and reporting - Part 2: Testing methodologies for technology and scenario evaluation (reaffirm a national adoption INCITS/ISO/IEC 19795-2:2007 [R2019])

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INCITS/ISO/IEC 19795-4:2008 [R202x], Information technology - Biometric performance testing and reporting - Part 4: Interoperability performance testing (reaffirm a national adoption INCITS/ISO/IEC 19795-4:2008 [R2019])

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INCITS/ISO/IEC 19896-1:2018 [R202x], IT security techniques -- Competence requirements for information security testers and evaluators -- Part 1: Introduction, concepts and general requirements (reaffirm a national adoption INCITS/ISO/IEC 19896-1:2018 [2019])

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INCITS/ISO/IEC 19896-2:2018 [R202x], IT security techniques -- Competence requirements for information security testers and evaluators -- Part 2: Knowledge, skills and effectiveness requirements for ISO/IEC 19790 testers (reaffirm a national adoption INCITS/ISO/IEC 19896-2:2018 [2019])

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INCITS/ISO/IEC 19896-3:2018 [R202x], IT security techniques -- Competence requirements for information security testers and evaluators -- Part 3: Knowledge, skills and effectiveness requirements for ISO/IEC 15408 evaluators (reaffirm a national adoption INCITS/ISO/IEC 19896-3:2018 [2019])

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INCITS/ISO/IEC 20008-1:2013 [R202x], Information technology - Security techniques - Anonymous digital signatures - Part 1: General (reaffirm a national adoption INCITS/ISO/IEC 20008-1:2013 [R2019])

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INCITS/ISO/IEC 20008-2:2013 [R202x], Information technology - Security techniques - Anonymous digital signatures - Part 2: Mechanisms using a group public key (reaffirm a national adoption INCITS/ISO/IEC 20008 -2:2013 [R2019])

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INCITS/ISO/IEC 20009-1:2013 [R202x], Information technology - Security techniques - Anonymous entity authentication - Part 1: General (reaffirm a national adoption INCITS/ISO/IEC 20009-1:2013 [R2019])

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INCITS/ISO/IEC 21000-4:2006 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 4: Intellectual Property Management and Protection Components (reaffirm a national adoption INCITS/ISO/IEC 21000 -4:2006 [R2019])

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INCITS/ISO/IEC 21000-5:2004 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 5: Rights Expression Language (reaffirm a national adoption INCITS/ISO/IEC 21000-5:2004 [R2019])

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INCITS/ISO/IEC 21000-6:2004 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 6: Rights Data Dictionary (reaffirm a national adoption INCITS/ISO/IEC 21000-6:2004 [R2019])

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INCITS/ISO/IEC 21000-8:2008 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 8: Reference software (reaffirm a national adoption INCITS/ISO/IEC 21000-8:2008 [R2019])

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INCITS/ISO/IEC 21000-9:2005 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 9: File Format (reaffirm a national adoption INCITS/ISO/IEC 21000-9:2005 [R2019])

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INCITS/ISO/IEC 21000-10:2006 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 10: Digital Item Processing (reaffirm a national adoption INCITS/ISO/IEC 21000-10:2006 [R2019])

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INCITS/ISO/IEC 21000-14:2007 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 14: Conformance Testing (reaffirm a national adoption INCITS/ISO/IEC 21000-14:2007 [R2019])

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INCITS/ISO/IEC 21000-15:2006 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 15: Event Reporting (reaffirm a national adoption INCITS/ISO/IEC 21000-15:2006 [R2019])

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INCITS/ISO/IEC 21000-16:2005 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 16: Binary Format (reaffirm a national adoption INCITS/ISO/IEC 21000-16:2005 [R2019])

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INCITS/ISO/IEC 21000-17:2006 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 17: Fragment Identification of MPEG Resources (reaffirm a national adoption INCITS/ISO/IEC 21000-17:2006 [R2019])

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INCITS/ISO/IEC 21000-18:2007 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 18: Digital Item Streaming (reaffirm a national adoption INCITS/ISO/IEC 21000-18:2007 [R2019])

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INCITS/ISO/IEC 21000-3:2003/AM 1:2007 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 3: Digital Item Identification - Amendment 1: Related identifier types (reaffirm a national adoption INCITS/ISO/IEC 21000-3:2003/AM1:2007 [R2019])

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INCITS/ISO/IEC 21000-4:2006/AM 1:2007 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 4: Intellectual Property Management and Protection Components - Amendment 1: IPMP components base profile (reaffirm a national adoption INCITS/ISO/IEC 21000-4:2006/AM1:2007 [R2019])

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INCITS/ISO/IEC 21000-5:2004/AM 1:2007 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 5: Rights Expression Language - Amendment 1: MAM (Mobile And optical Media) profile (reaffirm a national adoption INCITS/ISO/IEC 21000-5:2004/AM1:2007 [R2019])

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INCITS/ISO/IEC 21000-5:2004/AM 2:2007 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 5: Rights Expression Language - Amendment 2: DAC (Dissemination And Capture) profile (reaffirm a national adoption INCITS/ISO/IEC 21000-5:2004/AM2:2007 [R2019])

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INCITS/ISO/IEC 21000-5:2004/AM 3:2008 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 5: Rights Expression Language - Amendment 3: Open access content (OAC) profile (reaffirm a national adoption INCITS/ISO/IEC 21000-5:2004/AM3:2008 [R2019])

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INCITS/ISO/IEC 21000-6:2004/AM1:2006 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 6: Rights Data Dictionary - Amendment 1: Digital Item Identifier relationship types (reaffirm a national adoption INCITS/ISO/IEC 21000-6:2004/AM1:2006 [R2019])

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INCITS/ISO/IEC 21000-9:2005/AM1:2008 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 9: File Format - Amendment 1: MIME type registration (reaffirm a national adoption INCITS/ISO/IEC 21000 -9:2005/AM1:2008 [R2019])

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INCITS/ISO/IEC 21000-10:2006/AM 1:2006 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 10: Digital Item Processing - Amendment 1: Additional C++ bindings (reaffirm a national adoption INCITS/ISO/IEC 21000-10:2006/AM1:2006 [R2019])

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INCITS/ISO/IEC 21000-15:2006/AM1:2008 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 15: Event Reporting - Amendment 1: Security in Event Reporting (reaffirm a national adoption INCITS/ISO/IEC 21000-15:2006/AM1:2008 [R2019])

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INCITS/ISO/IEC 23000-2:2008 [R202x], Information technology - Multimedia application format (MPEG-A) - Part 2: MPEG music player application format (reaffirm a national adoption INCITS/ISO/IEC 23000-2:2008 [R2019])

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INCITS/ISO/IEC 23000-5:2011 [R202x], Information technology - Multimedia application format (MPEG-A) - Part 5: Media streaming application format (reaffirm a national adoption INCITS/ISO/IEC 23000-5:2011 [R2019])

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INCITS/ISO/IEC 23000-7:2008 [R202x], Information technology - Multimedia application format (MPEG-A) - Part 7: Open access application format (reaffirm a national adoption INCITS/ISO/IEC 23000-7:2008 [R2019])

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INCITS/ISO/IEC 23000-9:2008 [R202x], Information technology - Multimedia application format (MPEG-A) - Part 9: Digital Multimedia Broadcasting application format (reaffirm a national adoption INCITS/ISO/IEC 23000-9:2008 [R2019])

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INCITS/ISO/IEC 23001-1:2006 [R202x], Information technology - MPEG systems technologies - Part 1: Binary MPEG format for XML (reaffirm a national adoption INCITS/ISO/IEC 23001-1:2006 [R2019])

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INCITS/ISO/IEC 23001-2:2008 [R202x], Information technology - MPEG systems technologies - Part 2: Fragment request units (reaffirm a national adoption INCITS/ISO/IEC 23001-2:2008 [R2019])

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INCITS/ISO/IEC 23001-3:2008 [R202x], Information technology - MPEG systems technologies - Part 3: XML IPMP messages (reaffirm a national adoption INCITS/ISO/IEC 23001-3:2008 [R2019])

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INCITS/ISO/IEC 23001-5:2008 [R202x], Information technology - MPEG systems technologies - Part 5: Bitstream Syntax Description Language (BSDL) (reaffirm a national adoption INCITS/ISO/IEC 23001-5:2008 [R2019])

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INCITS/ISO/IEC 23001-1:2006/AM1:2007 [R202x], Information technology - MPEG systems technologies - Part 1: Binary MPEG format for XML - Amendment 1: Conformance and reference software (reaffirm a national adoption INCITS/ISO/IEC 23001-1:2006/AM1:2007 [R2019])

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INCITS/ISO/IEC 23001-1:2006/AM2:2008 [R202x], Information technology - MPEG systems technologies - Part 1: Binary MPEG format for XML - Amendment 2: Conservation of prefixes and extensions on encoding of wild cards (reaffirm a national adoption INCITS/ISO/IEC 23001-1:2006/AM2:2008 [R2019])

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INCITS/ISO/IEC 23002-1:2006 [R202x], Information technology - MPEG video technologies - Part 1: Accuracy requirements for implementation of integer-output 8x8 inverse discrete cosine transform (reaffirm a national adoption INCITS/ISO/IEC 23002-1:2006 [R2019])

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INCITS/ISO/IEC 23002-2:2008 [R202x], Information technology -- MPEG video technologies -- Part 2: Fixed-point 8x8 inverse discrete cosine transform and discrete cosine transform (reaffirm a national adoption INCITS/ISO/IEC 23002-2:2008 [R2019])

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INCITS/ISO/IEC 23002-3:2007 [R202x], Information technology - MPEG video technologies - Part 3: Representation of auxiliary video and supplemental information (reaffirm a national adoption INCITS/ISO/IEC 23002-3:2007 [R2019])

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INCITS/ISO/IEC 23002-1:2006/AM1:2008 [R202x], Information technology - MPEG video technologies - Part 1: Accuracy requirements for implementation of integer-output 8x8 inverse discrete cosine transform - Amendment 1: Software for integer IDCT accuracy testing (reaffirm a national adoption INCITS/ISO/IEC 23002-1:2006/AM1:2008 [R2019])

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INCITS/ISO/IEC 23003-1:2007 [R202x], Information technology - MPEG audio technologies - Part 1: MPEG Surround (reaffirm a national adoption INCITS/ISO/IEC 23003-1:2007 [R2019])

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INCITS/ISO/IEC 23003-1:2007/AM1:2008 [R202x], Information technology - MPEG audio technologies - Part 1: MPEG Surround - Amendment 1: Conformance testing (reaffirm a national adoption INCITS/ISO/IEC 23003 -1:2007/AM1:2008 [R2019])

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INCITS/ISO/IEC 23004-1:2007 [R202x], Information technology - Multimedia Middleware - Part 1: Architecture (reaffirm a national adoption INCITS/ISO/IEC 23004-1:2007 [R2019])

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INCITS/ISO/IEC 23004-2:2007 [R202x], Information technology - Multimedia Middleware - Part 2: Multimedia application programming interface (API) (reaffirm a national adoption INCITS/ISO/IEC 23004-2:2007 [R2019])

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INCITS/ISO/IEC 23004-3:2007 [R202x], Information technology - Multimedia Middleware - Part 3: Component model (reaffirm a national adoption INCITS/ISO/IEC 23004-3:2007 [R2019])

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INCITS/ISO/IEC 23004-4:2007 [R202x], Information technology - Multimedia Middleware - Part 4: Resource and quality management (reaffirm a national adoption INCITS/ISO/IEC 23004-4:2007 [R2019])

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INCITS/ISO/IEC 23004-5:2008 [R202x], Information technology - Multimedia Middleware - Part 5: Component download (reaffirm a national adoption INCITS/ISO/IEC 23004-5:2008 [R2019])

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INCITS/ISO/IEC 23004-6:2008 [R202x], Information technology - Multimedia Middleware - Part 6: Fault management (reaffirm a national adoption INCITS/ISO/IEC 23004-6:2008 [R2019])

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INCITS/ISO/IEC 23004-7:2008 [R202x], Information technology - Multimedia Middleware - Part 7: System integrity management (reaffirm a national adoption INCITS/ISO/IEC 23004-7:2008 [R2019])

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INCITS/ISO/IEC 24709-1:2017 [R202x], Information technology -- Conformance testing for the biometric application programming interface (BioAPI) -- Part 1: Methods and procedures (reaffirm a national adoption INCITS/ISO/IEC 24709-1:2017 [2019])

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INCITS/ISO/IEC 24713-1:2008 [R202x], Information technology - Biometric profiles for interoperability and data interchange - Part 1: Overview of biometric systems and biometric profiles (reaffirm a national adoption INCITS/ISO/IEC 24713-1:2008 [R2019])

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INCITS/ISO/IEC 24727-2:2008 [R202x], Identification cards - Integrated circuit card programming interfaces - Part 2: Generic card interface (reaffirm a national adoption INCITS/ISO/IEC 24727-2:2008 [R2019])

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INCITS/ISO/IEC 24727-3:2008 [R202x], Identification cards - Integrated circuit card programming interfaces - Part 3: Application interface (reaffirm a national adoption INCITS/ISO/IEC 24727-3:2008 [R2019])

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INCITS/ISO/IEC 24727-4:2008 [R202x], Identification cards - Integrated circuit card programming interfaces - Part 4: Application programming interface (API) administration (reaffirm a national adoption INCITS/ISO/IEC 24727 -4:2008 [R2019])

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INCITS/ISO/IEC 24752-1:2014 [2019], Information technology -- User interfaces -- Universal remote console -- Part 1: General framework (withdrawal of INCITS/ISO/IEC 24752-1:2014 [2019])

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INCITS/ISO/IEC 24752-2:2014 [2019], Information technology -- User interfaces -- Universal remote console -- Part 2: User interface socket description (withdrawal of INCITS/ISO/IEC 24752-2:2014 [2019])

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INCITS/ISO/IEC 24752-4:2014 [2019], Information technology -- User interfaces -- Universal remote console -- Part 4: Target description (withdrawal of INCITS/ISO/IEC 24752-4:2014 [2019])

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INCITS/ISO/IEC 24752-5:2014 [2019], Information technology -- User interfaces -- Universal remote console -- Part 5: Resource description (withdrawal of INCITS/ISO/IEC 24752-5:2014 [2019])

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INCITS/ISO/IEC 27033-2:2012 [R202x], Information technology - Security techniques - Network security - Part 2: Guidelines for the design and implementation of network security (reaffirm a national adoption INCITS/ISO/IEC 27033-2:2012 [R2019])

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INCITS/ISO/IEC 27033-5:2013 [R202x], Information technology - Security techniques - Network security - Part 5: Securing communications across networks using Virtual Private Networks (VPNs) (reaffirm a national adoption INCITS/ISO/IEC 27033-5:2013 [R2019])

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INCITS/ISO/IEC 27034-3:2018 [R202x], Information technology -- Application security -- Part 3: Application security management process (reaffirm a national adoption INCITS/ISO/IEC 27034-3:2018 [2019])

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INCITS/ISO/IEC 27034-5:2017 [R202x], Information technology -- Security techniques -- Application security -- Part 5: Protocols and application security controls data structure (reaffirm a national adoption INCITS/ISO/IEC 27034 -5:2017 [2019])

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INCITS/ISO/IEC 27034-6:2016 [R202x], Information technology -- Security techniques -- Application security -- Part 6: Case studies (reaffirm a national adoption INCITS/ISO/IEC 27034-6:2016 [2019])

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INCITS/ISO/IEC 27034-7:2018 [R202x], Information technology -- Application security -- Part 7: Assurance prediction framework (reaffirm a national adoption INCITS/ISO/IEC 27034-7:2018 [2019])

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INCITS/ISO/IEC 27036-4:2016 [R202x], Information technology -- Security techniques -- Information security for supplier relationships -- Part 4: Guidelines for security of cloud services (reaffirm a national adoption INCITS/ISO/IEC 27036-4:2016 [2019])

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INCITS/ISO/IEC 27050-2:2018 [R202x], Information technology -- Electronic discovery -- Part 2: Guidance for governance and management of electronic discovery (reaffirm a national adoption INCITS/ISO/IEC 27050-2:2018 [2019])

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INCITS/ISO/IEC 29109-5:2019 [R202x], Information technology -- Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 -- Part 5: Face image data (reaffirm a national adoption INCITS/ISO/IEC 29109-5:2019 [2019])

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INCITS/ISO/IEC 29109-1:2009/COR 1:2010 [R202x], Information technology - Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 - Part 1: Generalized conformance testing methodology - Technical Corrigendum 1 (reaffirm a national adoption INCITS/ISO/IEC 29109-1:2009/COR 1:2010 [R2019])

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INCITS/ISO/IEC 29182-1:2013 [R202x], Information technology - Sensor networks: Sensor Network Reference Architecture (SNRA) - Part 1: General overview and requirements (reaffirm a national adoption INCITS/ISO/IEC 29182-1:2013 [R2019])

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INCITS/ISO/IEC 29182-2:2013 [R202x], Information technology - Sensor networks: Sensor Network Reference Architecture (SNRA) - Part 2: Vocabulary and terminology (reaffirm a national adoption INCITS/ISO/IEC 29182 -2:2013 [R2019])

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INCITS/ISO/IEC 29182-3:2014 [R202x], Information technology - Sensor networks: Sensor Network Reference Architecture (SNRA) - Part 3: Reference architecture views (reaffirm a national adoption INCITS/ISO/IEC 29182 -3:2014 [R2019])

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INCITS/ISO/IEC 29182-4:2013 [R202x], Information technology - Sensor networks: Sensor Network Reference Architecture (SNRA) - Part 4: Entity models (reaffirm a national adoption INCITS/ISO/IEC 29182-4:2013 [R2019])

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INCITS/ISO/IEC 29182-5:2013 [R202x], Information technology - Sensor networks: Sensor Network Reference Architecture (SNRA) - Part 5: Interface definitions (reaffirm a national adoption INCITS/ISO/IEC 29182-5:2013 [R2019])

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INCITS/ISO/IEC 29182-6:2014 [R202x], Information technology - Sensor networks: Sensor Network Reference Architecture (SNRA) - Part 6: Applications (reaffirm a national adoption INCITS/ISO/IEC 29182-6:2014 [R2019])

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INCITS/ISO/IEC 29192-3:2012 [R202x], Information technology - Security techniques - Lightweight cryptography - Part 3: Stream ciphers (reaffirm a national adoption INCITS/ISO/IEC 29192-3:2012 [R2019])

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INCITS/ISO/IEC 29192-4:2013 [R202x], Information technology - Security techniques - Lightweight cryptography - Part 4: Mechanisms using asymmetric techniques (reaffirm a national adoption INCITS/ISO/IEC 29192-4:2013 [R2019])

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INCITS/ISO/IEC 29192-5:2016 [R202x], Information technology -- Security techniques -- Lightweight cryptography -- Part 5: Hash-functions (reaffirm a national adoption INCITS/ISO/IEC 29192-5:2016 [2019])

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INCITS/ISO/IEC 29192-4:2013/AM 1:2016 [R202x], Information technology - Security techniques - Lightweight cryptography - Part 4: Mechanisms using asymmetric techniques - Amendment 1 (reaffirm a national adoption INCITS/ISO/IEC 29192-4:2013/AM 1:2016 [2019])

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INCITS/ISO/IEC 30134-4:2017 [R202x], Information technology -- Data centres -- Key performance indicators -- Part 4: IT Equipment Energy Efficiency for servers (ITEEsv) (reaffirm a national adoption INCITS/ISO/IEC 30134-4:2017 [2019])

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INCITS/ISO/IEC 30134-5:2017 [R202x], Information technology -- Data centres -- Key performance indicators -- Part 5: IT Equipment Utilization for servers (ITEUsv) (reaffirm a national adoption INCITS/ISO/IEC 30134-5:2017 [2019])

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INCITS/ISO/IEC 1001:2012 [R202x], Information technology - File structure and labelling of magnetic tapes for information interchange (reaffirm a national adoption INCITS/ISO/IEC 1001:2012 [R2019])

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INCITS/ISO/IEC 7813:2006 [R202x], Information technology - Identification cards - Financial transaction cards (reaffirm a national adoption INCITS/ISO/IEC 7813:2006 [R2019])

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INCITS/ISO/IEC 9899:2018 [R202x], Information technology - Programming languages - C (reaffirm a national adoption INCITS/ISO/IEC 9899:2018 [2019])

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INCITS/ISO/IEC 9973:2013 [R202x], Information technology - Computer graphics, image processing and environmental data representation - Procedures for registration of items (reaffirm a national adoption INCITS/ISO/IEC 9973:2013 [R2019])

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INCITS/ISO/IEC 11404:2007 [R202x], Information technology - General-Purpose Datatypes (GPD) (reaffirm a national adoption INCITS/ISO/IEC 11404:2007 [R2019])

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INCITS/ISO/IEC 11574:2000 [R202x], Information Technology - Telecommunications and Information Exchange Between Systems - Private Integrated Services Network - Circuit-mode 64 kbit/s Bearer Services - Service Description, Functional Capabilities and Information Flows (reaffirm a national adoption INCITS/ISO/IEC 11574:2000 [R2019])

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INCITS/ISO/IEC 12862:2011 [R202x], Information technology - 120 mm (8,54 Gbytes per side) and 80 mm (2,66 Gbytes per side) DVD recordable disk for dual layer (DVD-R for DL) (reaffirm a national adoption INCITS/ISO/IEC 12862:2011 [R2019])

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INCITS/ISO/IEC 14417:1999 [R202x], Information Technology - Data Recording Format DD-1 for Magnetic Tape Cassette Conforming to IEC 1016 (reaffirm a national adoption INCITS/ISO/IEC 14417:1999 [R2019])

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INCITS/ISO/IEC 14492:2019 [R202x], Information technology -- Lossy/lossless coding of bi-level images (reaffirm a national adoption INCITS/ISO/IEC 14492:2019 [2019])

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INCITS/ISO/IEC 14662:2010 [R202x], Information technology - Open-edi reference model (reaffirm a national adoption INCITS/ISO/IEC 14662:2010 [R2019])

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INCITS/ISO/IEC 14957:2010 [R202x], Information technology - Representation of data element values - Notation of the format (reaffirm a national adoption INCITS/ISO/IEC 14957:2010 [R2019])

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INCITS/ISO/IEC 15414:2015 [R202x], Information technology -- Open distributed processing -- Reference model -- Enterprise language (reaffirm a national adoption INCITS/ISO/IEC 15414:2015 [2019])

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INCITS/ISO/IEC 15948:2004 [S202x], Information technology - Computer graphics and image processing - Portable Network Graphics (PNG): Functional specification (stabilized maintenance of INCITS/ISO/IEC 15948:2004 [R2019])

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INCITS/ISO/IEC 16963:2017 [R202x], Information technology -- Digitally recorded media for information interchange and storage -- Test method for the estimation of lifetime of optical disks for long-term data storage (reaffirm a national adoption INCITS/ISO/IEC 16963:2017 [2019])

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INCITS/ISO/IEC 17341:2009 [R202x], Information technology - Data Interchange on 120 mm and 80 mm Optical Disk using +RW Format - Capacity: 4,7 Gbytes and 1,46 Gbytes per Side (Recording speed up to 4X) (reaffirm a national adoption INCITS/ISO/IEC 17341:2009 [R2019])

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INCITS/ISO/IEC 17344:2009 [R202x], Information technology - Data Interchange on 120 mm and 80 mm Optical Disk using +R Format - Capacity: 4,7 and 1,46 Gbytes per Side (Recording speed up to 16X) (reaffirm a national adoption INCITS/ISO/IEC 17344:2009 [R2019])

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INCITS/ISO/IEC 17629:2014 [R202x], Information technology - Office equipment - Method for measuring first print out time for digital printing devices (reaffirm a national adoption INCITS/ISO/IEC 17629:2014 [R2019])

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INCITS/ISO/IEC 17963:2013 [R202x], Web Services for Management (WS-Management) Specification (reaffirm a national adoption INCITS/ISO/IEC 17963:2013 [R2019])

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INCITS/ISO/IEC 17998:2012 [R202x], Information technology - SOA Governance Framework (reaffirm a national adoption INCITS/ISO/IEC 17998:2012 [R2019])

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INCITS/ISO/IEC 18025:2014 [S202x], Information technology -- Environmental Data Coding Specification (EDCS) (stabilized maintenance of INCITS/ISO/IEC 18025:2014 [R2019])

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INCITS/ISO/IEC 19502:2005 [R202x], Information technology - Meta Object Facility (MOF) (reaffirm a national adoption INCITS/ISO/IEC 19502:2005 [R2019])

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INCITS/ISO/IEC 19503:2005 [R202x], Information technology - XML Metadata Interchange (XMI) (reaffirm a national adoption INCITS/ISO/IEC 19503:2005 [R2019])

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INCITS/ISO/IEC 19508:2014 [R202x], Information technology - Object Management Group Meta Object Facility (MOF) Core (reaffirm a national adoption INCITS/ISO/IEC 19508:2014 [R2019])

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INCITS/ISO/IEC 19509:2014 [R202x], Information technology - Object Management Group XML Metadata Interchange (XMI) (reaffirm a national adoption INCITS/ISO/IEC 19509:2014 [R2019])

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INCITS/ISO/IEC 19790:2012 [R202x], Information technology - Security techniques - Security requirements for cryptographic modules (reaffirm a national adoption INCITS/ISO/IEC 19790:2012 [R2019])

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INCITS/ISO/IEC 19941:2017 [R202x], Information technology - Cloud computing - Interoperability and portability (reaffirm a national adoption INCITS/ISO/IEC 19941:2017 [2019])

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INCITS/ISO/IEC 20005:2013 [R202x], Information technology - Sensor networks - Services and interfaces supporting collaborative information processing in intelligent sensor networks (reaffirm a national adoption INCITS/ISO/IEC 20005:2013 [R2019])

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INCITS/ISO/IEC 20546:2019 [R202x], Information technology -- Big data -- Overview and vocabulary (reaffirm a national adoption INCITS/ISO/IEC 20546:2019 [2019])

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INCITS/ISO/IEC 20889:2018 [R202x], Privacy enhancing data de-identification terminology and classification of techniques (reaffirm a national adoption INCITS/ISO/IEC 20889:2018 [2019])

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INCITS/ISO/IEC 24756:2009 [R202x], Information technology - Framework for specifying a common access profile (CAP) of needs and capabilities of users, systems, and their environments (reaffirm a national adoption INCITS/ISO/IEC 24756:2009 [R2019])

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INCITS/ISO/IEC 25434:2008 [R202x], Information technology -- Data interchange on 120 mm and 80 mm optical disk using +R DL format -- Capacity: 8,55 Gbytes and 2,66 Gbytes per side (recording speed up to 16X) (reaffirm a national adoption INCITS/ISO/IEC 25434:2008 [R2019])

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INCITS/ISO/IEC 26925:2009 [R202x], Information technology - Data interchange on 120 mm and 80 mm optical disk using +RW HS format - Capacity: 4,7 Gbytes and 1,46 Gbytes per side (recording speed 8X) (reaffirm a national adoption INCITS/ISO/IEC 26925:2009 [R2019])

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INCITS/ISO/IEC 27000:2018 [R202x], Information technology -- Security techniques -- Information security management systems -- Overview and vocabulary (reaffirm a national adoption INCITS/ISO/IEC 27000:2018 [2019])

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INCITS/ISO/IEC 27004:2016 [R202x], Information technology -- Security techniques -- Information security management -- Monitoring, measurement, analysis and evaluation (reaffirm a national adoption INCITS/ISO/IEC 27004:2016 [2019])

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INCITS/ISO/IEC 27011:2016 [R202x], Information technology -- Security techniques -- Code of practice for Information security controls based on ISO/IEC 27002 for telecommunications organizations (reaffirm a national adoption INCITS/ISO/IEC 27011:2016 [2019])

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INCITS/ISO/IEC 27018:2019 [R202x], Information technology -- Security techniques -- Code of practice for protection of personally identifiable information (PII) in public clouds acting as PII processors (reaffirm a national adoption INCITS/ISO/IEC 27018:2019 [2019])

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INCITS/ISO/IEC 27037:2012 [R202x], Information technology - Security techniques - Guidelines for identification, collection, acquisition and preservation of digital evidence (reaffirm a national adoption INCITS/ISO/IEC 27037:2012 [R2019])

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INCITS/ISO/IEC 29101:2018 [R202x], Information technology -- Security techniques -- Privacy architecture framework (reaffirm a national adoption INCITS/ISO/IEC 29101:2018 [2019])

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INCITS/ISO/IEC 29115:2013 [R202x], Information technology - Security techniques - Entity authentication assurance framework (reaffirm a national adoption INCITS/ISO/IEC 29115:2013 [R2019])

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INCITS/ISO/IEC 29147:2018 [R202x], Information technology -- Security techniques -- Vulnerability disclosure (reaffirm a national adoption INCITS/ISO/IEC 29147:2018 [2019])

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INCITS/ISO/IEC 29191:2012 [R202x], Information technology - Security techniques - Requirements for partially anonymous, partially unlinkable authentication (reaffirm a national adoption INCITS/ISO/IEC 29191:2012 [R2019])

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INCITS/ISO/IEC 29361:2008 [R202x], Information technology - Web Services Interoperability - WS-I Basic Profile Version 1.1 (reaffirm a national adoption INCITS/ISO/IEC 29361:2008 [R2019])

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INCITS/ISO/IEC 29642:2009 [R202x], Information technology - Data interchange on 120 mm and 80 mm optical disk using +RW DL format - Capacity: 8,55 Gbytes and 2,66 Gbytes per side (recording speed 2,4x) (reaffirm a national adoption INCITS/ISO/IEC 29642:2009 [R2019])

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INCITS/ISO/IEC 40210:2011 [R202x], Information technology - W3C SOAP Version 1.2 - Part 1: Messaging Framework (reaffirm a national adoption INCITS/ISO/IEC 40210:2011 [R2019])

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INCITS/ISO/IEC 40220:2011 [R202x], Information technology - W3C SOAP Version 1.2 - Part 2: Adjuncts (reaffirm a national adoption INCITS/ISO/IEC 40220:2011 [R2019])

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INCITS/ISO/IEC 40230:2011 [R202x], Information technology - W3C SOAP Message Transmission Optimization Mechanism (reaffirm a national adoption INCITS/ISO/IEC 40230:2011 [R2019])

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INCITS/ISO/IEC 40240:2011 [R202x], Information technology - W3C Web Services Addressing 1.0 - Core (reaffirm a national adoption INCITS/ISO/IEC 40240:2011 [R2019])

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

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

INCITS/ISO/IEC 40250:2011 [R202x], Information technology - W3C Web Services Addressing 1.0 - SOAP Binding (reaffirm a national adoption INCITS/ISO/IEC 40250:2011 [R2019])

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

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

INCITS/ISO/IEC 40260:2011 [R202x], Information technology - W3C Web Services Addressing 1.0 - Metadata (reaffirm a national adoption INCITS/ISO/IEC 40260:2011 [R2019])

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

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

INCITS/ISO/IEC 40270:2011 [R202x], Information technology - W3C Web Services Policy 1.5 - Framework (reaffirm a national adoption INCITS/ISO/IEC 40270:2011 [R2019])

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

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

INCITS/ISO/IEC 40280:2011 [R202x], Information technology - W3C Web Services Policy 1.5 - Attachment (reaffirm a national adoption INCITS/ISO/IEC 40280:2011 [R2019])

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

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

INCITS/ISO/IEC 40500:2012 [R202x], Information technology -- W3C Web Content Accessibility Guidelines (WCAG) 2.0 (reaffirm a national adoption INCITS/ISO/IEC 40500:2012 [R2019])

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

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

INCITS/ISO/IEC 18031:2011/AM 1:2017 [R202x], Information technology - Security techniques - Random bit generation - Amendment 1: Deterministic random bit generation (reaffirm a national adoption INCITS/ISO/IEC 18031:2011/AM 1:2017 [2019])

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

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

INCITS/ISO/IEC 27011:2016/COR 1:2018 [R202x], Information technology - Security techniques - Code of practice for Information security controls based on ISO/IEC 27002 for telecommunications organizations - Technical Corrigendum 1 (reaffirm a national adoption INCITS/ISO/IEC 27011:2016/COR 1:2018 [2019])

NSF (NSF International)

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

BSR/NSF 14-202x (i138r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14 -2022)

NSF (NSF International)

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

BSR/NSF 14-202x (i139r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14 -2022)

American National Standards (ANS) Process

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

Where to find Procedures, Guidance, Interpretations and More…

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

• ANSI Essential Requirements: Due process requirements for American National Standards (always current edition):

www.ansi.org/essentialrequirements

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

www.ansi.org/standardsaction

• Accreditation information – for potential developers of American National Standards (ANS):

www.ansi.org/sdoaccreditation

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

www.ansi.org/asd

• Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS:

www.ansi.org/asd

• American National Standards Key Steps:

www.ansi.org/anskeysteps

• American National Standards Value:

www.ansi.org/ansvalue

• ANS Web Forms for ANSI-Accredited Standards Developers:

https://www.ansi.org/portal/psawebforms/

• Information about standards Incorporated by Reference (IBR):

https://ibr.ansi.org/

• ANSI - Education and Training:

www.standardslearn.org

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

SDI (Canvass) - Steel Deck Institute

Effective January 2, 2024

The reaccreditation of **SDI - Steel Deck Institute** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on SDI (Canvass)-sponsored American National Standards, effective **January 2, 2024**. For additional information, please contact: Thomas Sputo, Steel Deck Institute (SDI (Canvass)) | 1731 NW 6th Street, Suite D, Gainesville, FL 32609 | (352) 378-0448, tsputo50@gmail.com

Accreditation Announcements (Standards Developers)

Withdrawal of Accreditation – ASD

AISI - American Iron and Steel Institute

Effective December 31, 2023

The accreditation of **AISI - American Iron and Steel Institute** as a developer of American National Standards has been formally withdrawn at the request of AISI, effective December 31, 2023. The following AISI-sponsored American National Standards and/or registered projects have been transferred to the Steel Deck Institute, effective December 29, 2023:

Notice of ANS transferred to the Steel Deck Institute (SDI)
ANSI/AISI S250-2021, North American Standard for Thermal Transmittance of Building Envelopes with Cold-Formed Steel Framing, (new standard)
ANSI/AISI S901-2017, Test Standard for Determining the Rotational-Lateral Stiffness of Beam-to-Panel Assemblies, (revision of ANSI/AISI S901-2013)
ANSI/AISI S902-2017, Test Standard for Determining the Effective Area of Cold-Formed Steel Compression Members, (revision of ANSI/AISI S902-2013)
ANSI/AISI S904-2017, Test Standard for Determining the Tensile and Shear Strengths of Steel Screws, (revision of ANSI/AISI S904-2013)
ANSI/AISI S905-2017, Test Standard for Determining the Strength and Deformation Characteristics of Cold-Formed Steel Connections, (revision of ANSI/AISI S905-2013)
ANSI/AISI S906-2017, Test Standard for Determining the Load-Carrying Strength of Panels and Anchor-to-Panel Attachments for Roof or Siding Systems Tested in Accordance With ASTM E1592, (revision of ANSI/AISI S906-2013)
ANSI/AISI S907-2017, Test Standard for Determining the Strength and Stiffness of Cold-Formed Steel Diaphragms by the Cantilever Test Method, (revision of ANSI/AISI S907-2013)
ANSI/AISI S908-2017, Test Standard for Determining the Flexural Strength Reduction Factor of PurlinsSupporting a Standing Seam Roof System, (revision of ANSI/AISI S908-2013)
ANSI/AISI S909-2017, Test Standard for Determining the Web Crippling Strength of Cold-Formed Steel Flexural Members, (revision of ANSI/AISI S909-2013)
ANSI/AISI S910-2017, Test Standard for Determining the Distortional Buckling Strength of Cold-Formed Steel Hat-Shaped Compression Members, (revision of ANSI/AISI S910-2013)
ANSI/AISI S911-2017, Test Standard for Determining the Flexural Strength of Cold-Formed Steel Hat-Shaped Members, (revision of ANSI/AISI S911-2014)
ANSI/AISI S912-2017, Test Standard for Determining the Strength of a Roof Panel-to-Purlin-to-Anchorage Device Connection, (revision of ANSI/AISI S912-2013)
ANSI/AISI S913-2017, Test Standard for Determining the Strength and Deformation Behavior of Hold-Downs Attached to Cold-Formed Steel Structural Framing, (revision of ANSI/AISI S913-2013)
ANSI/AISI S201-2017, North American Standard for Cold-Formed Steel Framing - Product Data, (revision of ANSI/AISI S201-2012)
ANSI/AISI S917-2017, Test Standard for Determination of Fastener-Sheathing Local Translational Stiffness , (new standard)
ANSI/AISI S918-2017, Test Standard for Determination of Fastener-Sheathing Rotational Stiffness, (new standard)
ANSI/AISI S919-2017, Test Standard for Determining the Flexural Strength and Stiffness of Cold-Formed Steel Nonstructural Members, (new standard)
ANSI/AISI S921-2019, Test Standard for Determining the Strength and Serviceability of Cold-Formed Steel Truss Assemblies and Components, (new standard)
ANSI/AISI S230-2019, North American Standard for Cold-Formed Steel Framing - Prescriptive Method for One- and Two-Family Dwellings, (revision of ANSI/AISI S230-2015)
ANSI/AISI S922-2019, Test Standard for Determining the Strength and Stiffness of Bearing-Friction Interference Connector Assemblies in Profiled Steel Panels, (new standard)
ANSI/AISI S310-2020, North American Standard for the Design of Profiled Steel Diaphragm Panels, (revision of ANSI/AISI S310-2016)

Accreditation Announcements (Standards Developers)

AISI - American Iron and Steel Institute (cont'd)

ANSI/AISI S914-2017, Test Standard for Determining the Strength and Deformation Behavior of Joist Connectors Attached to Cold-Formed Steel Structural Framing, (revision of ANSI/AISI S914-2015)

ANSI/AISI S903-2020, Test Standard for Determining the Uniform and Local Ductility of Carbon and Low-Alloy Steels, (revision of ANSI/AISI S903-2017)

ANSI/AISI S915-2020, Test Standard for Determining the Strength and Deformation Behavior of Through-the-Web Punchout Cold-Formed Steel Wall Stud Bridging Connectors, (revision of ANSI/AISI S915-2015)

ANSI/AISI S916-2020, Test Standard For Determining the Strength and Stiffness of Cold-Formed Steel-Framed Nonstructural Interior Partition Walls Sheathed With Gypsum Board, (revision of ANSI/AISI S916-2015)

ANSI/AISI S923-2020, Test Standard for Determining the Strength and Stiffness of Shear Connections in Composite Members, (new standard)

ANSI/AISI S100-16/S2-2020, Supplement 2 to North American Specification for the Design of Cold-Formed Steel Structural Members, (supplement to ANSI/AISI S100-2016)

ANSI/AISI S924-2020, Test Standard for Determining the Effective Flexural Stiffness of Composite Members, (new standard)

ANSI/AISI S202-2020, Code of Standard Practice for Cold-Formed Steel Structural Framing, (revision of ANSI/AISI S202-2015)

ANSI/AISI S220-2020, North American Standard for Cold-Formed Steel Nonstructural Framing, (revision of ANSI/AISI S220-2015)

ANSI/AISI S240-2020, North American Standard for Cold-Formed Steel Structural Framing, (revision of ANSI/AISI S240-2015)

ANSI/AISI S400-2020, North American Standard for Seismic Design of Cold-Formed Steel Structural Systems, (revision of ANSI/AISI S400-15/S1-2016, ANSI/AISI S400-2015)

ANSI/AISI S100-2016 (R2020), North American Specification for the Design of Cold-Formed Steel Structural Members, (reaffirmation of ANSI/AISI S100-2016)

ANSI/AISI S100-2016 (R2020)/S3-2022, Supplement 3 to the 2016 Edition of the North American Specification for the Design of Cold-Formed Steel Structural Members, (supplement to ANSI/AISI S100-2016 (R2020), ANSI/AISI S100-16/S2-2020)

ANSI/AISI S310-20/S1-2022, Supplement 1 to the 2020 Edition of the North American Standard for the Design of Profiled Steel Diaphragm Panels, 2022, (supplement to ANSI/AISI S310-2020)

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

ANSI/AISI S310-2023, North American Standard for the Design of Profiled Steel Diaphragm Panels, (revision of ANSI/AISI S310-2020 and ANSI/AISI S310-2020/S1-2022)

Transfer of standards proposals to SDI

BSR/AISI S920-202x, Test Standard for Screw Penetration Through Gypsum Board Into Nonstructural Cold-Formed Steel Framing Members, (new standard)

BSR/AISI S100-202x, North American Specification for the Design of Cold-Formed Steel Structural Members, (revision of ANSI/AISI S100-2016)

BSR/AISI S906-202x, Test Standard for Determining the Load-Carrying Strength of Panels and Anchor-to-Panel Attachments for Roof or Siding Systems Tested in Accordance with ASTM E1592, (revision of ANSI/AISI S906-2017)

BSR/AISI S905-202x, Test Standard for Determining the Strength and Deformation Characteristics of Cold-Formed Steel Connections, (revision of ANSI/AISI S905-2017)

BSR/AISI S904-202x, Test Standard for Determining the Tensile and Shear Strengths of Steel Screws, (revision of ANSI/AISI S904-2017)

Accreditation Announcements (Standards Developers)

AISI - American Iron and Steel Institute (cont'd)

BSR/AISI S901-202x, Test Standard for Determining the Rotational-Lateral Stiffness of Beam-to-Panel Assemblies, (revision of ANSI/AISI S901-2017)

BSR/AISI S917-202x, Test Standard for Determining the Fastener-Sheathing Local Translational Stiffness of Sheathed Cold-Formed Steel Assemblies, (revision of ANSI/AISI S917-2017)

BSR/AISI S918-202x, Test Standard for Determining the Fastener-Sheathing Rotational Stiffness of Sheathed Cold-Formed Steel Assemblies, (revision of ANSI/AISI S918-2017)

BSR/AISI S919-202x, Test Standard for Determining the Flexural Strength and Stiffness of Cold-Formed Steel Nonstructural Members, (revision of ANSI/AISI S919-2017)

BSR/AISI S907-202x, Test Standard for Determining the Strength and Stiffness of Cold-Formed Steel Diaphragms by the Cantilever Test Method, (revision of ANSI/AISI S907-2017)

BSR/AISI S908-202x, Test Standard for Determining the Flexural Strength Reduction Factor of Purlins Supporting a Standing Seam Roof System, (revision of ANSI/AISI S908-2017)

BSR/AISI S909-202x, Test Standard for Determining the Web Crippling Strength of Cold-Formed Steel Flexural Members, (revision of ANSI/AISI S909-2017)

BSR/AISI S910-202x, Test Standard for Determining the Distortional Buckling Strength of Cold-Formed Steel Hat-Shaped Compression Members, (revision of ANSI/AISI S910-2017)

BSR/AISI S911-202x, Test Standard for Determining the Flexural Strength of Cold-Formed Steel Hat-Shaped Members, (revision of ANSI/AISI S911-2017)

BSR/AISI S912-202x, Test Standard for Determining the Strength of a Roof Panel-to-Purlin-to-Anchorage Device Connection, (revision of ANSI/AISI S912-2017)

BSR/AISI S913-202x, Test Standard for Determining the Strength and Deformation Behavior of Hold-Downs Attached to Cold-Formed Steel Structural Framing, (revision of ANSI/AISI S913-2017)

BSR/AISI S914-202x, Test Standard for Determining the Strength and Deformation Behavior of Joist Connectors Attached to Cold-Formed Steel Structural Framing, (revision of ANSI/AISI S914-2017)

BSR/AISI S902-202x, Test Standard for Determining the Effective Area of Cold-Formed Steel Compression Members, (revision of ANSI/AISI S902-2017)

BSR/AISI S202-202x, Code of Standard Practice for Cold-Formed Steel Structural Framing, (revision of ANSI/AISI S202-2020)

BSR/AISI S220-202x, North American Standard for Cold-Formed Steel Nonstructural Framing, (revision of ANSI/AISI S220-2020)

BSR/AISI S240-202x, North American Standard for Cold-Formed Steel Structural Framing, (revision of ANSI/AISI S240-2020)

BSR/AISI S400-202x, North American Standard for Seismic Design of Cold-Formed Steel Structural Systems, (revision of ANSI/AISI S400-2020)

BSR/AISI S903-202x, Test Standard for Determining the Uniform and Local Ductility of Carbon and Low-Alloy Steels, (revision of ANSI/AISI S903-2020)

BSR/AISI S915-202x, Test Standard for Determining the Strength and Deformation Behavior of Through-the-Web Punchout Cold-Formed Steel Wall Stud Bridging Connectors, (revision of ANSI/AISI S915-2020)

BSR/AISI S916-202x, Test Standard for Determining the Strength and Stiffness of Cold-Formed Steel-Framed Nonstructural Interior Partition Walls Sheathed With Gypsum Board, (revision of ANSI/AISI S916-2020)

BSR/AISI S921-202x, Test Standard for Determining the Strength and Serviceability of Cold-Formed Steel Truss Assemblies and Components, (revision of ANSI/AISI S921-2019)

BSR/AISI S922-202x, Test Standard for Determining the Strength and Stiffness of Bearing-Friction Interference Connector Assemblies in Profiled Steel Panels, (revision of ANSI/AISI S922-2019)

Accreditation Announcements (Standards Developers)

AISI - American Iron and Steel Institute (cont'd)

BSR/AISI S923-202x, Test Standard for Determining the Strength and Stiffness of Shear Connection in Composite Members, (revision of ANSI/AISI S923-2020)

BSR/AISI S924-202x, Test Standard for Determining the Effective Flexural Stiffness of Composite Members, (revision of ANSI/AISI S924-2020)

BSR/AISI S230-202x, Standard for Cold-Formed Steel Framing – Prescriptive Method for One- and Two-Family Dwellings, (revision of ANSI/AISI S230-2019)

BSR/AISI S250-202x, North American Standard for Thermal Transmittance of Building Envelopes with Cold-Formed Steel Framing, (revision of ANSI/AISI S250-2021)

For additional information, please contact: Jay Larson, 25 Massachusetts Avenue, NW, Suite 800 | Washington, DC 20001 p: (610) 442-1673 e: jlarson@steel.org

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

B11 - B11 Standards, Inc.

Meeting Time: January 2024

B11 Standards Development Committee

The ANSI B11 Standards Development Committee, administered by the Secretariat (B11 Standards, Inc.), will hold its semi-annual meeting on 16-17 January 2024 at Amazon in Nashville, TN.

The B11 SDC is an ANSI-accredited standards committee on the broad topic of machinery safety, and the purpose of this meeting is to discuss ongoing issues and the business of the B11 SDC. This meeting is open to anyone with an interest in safety and the safe use of machines, however, any voting will be restricted to full members of this Committee. If you have an interest in participating in this meeting as an observer or would like more information, please contact David Felinski at (dfelinski@b11standards.org).

B11.26

The B11.26 Subcommittee (Functional Safety for Equipment / Machine Control Systems) will hold its third revision meeting on 18-19 January 2024 at Amazon in Nashville, TN.

If you have an interest in participating in this meeting as an observer or would like more information, please contact David Felinski at (dfelinski@b11standards.org).

American National Standards Under Continuous Maintenance

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

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with the procedures contained in the ANSI Essential Requirements. The Executive Standards Council (ExSC) has determined that for standards maintained under the Continuous Maintenance option, separate PINS announcements are not required. The following ANSI Accredited Standards Developers have formally registered standards under the Continuous Maintenance option.

AAMI (Association for the Advancement of Medical Instrumentation)

AARST (American Association of Radon Scientists and Technologists)

AGA (American Gas Association)

AGSC (Auto Glass Safety Council)

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

ASME (American Society of Mechanical Engineers)

ASTM (ASTM International)

GBI (Green Building Initiative)

HL7 (Health Level Seven)

Home Innovation (Home Innovation Research Labs)

IES (Illuminating Engineering Society)

ITI (InterNational Committee for Information Technology Standards)

MHI (Material Handling Industry)

NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)

NCPDP (National Council for Prescription Drug Programs)

NEMA (National Electrical Manufacturers Association)

NFRC (National Fenestration Rating Council)

NISO (National Information Standards Organization)

NSF (NSF International)

PRCA (Professional Ropes Course Association)

RESNET (Residential Energy Services Network, Inc.)

SAE (SAE International)

TCNA (Tile Council of North America)

TIA (Telecommunications Industry Association)

TMA (The Monitoring Association)

ULSE (UL Standards & Engagement)

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit ANSI Online at www.ansi.org/asd, select “American National Standards Maintained Under Continuous Maintenance.” Questions? psa@ansi.org.

ANSI-Accredited Standards Developers (ASD) Contacts

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

AAFS
American Academy of Forensic Sciences
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ISO & IEC Draft International Standards

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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

Cranes (TC 96)

ISO/DIS 16625, Cranes and hoists - Selection of wire ropes, drums and sheaves - 3/18/2024, $134.00

Dentistry (TC 106)

ISO/DIS 9917-1, Dentistry - Water-based cements - Part 1: Powder/liquid acid-base cements - 3/17/2024, $93.00

Excellence in service (TC 312)

ISO/DIS 11367, Service excellence - Principles and model for public service organizations - 3/17/2024, $102.00

Fire safety (TC 92)

ISO/DIS 22899-3, Determination of the resistance to jet fires of passive fire protection materials - Part 3: extended test requirements - 3/15/2024, $107.00

Floor coverings (TC 219)

ISO/DIS 20251, Textile floor coverings - Water impermeability test - 3/17/2024, $33.00

Hydrogen energy technologies (TC 197)

ISO/DIS 17268-1, Gaseous hydrogen land vehicle refuelling connection devices - Part 1: Flow capacities up to and including 120 g/s - 3/16/2024, $125.00

Industrial trucks (TC 110)

ISO/DIS 23308-1, Energy efficiency of industrial trucks - Test methods - Part 1: General - 3/21/2024, $77.00

ISO/DIS 23308-2, Energy efficiency of industrial trucks - Test methods - Part 2: Operator controlled self propelled trucks, towing and burden carrier trucks - 3/15/2024, $46.00

ISO/DIS 23308-3, Energy efficiency of industrial trucks - Test methods - Part 3: Container handling lift trucks - 3/15/2024, $40.00

ISO/DIS 23308-6, Energy efficiency of industrial trucks - Test methods - Part 6: Container straddle carrier - 3/15/2024, $40.00

Innovation management (TC 279)

ISO/DIS 56000, Innovation management - Fundamentals and vocabulary - 3/17/2024, $112.00

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

ISO/DIS 18796-2, Oil and gas industries including lower carbon energy - Internal coating of carbon steel process vessels - Part 2: Guideline for selection of coating systems - 3/16/2024, $102.00

Non-destructive testing (TC 135)

ISO/DIS 16827, Non-destructive testing - Ultrasonic testing - Characterization and sizing of discontinuities - 3/18/2024, $125.00

Sterilization of health care products (TC 198)

ISO/DIS 11135.2, Sterilization of health care products - Ethylene oxide - Requirements for the development, validation and routine control of a sterilization process for medical devices - 1/7/2024, $165.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO 16399:2023/DAmd 1, - Amendment 1: Agricultural irrigation equipment - Meters for irrigation water - Amendment 1: titre manque - 3/17/2024, $33.00

Welding and allied processes (TC 44)

ISO/DIS 11872, Gas welding equipment - Decomposition blockers for high-pressure acetylene - 3/18/2024, $40.00

ISO/DIS 17633, Welding consumables - Tubular cored electrodes and rods for gas shielded and non-gas shielded metal arc welding of stainless and heat-resisting steels - Classification - 3/18/2024, $98.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 15420, Information technology - Automatic identification and data capture techniques - EAN/UPC bar code symbology specification - 3/17/2024, $107.00

IEC Standards

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

18A/480/CDV, IEC 60092-378 ED1: Electrical installations in ships - Part 378: Optical fiber cables, 03/22/2024

Fibre optics (TC 86)

86B/4858/FDIS, IEC 63267-2-1 ED1: Fibre optic interconnecting devices and passive components - Connector optical interfaces for enhanced macro bend multimode fibres - Part 2-1: Connection parameters of physically contacting 50m core diameter fibres Non-angled, 02/09/2024

86B/4857/FDIS, IEC 63267-2-2 ED1: Fibre optic interconnecting devices and passive components - Connector optical interfaces for enhanced macro bend multimode fibres - Part 2-2: Connection parameters of physically contacting 50m core diameter fibres - Non-angled and angled for reference connector applications, 02/09/2024

Magnetic alloys and steels (TC 68)

68/756/CDV, IEC 60404-1-1/AMD1 ED1: Amendment 1 - Magnetic materials - Part 1-1: Classification - Surface insulations of electrical steel strip, sheet and laminations, 03/22/2024

Magnetic components and ferrite materials (TC 51)

51/1482/CD, IEC 63093-10 ED2: Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 10: PM-cores and associated parts, 03/22/2024

51/1481/CD, IEC 63093-2 ED2: Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 2: Pot-cores for use in telecommunications, power supply, and filter applications, 03/22/2024

51/1479/CD, IEC 63093-4 ED2: Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 4: RM-cores, 03/22/2024

51/1480/CD, IEC 63093-5 ED2: Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 5: EP-cores and associated parts for use in inductors and transformers, 03/22/2024

Performance of household electrical appliances (TC 59)

59M/163/CDV, IEC 63169/AMD1 ED1: Amendment 1 - Electrical household and similar cooling and freezing appliances - Food preservation, 03/22/2024

Power system control and associated communications (TC 57)

57/2628/CDV, IEC 61850-10/AMD1 ED2: Amendment 1 - Communication networks and systems for power utility automation - Part 10: Conformance testing, 03/22/2024

Printed Electronics (TC 119)

119/469/CDV, IEC 62899-401 ED2: Printed electronics - Part 401: Printability - Overview, 03/22/2024

Small power transformers and reactors and special transformers and reactors (TC 96)

96/587/FDIS, IEC 61558-2-12 ED3: Safety of transformers, reactors, power supply units and combination thereof - Part 2 -12: Particular requirements and tests for constant voltage transformers and power supply units for constant voltage, 02/09/2024

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

121A/592/FDIS, IEC 60947-5-7 ED2: Low-voltage switchgear and controlgear - Part 5-7: Control circuit devices and switching elements - Requirements for proximity devices with analogue output, 02/09/2024

121/151(F)/FDIS, IEC 63404 ED1: Switchgear and controlgear and their assemblies for low voltage - Integration method of radiocommunication device into an equipment, 01/12/2024

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 6 – Paper, board and pulps

Reply Deadline: January 31, 2024

ANSI has been informed by the ISO Technical Management Board (ISO/TMB) that Canada (SCC), the ISO delegated Secretariat of ISO/TC 6 – *Paper, board and pulps*, wishes to relinquish the role of the Secretariat.

ISO/TC 6 operates under the following scope:

Standardization in the field of paper, board pulps cellulosic nanomaterials, and lignins, including terminology, sampling procedures, test methods, product and quality specifications, and the establishment and maintenance of appropriate calibration systems. This includes all types of paper, pulps and board as well as products thereof containing any portion of recycled material or material intended for recycling. Excluded: Matters falling within the scopes of particular technical committees (e.g. ISO / TC 42, 46, 122, 130, 154) with which liaison should be maintained.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 6. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

1. The affected interests have made a financial commitment for not less than three years covering all defined costs incurred by ANSI associated with holding the Secretariat;
2. the affected technical sector, organizations or companies desiring that the U.S. hold the Secretariat request that ANSI perform this function;
3. the relevant U.S. TAG has been consulted with regard to ANSI's potential role as Secretariat; and
4. ANSI is able to fulfill the requirements of a Secretariat.

Information concerning the United States acquiring the role of international Secretariat may be obtained by contacting ANSI's ISO Team (isot@ansi.org).

Registration of Organization Names in the United States

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

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

U.S. manufacturers, exporters, trade associations, U.S domiciled standards development organizations and conformity assessment bodies, consumers, or U.S. government agencies 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 to the WTO Secretariat in Geneva, Switzerland proposed technical regulations that may significantly affect trade. In turn, the Secretariat circulates the notifications along with the full texts. 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 Enquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Enquiry Point relies on the WTO's ePing SPS&TBT platform to distribute the notified proposed foreign technical regulations (notifications) and their full texts available to U.S. stakeholders. Interested U.S. parties can register with ePing to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them. The USA WTO TBT Enquiry 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 prior to submitting comments. For non-notified foreign technical barriers to trade for non-agricultural products, stakeholders are encouraged to reach out as early as possible to the Office of Trade Agreements Negotiations and Compliance (TANC) in the International Trade Administration (ITA) at the Department of Commerce (DOC), which specializes in working with U.S. stakeholders to remove unfair foreign government-imposed trade barriers. The U.S. Department of Agriculture's Foreign Agricultural Service actively represents the interests of U.S. agriculture in the WTO committees on Agriculture, Sanitary and Phytosanitary (SPS) measures and Technical Barriers to Trade (TBT). FAS alerts exporters to expected changes in foreign regulations concerning food and beverage and nutrition labeling requirements, food packaging requirements, and various other agriculture and food related trade matters. Working with other Federal agencies and the private sector, FAS coordinates the development and finalization of comments on measures proposed by foreign governments to influence their development and minimize the impact on U.S. agriculture exports. FAS also contributes to the negotiation and enforcement of free trade agreements and provides information about tracking regulatory changes by WTO Members. The Office of the United States Trade Representative (USTR) WTO & Multilateral Affairs (WAMA) office has responsibility for trade discussions and negotiations, as well as policy coordination, on issues related technical barriers to trade and standards-related activities.

Online Resources:
WTO's ePing SPS&TBT platform: https://epingalert.org/
Register for ePing: https://epingalert.org/en/Account/Registration
WTO committee on Agriculture, Sanitary and Phytosanitary (SPS) measures:
https://www.wto.org/english/tratop_e/sps_e/sps_e.htm
WTO Committee on Technical Barriers to Trade (TBT): https://www.wto.org/english/tratop_e/tbt_e/tbt_e.htm
USA TBT Enquiry Point: https://www.nist.gov/standardsgov/usa-wto-tbt-enquiry-point
Comment guidance:
https://www.nist.gov/standardsgov/guidance-us-stakeholders-commenting-notifications-made-wto-members-tbt-committee
NIST: https://www.nist.gov/
TANC: https://www.trade.gov/office-trade-agreements-negotiation-and-compliance-tanc
Examples of TBTs: https://tcc.export.gov/report_a_barrier/trade_barrier_examples/index.asp.
Report Trade Barriers: https://tcc.export.gov/Report_a_Barrier/index.asp.
USDA FAS: https://www.fas.usda.gov/about-fas
FAS contribution to free trade agreements: https://www.fas.usda.gov/topics/trade-policy/trade-agreements
Tracking regulatory changes: https://www.fas.usda.gov/tracking-regulatory-changes-wto-members
USTR WAMA: https://ustr.gov/trade-agreements/wto-multilateral-affairs/wto-issues/technical-barriers-trade
Contact the USA TBT Enquiry Point at (301) 975-2918; E usatbtep@nist.gov or notifyus@nist.gov.

BSR/ASHRAE Addendum a
to ANSI/ASHRAE Standard 154-2022

Public Review Draft

Proposed Addendum a to Standard 154-2022, Ventilation for Commercial Cooking Operations

First Public Review (January 2024)
(Draft shows Proposed Changes to Current Standard)

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

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

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

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

FOREWORD

Addendum a is to reference listing test standard(s) for fans as a requirement for approval and avoid including specific manufacturing design/methods/details of components. The addendum also adds a Canadian UL standard to the references.

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

Addendum a to 154-2022

5.4.2 Exhaust fans serving Type I hoods shall be listed in accordance with UL 705 and its standard supplement SC-*POWER ROOF VENTILATORS FOR RESTAURANT EXHAUST APPLIANCES,* or for Canada, in accordance with *CAN/ULC-S645.* ~~for the application and capable of handling hot, grease laden air and flare up conditions.~~ Fans shall be designed to contain and properly drain grease removed from the airstream. The fan housing or scroll that contains the grease shall be fully welded so that it is liquid tight. ~~The fan impeller shall be designed to be easily cleanable and minimize build up of grease and creosote.~~

9. References

21. UL. 2021; CAN/ULC-S645-93-R2021, *Power Roof Ventilators for Commercial & Institutional Kitchen Exhaust Systems*, Northbrook, IL: Underwriters Laboratories LLC.

BSR/ASHRAE/IES Addendum g
to ANSI/ASHRAE/IES Standard 90.2-2018

Public Review Draft

Proposed Addendum g to Standard 90.2-2018, High-Performance Energy Design of Residential Buildings

Third Public Review (January 2024)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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

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FOREWORD

90.2's Title, Purpose, and Scope (TPS) was revised to position 90.2 as a leadership standard that can address whole building requirements (including indoor environmental quality). The 62.2/90.2 Advanced Ventilation & IAQ Work Group (WG) was organized to identify and align advanced IAQ opportunities that could integrate with 90.2's, whole-building, leadership standard approach (since 62.2 is a minimum standard). The WG met monthly between September 2020 and January 2021 and employed the U.S. Environmental Protection Agency's Indoor airPLUS v2 program as a framework. The following proposed addendum reflects the thirteen recommended additions and/or edits proposed to Standard 90.2 by the WG.

The second public review of Addendum g generated a comment regarding an erratum that should be corrected in Table 7.2, as shown on page 4.

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

Addendum g to 90.2-2018

Modify Section 7 as follows:

7.3 Indoor Environmental Quality

7.3.1 Buildings shall be thermally conditioned in accordance with ANSI/ASHRAE Standard 55.

7.3.2 *Dwelling units* shall meet all requirements of ANSI/ASHRAE Standard 62.2 except as modified by Section 7.3 of this Standard. Common spaces of multifamily residential buildings shall be mechanically ventilated in accordance with ANSI/ASHRAE Standard 62.1.

7.3.3 Buildings shall be illuminated in accordance with Section 7.5.

7.3.4 Filtration and Air Cleaning

7.3.4.1 Prior to being supplied to an occupiable space through ducts, air shall pass through a filter having a designated minimum efficiency of MERV 13 or better when tested in accordance with ANSI/ASHRAE Standard 52.2 or equivalent.

a. All filter access panels shall be equipped with gaskets or comparable sealing mechanisms and shall fit snugly against the exposed edge of the installed filter when closed to prevent bypass

7.3.4.2 All electronic air cleaners (i.e., electrostatic, ionizers, and ultraviolet lamps) shall meet UL Standard 2998.

7.3.5 Garages
Detached single-family dwellings, duplexes and townhouses with attached garages shall meet one of the following two requirements:

7.3.5.1 Verify that the garage-to-house enclosure boundary can maintain a leakage rate less than or equal to 0.15 cfm_{50}/ft^2 of enclosure boundary area. There shall be two pressure differential tests to make this determination: 1) with both house and garage at a pressure difference of 50 Pa with respect to the outdoors, measure the house cfm_{50} leakage rate and 2) with the house at a pressure difference of 50 Pa with respect to the outdoors and with all garage apertures open to the outdoors measure the house cfm_{50} leakage rate. To comply with this provision, the difference between the test #2 cfm_{50} measurement and the test #1 cfm_{50} measurement divided by the garage-to-house enclosure boundary area shall meet the 0.15 cfm_{50}/ft^2 criteria.

7.3.5.2 A local mechanical exhaust system that is vented directly outdoors shall be installed in the garage to deliver a minimum flow rate of 170 m^3/h (100 cfm). The system shall meet the requirements of Section 5.3 and 5.3.2 of Standard 62.2- 2022.

7.3.6 Material Emissions. Dwellings shall be constructed with materials meeting the requirements of Sections 6.1 Composite Wood; 6.2 Interior Paints, Finishes, and Coatings; 6.3 Carpets and Cushions; 6.4 Adhesives and Sealants; 6.5 Hard Surface Flooring; 6.6 Gypsum Board; and 6.7 Insulation of Indoor airPLUS New Construction (IAP-NC) Specifications Version 2.

> ***Informative Note***: Guidance from the U.S. Environmental Protection Agency on identifying products that are compliant with these specifications, including the identification of product certification and labeling programs that are acceptable, may be found at https://www.epa.gov/sites/default/files/2017-01/documents/how_to_find_compliant_low_emission_products_508.pdf

7.3.7 Radon. Dwellings shall meet the requirements of Section 2.2 Radon-Resistant Construction of Indoor airPLUS New Construction (IAP-NC) Specifications Version 2.

7.3.8 Kitchen Exhaust Hood Capture
Kitchen range hoods and microwave-range hoods shall meet or exceed either the minimum airflow or the minimum capture efficiency in accordance with Table 7-2. Capture efficiency ratings shall be determined in accordance with ASTM E3087.

Table 7.2 Kitchen Range Hood Airflow Rates (cfm) and ASTM E3087 Capture Efficiency (CE) Ratings according to Kitchen Range Fuel Type

Hood Over Electric Range	Hood Over Combustion Range
~~60~~65% CE or 160 cfm	80% CE or 250 cfm

Add to Section 9 as follows:

…

9.2.3 Indoor Environmental Quality.

All mechanical ventilation system equipment manufacturers' installation and maintenance instructions shall be either attached to the subject equipment or provided to the homeowner. All calculations, tests, and adjustments required by Section 7.3 shall be recorded and provided to the authority having jurisdiction and the homeowner. The contact information of any person performing such calculations, checks, test, or adjustments shall be provided to the occupant.

BSR/ASHRAE/IES Addendum o
to ANSI/ASHRAE/IES Standard 90.1-2022

Public Review Draft

Proposed Addendum o to Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings

First Public Review (October 2023)
(Draft Shows Proposed Changes to Current Standard)

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

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FOREWORD

The 90.1 requirement mandating demand control ventilation (DCV) in densely occupied spaces does not specify how DCV is accomplished. SSPC 62.1 recently published addendum ab which provides very specific means to implement DCV using CO_2 concentration, including establishing CO_2 maximum concentrations above ambient for each occupancy type. This addendum 1) requires that DCV controls and sensors meet the minimum requirements of Standard 62.1 (in applications where compliance with Standard 62.1 is not already mandated) and 2) requires that sensors and controllers be capable of and configured to maintain the maximum CO_2 concentration prescribed by Standard 62.1 in addendum ab. Using these maximum concentration values in DCV logic will maximize energy savings.

Note that ASHRAE Guideline 36 is also issuing an addendum that references 62.1 addendum ab, so the informative note below Section 6.4.3.8.2 still applies.

This addendum includes a new definition: “design minimum outdoor air rate.” This definition was initially developed for another addendum that is being developed concurrently with this addendum. The definitions are the same in both.

This addendum clarifies the requirements for Demand Control Ventilation when using CO_2-based controls based on an update to ASHRAE 62.1. It does not affect the cost of construction.

Addendum o to 90.1-2022

Modify Section 3 as follows:

Outdoor air rate, design minimum: the lowest quantity of *outdoor air* an *HVAC system* is designed to supply to the *space*(s) it serves when these *space*(s) are occupied at design occupancy levels.

Modify Section 6.4.3.8 as follows:

6.4.3.8 ~~Ventilation Controls~~ Demand Control Ventilation for High-Occupancy Areas

6.4.3.8.1 *Demand control ventilation* (*DCV*) is required for *spaces* larger than the floor area shown in Table 6.4.3.8 based on an occupant outdoor airflow component in cfm per 1000 ft^2 and served by *systems* with one or more of the following:

a. *Air economizer*
b. *Automatic* modulating control of *outdoor air* damper
c. Design outdoor airflow greater than 3000 cfm

Exceptions to 6.4.3.8.1:

1. Multiple-zone *systems* without *DDC* of individual zones communicating with a central control panel.
2. *Spaces* where >75% of the *space* design outdoor airflow is required for *makeup air* that is exhausted from the *space* or *transfer air* that is required for *makeup air* that is exhausted from other *spaces*.
3. *Spaces* where Maximum CO_2 Above Ambient is indicated as "NA" in Table 6-1 of ~~with one of the following occupancy categories as defined in~~ ASHRAE Standard 62.1~~: correctional cells, daycare sickrooms, science labs, barbers, beauty and nail salons, and bowling alley seating~~.
4. *Spaces* where the requirements of ASHRAE Standard 170, applicable codes, or applicable accreditation standards do not allow the reduction of outdoor airflow.

6.4.3.8.2 *DCV* systems shall meet the requirements of ASHRAE Standard 62.1.

6.4.3.8.3 Where CO_2 concentration is used for *DCV*, sensors and controls shall be capable of and configured to limit CO_2 concentration to C_{max} as determined in accordance with ASHRAE Standard 62.1.

6.4.3.8.4 *DCV* controls shall not cause the *outdoor air* rate *set point* to exceed the *design minimum outdoor air rate.*

Informative Note: ASHRAE Guideline 36 includes detailed sequences of control for CO_2-based *demand control ventilation* and how it can be implemented while complying with ASHRAE Standard 62.1.

13. NORMATIVE REFERENCES

ANSI/ASHRAE Standard 62.1-~~2019~~2022 with addendum ab Ventilation ~~for~~and Acceptable Indoor Air Quality

4.1.1 Oscilloscope

A digital oscilloscope is recommended, but analog oscilloscopes are also permitted. The oscilloscope shall meet the following requirements to ensure accurate current waveform capture:

a. Minimum sensitivity of 100 milliamperes per major division when used in conjunction with the current probe specified in Section 4.1.2.

b. Minimum bandwidth of 350 MHz.

c. Recommended minimum channels: 2

d. ~~Minimum v~~Vertical accuracy: ≤ ~~±~~ 2.5%

e. ~~Minimum t~~Time base accuracy: ≤ 0.01%

f. For analog scopes, the minimum writing rate of one major division per nanosecond.

4.1.2 Current Probe

a. Minimum bandwidth of 200 MHz

b. Minimum peak pulse capability of 8 amperes

c. Rise time of less than 1 nanosecond

d. Capable of accepting a solid conductor as specified in Section 4.1.3.

e. Provides an output voltage per signal current as required in Section 4.1.1. ~~(This is usually between 1 and 5 millivolts per milliampere).~~

f. Low-frequency 3-dB-point below 10 kHz (for example, Tektronix CT2) for measurement of the decay constant t_d (see Section 5.2.3.1~~,~~ and Table 1~~, and note below~~). Results using a current probe with a low-frequency 3-dB-point of 25 kHz (for example, Tektronix CT1) to measure decay constant t_d are acceptable if t_d is found to be between 130 and 1~~65~~70 ~~nanoseconds~~ns.

NOTE: Decay time of 170 ns is still a valid value but it is strongly suggested to check the equipment.

~~NOTE: Results using a current probe with a low-frequency 3-dB-point of 25 kHz (for example, Tektronix CT1) to measure decay constant t_d are acceptable if t_d is found to be between 130 and 165 nanoseconds.~~

NOTE: Depending on pre-charge voltage it may be necessary to add an attenuator to keep the signal within the oscilloscope maximum range.

4.1.3 Evaluation Loads

Two evaluation loads are necessary to verify tester functionality:

a. Load 1: A solid 18-24 AWG (non-US standard wire size 0.25 to 0.75 mm^2 cross-section) tinned copper wire (shorting load) as short as practical to span the distance between the two farthest pins in the socket contacted by the probes of a non-socketed tester. The wire should be long enough to pass through the current probe.

b. Load 2: ~~non-inductive~~ 500 ohms, ± 1%, minimum 4000-volt rating.

NOTE: Care should be used in the selection of the 500-ohm resistor to avoid resistors with high inductance, such as wire wound resistors, or resistors with high parallel capacitance.

4.1.4 Attenuator

~~An 20.0-dB a~~Attenuator(s) with a precision of ± 0.5 dB, at least 1-GHz bandwidth, and an impedance of 50 ohms ± 5 ohms.

NOTE: A 20~~.0~~ dB attenuator is usually suitable to cover all ranges.

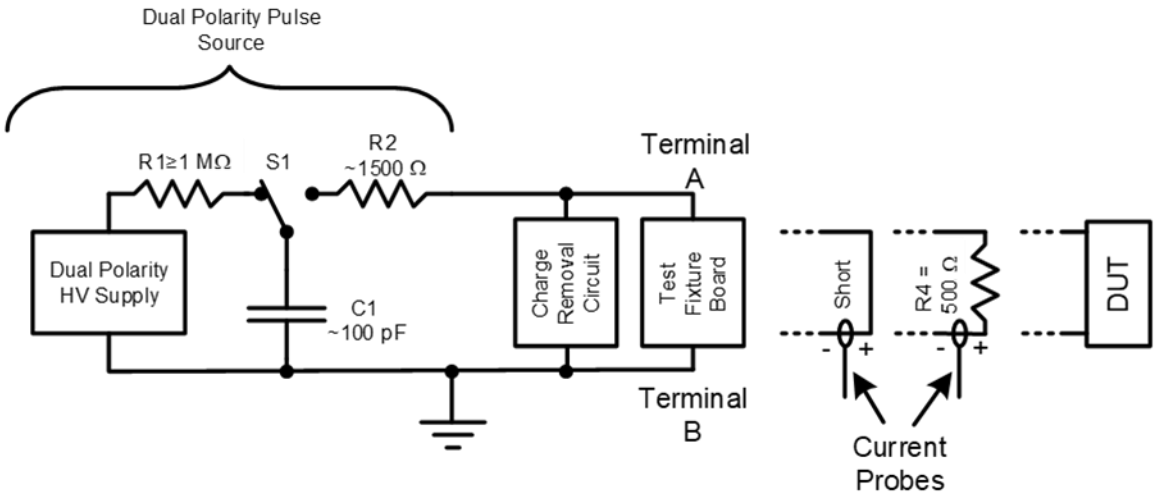

Figure 1: Simplified HBM Simulator Circuit with Loads

NOTES:

1. The current probes are specified in Section 4.1.2.
2. The shorting load (Short) and 500-ohm resistor (R4) are evaluation loads specified in Section 4.1.3.
3. Reversal of Terminals A and B to achieve dual-polarity performance is not permitted except under conditions described in, Sections 6.5.1.3 and 6.7.
4. The charge removal circuit ensures a slow ~~discharge~~ removal of any charges that might remain on the ~~of the~~ device, thus avoiding the possibility of a charged device model discharge. A simple example is a 10-kilohm or larger resistor (possibly in series with a switch) in parallel with the test fixture board. This resistor may also be useful to control parasitic pre-pulse voltages (see Annex C.2 and Annex C.3).

   If a switch is used to activate the charge removal circuit, it should be activated after the end of the HBM pulse, unless it is also being used to control pre-pulse voltages. In this case, it will be connected prior to the HBM pulse and remain ~~on~~connected until the stress cycle is completed~~the discharge circuit is deactivated~~. Additional ~~discharge~~charge removal -circuits may also be used to remove any unwanted charge through other not previously grounded pins on the device under test.

5.2.3.1 Short-Circuit Waveform

Typical short-circuit waveforms are shown in Figures 2A, 2B, and 4. The parameters Ips (peak current), t_r (pulse rise time), t_d (pulse decay time), and I_R (ringing) are determined from these waveforms. Ringing may prevent the simple determination of Ips. A graphical technique for determining Ips and I_R is described in Section 5.2.3.3 and Figure 4. The negative reciprocal of the exponent of e, from an exponential fit to the decaying region after any oscillations may also be used to determine t_d~~.~~ as described in Section 5.2.3.4.

5.2.3.4 Determination of t_d

See Figure ~~3~~2B. Decay time can either be ~~either~~ calculated as the negative reciprocal of the exponent of e from an exponential fit of points from t_{max} + 100 ns to t_{max} + 200 ns or measuring the time from t_{max} to the time the current decreases to 36.8% of Ips.

The value of t_d taken as an exponential approximation of the decay region does not depend on Ips nor its position in time, resulting in a more accurate and equipment elucidating value.

6.2 Device Stressing

There are two major methods for device stressing. The traditional approach is based on knowledge of device pin function and is referred to as pin combination stressing. This method and its variations are described in Section 6.3.

The second method is “pin-pair” stressing. This method is covered in Section 6.6. Pin-pair testing is required for discrete devices (FETs, transistors, etc.) and integrated circuits with 10 pins or less (including no-connects). Pin-pair stressing is allowed for devices of any pin count. No-connects shall still be excluded from testing as described in Section 6.2.1.

A sample of three devices for each voltage level shall be characterized for the device ESD withstand threshold using the voltage levels shown in Table 1. Finer voltage steps may optionally be used to obtain a more accurate measure of the withstand threshold and improve the detection of devices exhibiting failure windows (see Annex E). It is recommended that ESD testing starts at the lowest level in Table 1 for failure window detection, but testing may begin at any level. However, if the initial voltage level is higher than the lowest level in Table 1, and the device fails at the initial voltage, testing shall be restarted with three new devices at the next lowest level. For example, if the initial voltage is 1000 volts and the device fails, restart the test at 500 volts. The ESD test shall be performed at room temperature.

NOTE: It is recommended to verify continuity between device pins and the socket after inserting devices to be tested. Leakage measurements or curve tracing may be used.

For each voltage level, a sample of three devices shall be stressed using at least one positive and at least one negative pulse. A minimum of 100 milliseconds between pulses per pin for all pin combinations specified in Table 2 or between pin pairs if using the pin-pair test method should be used. Separate samples may be used for different polarities or different pin combination sets.

NOTE: References to Table 2 in this section refer to the use of either Table 2A or Table 2B.

NOTE: In some ESD simulators, a charge removal circuit is not present, or it is not sufficient to reduce charge. For these ~~simulators~~cases, increasing the time between pulses to prevent a charge build-up is one method to reduce the risk for subsequent pin overstress. ~~Alternatively, p~~Performing curve trace leakage tests after each pulse ~~will~~ may also remove this excess charge stored in the test fixture board or socket.

Three new devices may be used at each voltage level or pin combination if desired. This will help reduce any step-stress hardening effects and reduce the possibility of early failure due to cumulative stress. In isolated cases, it is possible for failure windows to exist below the determined withstand threshold. See Informative Annex E for methods that can be used for failure window detection. It is permitted to partition further each pin combination set in Table 2 and use a separate sample of three devices for each subset within the pin combination set.

It is permitted to partition testing of devices among different testers as long as all testers are qualified (per Section 5.3) and all required stressing is performed (pin combinations of Table 2 or all pin pairs) on at least one set of three devices. In some cases, ~~I~~it is desirable to report a withstand threshold for a subset of pins or pin combinations ~~in some cases~~. A method for doing this is

C.1 Optional Trailing Pulse Detection Equipment/Apparatus

The maximum trailing current pulse level is defined as the maximum peak current level observed through a 10-kilohm test load (current = voltage across test load divided by 10 kilohms) after the normal HBM pulse(s). The time period to be evaluated for after-pulse leakage is from 0.2 to 1 msmillisecond after the peak of the HBM current pulse.After pulse leakage, the period to be evaluated is from 0.1 to 1 millisecond after the decay of the HBM current pulse. If a spurious current pulse is observed, begin the 0.1-millisecond measurement point from the start of the spurious current pulse.

The magnitude of the trailing current pulse shall be less than four microamperes when the applied HBM stress voltage is at 4000 volts. This includes both positive and negative polarities (see Figures 8 and 9 for sample waveforms).

A circuit for measuring the trailing current pulse for positive stress is shown in Figure 7 (for negative stress measurements the polarity of the Zener diode must be reversed). The voltage probe shall have an input impedance no less than 10 megohms, an input capacitance no larger than 10 picofarads, a bandwidth better than 1 megahertz, and a voltage rating to withstand at least 100 volts. The evaluation load resistance is 10 kilohm in value with a tolerance of ± 1% and can withstand up to 4000 volts. The Zener diode has a breakdown voltage range from 6 to 15 volts and a power rating from ¼ to 1 watt.

C.2 Optional Pre-Pulse Voltage Rise Detection Test Equipment

HBM events may exhibit a phenomenon that generates a voltage rise at the stressed pin prior to the main HBM current pulse if the pin impedance is high. In some ESD simulators, this phenomenon is unrealistically severe and may lead to inconsistent ESD threshold results. The characteristics of this pre-current pulse voltage event depend on the conditions and the environment of the arcing associated with the HBM discharge, the parasitic capacitances of the tester, and the pin impedance of the device under test. The following test equipment and apparatus are required to determine the magnitude of the resulting voltage rise. (Measurement setup for positive stress is shown insee Figure 10 (for negative stress measurements the polarity of the Zener diode must be reversed).for measurement setup).

G.6 2024 Limited Ballot Version

1. Introduced an alternative decay time calculation method.
2. Created better waveform verification equipment specifications.
3. Created better descriptions of pre-pulse voltage rise detection test and trailing pulse detection apparatus.
4. Changed the order of Annex D figures for better alignment with logical flow.
5. Other minor editorial changes were made.

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

NSF/ANSI Standard
for Plastics —

Plastics Piping System Components and Related Materials

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7 Requirements for potable water plastic piping system components and related materials

7.1 General

Materials, compounds, products, and formulations shall comply with the applicable requirements of NSF/ANSI/CAN 61 as referenced in Section 2 of this standard.

7.2 Requirements for lead

There shall be no lead added as an intentional ingredient in any product, material, ingredient or system component submitted for evaluation to this standard, with the exception of brass or bronze meeting the definition of “lead free” under the specific provisions of the Safe Drinking Water Act of the United States.[1]

7.3 Phthalates and phthalate plasticizers

There shall be no phthalates or phthalate plasticizers as ingredients to rigid PVC or CPVC pipe, tubing, fittings, and appurtenances formulations.

~~7.2~~ 7.4 Requirements for PVC generic ingredients

Generic ingredients for use in PVC potable water pipe and fitting compounds shall meet the requirements of this Section.

~~7.2.1~~ 7.4.1 Calcium carbonates

Calcium carbonates shall comply with the requirements contained in Section 7.~~2~~4.1.1, 7.~~2~~4.1.2, or ~~2~~7.~~2~~4.1.3.

~~7.2.1.1~~ **7.4.1.1** Calcium carbonates and titanium dioxides that comply with the following exposure conditions and toxicology review are acceptable:

[1] Safe Drinking Water Act, Section 1417(a)(1). <www.epa.gov/sdwa>

— analytes of interest shall be identified in accordance with NSF/ANSI/CAN 600, Section 3: *Toxicology review and evaluation procedures*;

— exposure water conditions (pH and temperature) shall be selected in accordance with the procedures in NSF/ANSI/CAN 61, Annex N-1: *Product / material evaluation*;

— a minimum of 1 g of the ingredient shall be placed in 1 L of the appropriate exposure water. After 24 h, the solution shall be decanted and the extractant water discarded. The ingredient sample shall be exposed for an additional 24 h in a second 1-L sample of the appropriate exposure water. After 24 h of exposure, this solution shall be decanted and the extractant water discarded. The ingredient sample shall then be placed in a third 1-L sample of the appropriate exposure water. After 72 h of exposure, the extractant water shall be decanted, filtered through a 4.5×10^{-7} m (0.45-µm) membrane filter, and then chemically analyzed for those analytes of interest. Table 9.1 summarizes this exposure schedule;

— the resulting extractant water shall be analyzed in accordance with the procedures described in NSF/ANSI/CAN 61, Annex N-1; and

— the health effects evaluation of analyte concentrations in the extractant water shall be conducted in accordance with NSF/ANSI/CAN 600, Section 3.

~~7.2.1.2~~ **7.4.1.2** Calcium carbonates and titanium dioxides that comply with the applicable requirements of NSF/ANSI/CAN 61 are acceptable. PVC pipe, fittings, injection molded plaques, and compression molded plaques that are formulated to contain the ingredient at the maximum use level shall be subjected to the extraction testing methods described in NSF/ANSI/CAN 61, Section 4.5: *Extraction procedures*. Analytes of interest measured in the extractant water shall conform to the health effects evaluation requirements in NSF/ANSI/CAN 600, Section 3.

~~7.2.1.3~~ **7.4.1.3** Calcium carbonates that comply with the applicable requirements of NSF/ANSI/CAN 60 are acceptable.

~~7.2.2~~ 7.4.2 Calcium stearates

Calcium stearates shall be tested in accordance with NSF/ANSI/CAN 61. PVC pipe, fittings, injection molded plaques, and compression molded plaques that are formulated to contain the ingredient at the maximum use level shall be subjected to the extraction testing methods described in NSF/ANSI/CAN 61, Section 4.5. Analytes of interest measured in the extractant water shall conform to the health effects evaluation requirements in NSF/ANSI/CAN 600, Section 3.

~~7.2.3~~ 7.4.3 Hydrocarbon waxes

Hydrocarbon waxes shall comply with 21 C.F.R. § 178.37**Error! Bookmark not defined.** and shall be tested in accordance with NSF/ANSI/CAN 61. PVC pipe, fittings, injection molded plaques, and compression molded plaques that are formulated to contain the ingredient at the maximum use level shall be subjected to the extraction testing methods described in NSF/ANSI/CAN 61, Section 4.5. Analytes of interest measured in the extractant water shall conform to the health effects evaluation requirements in NSF/ANSI/CAN 600, Section 3.

~~7.2.4~~ 7.4.4 Oxidized polyethylene waxes

Oxidized polyethylene waxes shall comply with 21 C.F.R. § 172.260**Error! Bookmark not defined.** or shall be tested

in accordance with NSF/ANSI/CAN 61 and comply with 21 C.F.R. § 177.1620.[Error! Bookmark not defined.] PVC pipe, fittings, injection molded plaques, and compression molded plaques that are formulated to contain the ingredient at the maximum use level shall be subjected to the extraction testing methods described in NSF/ANSI/CAN 61, Section 4.5. Analytes of interest measured in the extractant water shall conform to the health effects evaluation requirements in NSF/ANSI/CAN 61, Annex I-1.

~~7.2.5~~ 7.4.5 Titanium dioxides

Titanium dioxides shall comply with 21 C.F.R. § 73.575[Error! Bookmark not defined.] or the requirements contained in Section 7.~~2~~4.1.1 or 7.~~2~~4.1.2.

~~7.2.6~~ 7.5 Requirements for Other PVC ingredients

Ingredients, other than generic ingredients (titanium dioxides, calcium stearates, calcium carbonates, paraffinic hydrocarbon waxes, and polyethylene waxes), intended for use in PVC pipe or fittings shall be tested in accordance with NSF/ANSI/CAN 61. PVC pipe, fittings, injection molded plaques, and compression molded plaques formulated to contain the ingredient at the maximum use level shall be subjected to the extraction testing methods described in NSF/ANSI/CAN 61, Section 4.5. Analytes of interest measured in the extractant water shall conform to the health effects evaluation requirements of NSF/ANSI/CAN 600, Section 3.

~~7.3 Requirements for lead~~

~~There shall be no lead added as an intentional ingredient in any product, material, ingredient or system component submitted for evaluation to this standard, with the exception of brass or bronze meeting the definition of "lead free" under the specific provisions of the Safe Drinking Water Act of the United States.~~[2]

~~7.4 Phthalates and phthalate plasticizers~~

~~There shall be no phthalates or phthalate plasticizers as ingredients to rigid PVC or CPVC pipe, tubing, fittings, and appurtenances formulations.~~

Rationale: Moved to top of section for clarity. No change in language, just location.

7.6 Monitoring

In addition to the physical and performance monitoring requirements specified in Section 5.6, plastic piping system components and related materials intended for potable water shall be tested annually to ensure compliance with NSF/ANSI/CAN 61, except as permitted in Section 9.8 for solvent cements and primers. PVC and CPVC pipe, tubing, fittings, and appurtenances intended for potable water shall also be tested a minimum of three times annually for RVCM. Appurtenances produced using a material or compound that is also being used to produce fittings subject to these requirements shall not require separate testing for RVCM. RVCM in PVC and CPVC potable water piping products shall not exceed 3.2 mg/kg.

[2] Safe Drinking Water Act, Section 1417(a)(1). <www.epa.gov/sdwa>

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

NSF/ANSI Standard
for Plastics —

Plastics Piping System Components and Related Materials

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9 Quality assurance

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Table 9.39
PE Pressure pipe and fittings for underground fire protection service

Test	Pipe	Molded Fittings	Fabricated Fittings
dimensions	1 hour [a]	1 hour	1 hour
elevated temperature sustained pressure	semi-annually	-	-
bend back [b]	24 hours [c]	-	-
elongation at break [b]	24 hours [c]	-	-
ring-tensile strength [d]	each production run	-	-
quick burst [e]	each production run	-	-
carbon black content	24 hours [c]	24 hours	-
five-second pressure	each production run [f]	each production run	every 50 fittings
melt-flow index	24 hours	24 hours	-
density [g]	24 hours	24 hours	-
product standard	ASTM FM 1613	ASTM FM1613	ASTM FM1613

[a] 1 hour or once per length of pipe whichever is less frequent.

[b] Elongation at break or bend back may be substituted for one another.

[c] 24 hours or at least once per production run whichever is more frequent.

[d] Quick burst or five-second pressure may be substituted for ring-tensile strength.

[e] Ring-tensile or five-second pressure may be substituted for quick burst.

[f] Ring-tensile strength or quick burst may be substituted for five-second pressure.

[g] 24 hours or once per lot of pre-compounded PE material, whichever is more frequent.

Table 9.40
PVC and PVCO pressure pipe and fittings for underground fire protection service

Test	Pipe	Molded Fittings	Fabricated Fittings
dimensions [a]	2 hours	8 hours	8 hours
heat reversion [a]	-	annually	-
accelerated regression [a]	-	semi-annually	-
hydrostatic proof test	each pipe	-	-
flattening [a, b]	8 hours	-	-
extrusion quality [a]	8 hours	-	-
quick burst [a, b]	24 hours	-	-
sustained pressure [b, c]	semi-annually	-	-
product standard	ASTM FM 1612	ASTM FM 1612	ASTM FM 1612

[a] beginning of production of each size and class

[b] required on distribution sizes only (less than 14 inches only)

[c] required on one representative pressure class.

BSR/UL 6288, Standard for Safety for Decorative Lighting Cords

1. **Proposed First Edition of the Standard for Safety for Decorative Lighting Cords, Changes to *2.1, 2.2, 4.8.3, 4.16.1, 4.17.3, 4.18.1, 4.20.1, 4.21.1, 4.22.1, 4.22.2, 4.23.1, 4.23.2, 6.2.1, 6.3.3 and Table 14 and 20***

PROPOSALS

Note from the TC 6288 Project Manager: Only changes to 2.1, 2.2, 4.8.3, 4.16.1, 4.17.3, 4.18.1, 4.20.1, 4.21.1, 4.22.1, 4.22.2, 4.21. 3.1, 4.23.2, 6.2.1, 6.3.3 and Table 14 and 20 are shown for recirculation.

2.1 ~~For undated references to standards, such reference shall be considered to refer to the latest edition and all revisions to that edition up to the time when this standard was approved. Wherever the designation "UL 2556" is used, reference is to be made to the designated part(s) of the Standard for Wire and Cable Test Methods, UL 2556. Wherever the designation "UL 588" is used, reference is to be made to the designated part(s) of the Standard for Seasonal and Holiday Decorative Products.~~ Any undated reference to a code or standard appearing in the requirements of this Standard shall be interpreted as referring to the latest edition of that code or standard.

2.2 The following publications are referenced in this Standard:

~~ULS&E (Underwriters Laboratories Standards & Engagement)~~
UL 588, *Seasonal and Holiday Decorative Products*
UL 2556, *Wire and Cable Test Methods*

~~ASTM (American Society for Testing and Materials)~~
ASTM B3, *Standard Specification for Softdf or Annealed Copper Wire*
ASTM B33, *Standard Specification for Tinned Soft or Annealed Copper Wire for Electrical Purposes*

~~NFPA (National Fire Protection Association)~~
NFPA 70, *National Electrical Code*

4.8.3 Fibrous (nonmetallic) thread(s) shall be permitted to be used within the conductor stranding in single conductor cords employing the suffix "-S" or "-X". When thread(s) are used, the conductor shall meet the requirements of DC resistance in accordance with the test, DC resistance in UL 2556, and shall comply with the requirements in 4.20 or 4.21, as applicable. Cords employing the suffix "-S" or "-X" shall be marked in accordance with ~~6.1.4 (d)~~ or (e) 6.1.4.1 (c) or (d), respectively. The construction and arrangement of the threads is not specified.

4.16.1 Conductors shall be distinguished as follows:

a) Grounded (neutral) conductors shall be distinguished by one of the following methods, and these colors shall be restricted to such use:

1) White or grey colored braid;

2) White or grey colored insulation; ~~for jacketed cords furnished with appliances, one conductor may be light blue with the other conductors readily distinguishable from white or grey~~;

3) White or grey colored separator in integral constructions only;

4) Tinned conductor on integral constructions only; or

5) One or more grooves, ridges, or white stripes on the exterior of integral constructions only.

b) Grounding conductors shall be distinguished by the color green or a combination of the colors green and yellow. On a grounding conductor colored green, one or more yellow stripes that

cover no less than 5 percent and not more than 70 percent of the calculated circumference of the finished conductor insulation shall be permitted.

4.17.3 The overall jacket shall be marked to show that a metal support member is present (~~see 6.1.4 (b)~~ 6.1.4.1 (a)).

4.18.1 An overall nonmetallic, fibrous braid may be applied over Type DJT or DJTW. When a braid is applied the product shall be printed or have a marker tape under the braid in accordance with ~~6.1.4 (c)~~ 6.1.4.1 (b).

4.20.1 Decorative cord Type CXTW marked with the suffix "-S" as indicated in ~~6.1.4 (d)~~ 6.1.4.1 (c) shall comply with the requirements specified for Type CXTW and to those specified in 4.8.3. The suffix "-S" is limited for use on single conductor CXTW cord in 0.325 mm2 (22 AWG) or larger size.

4.21.1 Decorative cord types CXTW, LXT, and LXTW marked with the suffix "-X" as indicated in ~~6.1.4 (e)~~ 6.1.4.1 (d) shall comply with the requirements specified for type CXTW, LXT, and LXTW, respectively, and to those specified in 4.8.3. The suffix "-X" is limited for use on only CXTW, LXT, and LXTW cord in sizes 0.162, 0.205, and 0.259 mm2 (25, 24, and 23 AWG).

4.22.1 Decorative cord type CXTW marked with the suffix "-IS" as indicated in ~~6.1.4 (f)~~ 6.1.4.1 (e) shall comply with the requirements specified for type CXTW and to those specified in 4.22.2. The suffix "-IS" is limited for use on single conductor CXTW cord in 0.325 mm2 (22 AWG) size.

4.22.2 Fibrous (nonmetallic) thread(s) may be embedded within the insulation of a single conductor CXTW cord. When the threads are embedded in the insulation, the finished wire shall be designated CXTW-IS and shall be marked in accordance with ~~6.1.4 (f)~~ 6.1.4.1 (e). The overall insulation thickness including the threads shall comply with the requirements for CXTW. The minimum thickness at any point of insulation over the fibrous threads shall not be less than 0.381 mm (15 mils).

4.23.1 Decorative cord type CXTW marked with the suffix "-ES" as indicated in ~~6.1.4 (g)~~ 6.1.4.1 (f) shall comply with the requirements specified for type CXTW and to those specified in 4.23.2. The suffix "-ES" is limited for use on only CXTW cord in 0.325 mm2 (22 AWG) size.

4.23.2 Fibrous (nonmetallic) thread(s) may be run along the outside of the CXTW insulation and shall be covered with the same material as the CXTW insulation. The thickness of material over the thread(s) is not specified. When the strength member is applied in this manner, the finished wire shall be designated CXTW-ES and shall be marked in accordance with ~~6.1.4 (g)~~ 6.1.4.1 (f).

6.1.4.1 The following markings, where applicable, shall be surface-marked on the finished product:

a) The low temperature rating for all "W" type cords - 50 °C, - 60 °C, or - 70 °C in accordance with 5.2.6;

b) The words "metal support member" for cords that are provided with a metal core in accordance with 4.17.3;

c) The suffix "-B" shall be placed directly after the cord designation for those cords described in 4.18.

d) The suffix "-S" shall be placed directly after the cord designation for single conductor cords that contain a conductor with a fibrous (nonmetallic) thread(s) in accordance with 4.8.3 and comply with the requirements in 4.20.

e) The suffix "-X" shall be placed directly after the cord designation for single conductor cords that contain a conductor with a fibrous (nonmetallic) thread(s) in accordance with 4.8.3 and comply with the requirements in 4.21.

f) The suffix "-IS" shall be placed directly after the cord designation for single conductor, 0.325 mm2 (22 AWG) CXTW that contain a fibrous (nonmetallic) thread(s) embedded in the insulation in accordance with 4.22.

g) The suffix "-ES" shall be placed directly after the cord designation for single conductor, 0.325 mm2 (22 AWG) CXTW that contains a fibrous (nonmetallic) thread(s) run along the outside of the CXTW insulation. The thickness of material over the thread(s) is not specified but is dependent upon compliance with the tests outlined in 4.23.

h) The date of manufacture by month and year (a code is acceptable) shall be either surfacemarked on the finished product or provided as part of the packaging markings as indicated in 6.3.1.

6.2.1 The following additional information may be printed on the finished product if desired by the manufacturer:

a) The wording "water resistant" or "water resistant 60 °C" for "W" type cords;

b) A part, specification, or catalog designation or other required information, provided that it is in no way confusing or misleading;

c) The marking " – 40 °C" or the low temperature rating “-50°C”, “-60°C”, or “-70°C” for all "W" type cords in accordance with 5.2.6 ~~for "W" type cords~~.

6.3.3 ~~For cords with "-B" suffix,~~ The tag, reel, or carton shall indicate "Not for sale to the general public:"

Table 14
Insulated single and twisted pair decorative cords
(See 4.1 and 4.10)

	Type						
	CXTW	**CXTW**	**YXTW**	**LXTW**	**LXT**	**LVXT**	**ATXW**
Maximum temperature, °C	105	105	105	60	60	60	60 ~~50~~
Maximum voltage, V	300	300	300	300	300	30	30
Size of conductors, mm² (AWG)	-	0.162, 0.205, and 0.259 (25, 24, 23) (Note 1)	-	0.162, 0.205, and 0.259 (25, 24, 23) (Note 1)	0.162, 0.205, and 0.259 (25, 24, 23) (Note 1)	-	-
	0.325, 0.519 and 0.824 (22, 20, and 18)	0.325, 0.519 and 0.824 (22, 20, and 18)	0.519 (20) and 0.824 (18)	0.325, 0.519 and 0.824 (22, 20, and 18)	0.325, 0.519 and 0.824 (22, 20, and 18)	0.0507 - 0.205 (30 - 24)	0.0507 - 0.205 (30 - 24)
Number of conductors	2	1	1	1	1	1 or 2 (Note 3)	1 - 4 (Note 3)
Conductor:							
Material	Soft annealed copper (4.3)						
Size	Cross-sectional area and DC resistance (4.4.1)						
Stranding	Size of wires (4.8.1), lay of wires (4.8.4)						
General	Joints, coatings, separators (4.5, 4.6, and 4.7)						
Conductor identification	4.16	4.16	N/A	N/A	N/A	N/A	N/A
Maximum lay of conductors	4.13.1	4.13.1	N/A	N/A	N/A	N/A	N/A
Insulation class	7	7	7	7	7	4	N/A
Minimum average thickness, mm (mils)	0.76 (30)	0.76 (30)	1.14 (45)	0.76 (30)	0.76 (30)	0.4 (15.8) (Note 5)	0.4 (15.8) (Note 5)

Assembly	Twisted	Single	Single	Single	Single	Single (Note 3)	Single (Note 3)
Tests, Clause:							
Physical properties, insulation	5.2.1	5.2.1	5.2.1	5.2.1	5.2.1	5.2.1	5.2.1 (Note 6)
Deformation	5.2.3	5.2.3	5.2.3	5.2.3	5.2.3	5.2.3	N/A
Spark	5.3.1	5.3.1	5.3.1	5.3.1	5.3.1	5.3.1	N/A
Dielectric strength	5.3.2	5.3.2	5.3.2	5.3.2	5.3.2	5.3.2	N/A
Insulation resistance	5.3.3	5.3.3	5.3.3	5.3.3	5.3.3	5.3.3	N/A
Continuity	5.3.5	5.3.5	5.3.5	5.3.5	5.3.5	5.3.5	N/A
Flame VW-1	5.2.5	5.2.5	5.2.5	5.2.5	5.2.5	5.2.5	5.2.5 (optional)
Cold bend	5.2.6	5.2.6	5.2.6	5.2.6	5.2.6	5.2.6	N/A
Durability of print	5.2.10	5.2.10	5.2.10	5.2.10	5.2.10	5.2.10	5.2.10
Laser printing	5.2.17	5.2.17	5.2.17	5.2.17	5.2.17	5.2.17	5.2.17
Heat-shock resistance	5.2.8	5.2.8	5.2.8	5.2.8	5.2.8	5.2.8	N/A
Copper corrosion	5.3.6	5.3.6	5.3.6	5.3.6	5.3.6	5.3.6	N/A
Tightness of insulation	5.2.9	5.2.9	5.2.9	5.2.9	5.2.9	N/A	N/A
Additional tests for "W" type cords, Clause:							
Weather resistance	5.2.7	5.2.7	5.2.7	5.2.7	N/A	N/A	5.2.7
Insulation resistance	5.3.3.1	5.3.3.1	5.3.3.1	5.3.3.1	N/A	N/A	N/A
Permittivity and stability factor	5.3.4	5.3.4	5.3.4	5.3.4	N/A	N/A	N/A
Additional tests for cords marked "-S":							
Breaking strength	N/A	5.2.14	N/A	N/A	N/A	N/A	N/A
Additional tests for cords marked "-X":							
Breaking strength	N/A	5.2.14	N/A	5.2.14	5.2.14	N/A	N/A
Additional tests for cords marked "-ES" or "-IS" (Note 2)							
Breaking Strength	N/A	5.2.14	N/A	N/A	N/A	N/A	N/A
Abrasion	N/A	5.2.12	N/A	N/A	N/A	N/A	N/A
Flexing	N/A	5.2.13	N/A	N/A	N/A	N/A	N/A
Examination after conditioning	N/A	5.3.6.2	N/A	N/A	N/A	N/A	N/A
Application	Outdoor	Outdoor	Outdoor	Outdoor	Indoor	Class 2 or battery (Note 4)	Class 2 or battery (Note 4)

NOTES:

1 - 0.162 – 0.259 (25 - 23 AWG) for types with "-X" suffix only

2 - Limited to 0.325 mm^2 (22 AWG) only

3 - Two to four conductors may be bonded in parallel

4 - As defined in UL 588, the Standard for Seasonal and Holiday Decorative Products

5 - The value indicated is a minimum thickness at any point. The minimum average thickness is not specified.

6 - Unaged only. The tensile strength and elongation values in Table 8 for insulation class 4, before aging, apply.

Table 20
Spark test voltage
(See 5.3.1)

Type of cord	Conductor size, mm² (AWG)	Average insulation thickness, mm (mils)	AC spark test potential, kV (a)
DJT, DJTW	0.519 (20)	0.76 (30)	6
DPTW, DPT	0.519 (20)	1.14 (45)	6
CXTW[b]	0.162 – 0.824 (25 – 18)	0.76 (30)	5
YXTW	0.519 – 0.824 (20 – 18)	1.14 (45)	6
XTW	0.325 – 0.824 (22 – 18)	0.76 (30)	6
LXT[c], LXTW[c]	0.162 – 0.824 (25 – 18)	0.76 (30)	5
LVXT	0.0507 – 0.205 (30 – 24)	~~0.38 (15)~~ 0.4 (15.8)	1.5
NOTES:			
[a] DC values shall be three times the ac values indicated in the table.			
[b] Also applicable to cords with "-S", "-ES", "-IS", or "-X" suffix.			
[c] Also applicable to cords with "-X" suffix.			

BSR/UL 758, Standard for Safety for Appliance Wiring Material

1. Large, Bunch Stranded Conductors, Revised Table 5.9

PROPOSAL

Table 5.9
Maximum lay of single-bunch, bunch stranded conductors

AWG size	Copper, copper alloy, copper-clad steel		Aluminum, copper-clad aluminum	
	Inches	(mm)	Inches	(mm)
28 or ~~higher~~ smaller	0.5	13	–	–
26	0.6	15	–	–
24	0.7	18	–	–
22	0.8	20	–	–
20	1.25	32	–	–
18	2.0	51	–	–
16	2.0	51	–	–
14	2.0	51	–	–
12	2.0	51	2.0	51
10	2.5	64	2.5	64
8	3.0	76	2.75	70
6	3.5	89	3.375	86
4 and larger	4.0	102	16 times the conductor diameter	

2. Dielectric Test on Shielded Constructions, Revised 49.1

PROPOSAL

49.1 The dielectric test shall be performed by the manufacturer on 100 percent of production where a metallic shield is ~~placed over~~ in contact with the insulated conductors. Where no metallic shield is present, non-shielded cables may be tested with the Production-Line Dielectric Test, Section 49, on 100 percent of production as an alternate method to Cut-Piece Dielectric Voltage Withstand Test, Section 48A.

Exception: The requirement to apply a dielectric test on the finished product is not required if (a) – (e) all apply:

a) The product is a laminated, flat cable;
b) The laminated flat cable was subjected to a dielectric test prior to application of the shield;
c) A metallic shield layer is part of the integral construction;
d) The shield material is a metal foil or film; and
e) Shields are applied before or after the cable is cut to the required length.

BSR/UL 1286, Standard for Safety for Office Furnishing Systems

1. Addition of Requirements for Tamper-Resistant Receptacles to Harmonize with NEC Article 406.12

PROPOSAL

13.4.1.10 All non-locking type convenience receptacles (ANSI/NEMA 5-15R or 5-20R) used in areas identified in Article 406.12 of the National Electrical Code, NFPA 70, shall be Tamper-Resistant type.

Exception No. 1: This requirement does not apply when receptacles are located more than 5-1/2 feet (1.7m) above the floor.

Exception No. 2: This requirement does not apply when receptacles are part of a luminaire or appliance.

2. Correction to Language in 31.1

PROPOSAL

31.1 A furnishing assembly connected to an office panel shall be tested in accordance with ANSI/BIFMA X 5.6~~-2010~~, as listed in Table 31.1.

UL 1739, Standard for Safety for Pilot-Operated Pressure-Control Valves for Fire-Protection Service

1. Update to Standard UL 1739 – Operation Test

PROPOSAL

19.5 The sample is to be adjusted to a referenced setting yielding the lowest outlet pressure indicated in the installation instructions. The inlet pressure then is to be increased to the minimum inlet pressure recommended by the manufacturer, and the outlet pressure and flow is to be recorded. The inlet pressure then is to be increased in 50 psig (345 kPa) increments or less up to the maximum rated inlet pressure, and the outlet pressure and flow is to be recorded at each increment. Also, at each increment, the shutoff valve at the end of the test line that controls the water flow through the sample is to be adjusted to obtain a no (zero) flow condition and other intermediate flow rates up to the maximum rated flow. This procedure then is to be repeated at settings representative of the inlet and outlet ranges recommended by the manufacturer. The recorded outlet pressures at each increment and all flowing conditions shall be within ±10 percent of the referenced outlet setting pressure. Except for the no (zero) flow condition, the time for the valve to return within ±10 percent of the outlet pressure referenced in the manufacturer's instructions shall not exceed 5 seconds. After one minute at the no (zero) flow condition, the valve outlet pressure shall not exceed 15 psig or 10%, whichever is greater, above the referenced outlet setting pressure. See test procedures 1 and 2 in Table 19.1 for a description of test conditions.

19.8 After conducting the tests described in 19.5, a valve with a rated inlet pressure greater than 175 psi (1210 kPa) is to be adjusted to a referenced setting yielding the highest outlet pressure. The valve is then to be subjected to the rated inlet pressure while the valve is flowing approximately one-half the maximum flow recommended by the manufacturer. The shutoff valve at the end of the test line is to be closed from the partially open position so as to achieve a no (zero) flow condition within 15 seconds after starting to close the shutoff valve. The recorded outlet pressure shall not exceed 175 psig (1210 kPa) or 10%~~10 psig (70 kPa)~~ over the outlet pressure setting, whichever is greater ~~for valves with settings above 165 psig (1140 kPa)~~. See test procedure 4 in Table 19.1 for a description of test conditions.

19.9 After being subjected to the test described in 19.8, a valve having a nominal diameter of less than 6 NPS and having a rated inlet pressure greater than 250 psig (1723 kPa) is to be adjusted to yield the highest outlet pressure recommended by the manufacturer. The valve is then to be subjected to the rated inlet pressure while the valve is flowing 250 gallons per minute (946 L/m). The shut-off valve on the end of a 50-foot (15.2-m) length of 2-1/2-inch (64-mm) rubber-lined hose is to be closed from the open position so as to achieve a no (zero) flow condition within 2 seconds from starting to close the valve. The recorded outlet pressure shall not exceed 250 psig (1723 kPa) or 50 psig (345 kPa) above the highest outlet pressure recommended by the manufacturer, whichever is greater.

BSR/UL 6142, Standard for Safety for Small Wind Turbine Systems

2. Update American Wind Energy Association (AWEA) references to American Clean Power Association (ACP)

PROPOSAL

1.2 The WT power, control and protection systems are evaluated only to the extent that they function within the manufacturer's specified limits and response times. These control and protection functions are evaluated with respect to risk of electric shock and fire. It is intended that the electrical subassemblies that address power transfer control and protection functions evaluated per this document are to be coordinated with the mechanical and structural limitations specified in ~~AWEA 9.1-2009,~~ **the Standard for the Small Wind Turbine,** ~~ANSI/~~ACP 101-1-2021, or the applicable Standards for Wind Energy Generation Systems, the IEC 61400 standard series ~~documents standards for wind turbines~~.