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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

New Standard

BSR/ASB BPR 190-202x, Best Practice Recommendation for the Use of Digital Image Capture and File Storage Technology in Forensic Document Examination (new standard)
Stakeholders: All Forensic Document Examiners in both the private and public sectors

Project Need: Forensic Document Examiners are often required to capture digital images of evidentiary items during the course of routine casework either for the purpose of a record or in order to conduct direct analyses. Digital imaging technology, which includes photography and scanning, has matured a great deal since its introduction into a document examination workflow in the past two decades. Simultaneously, advances in digital file formats and storage technology have created ever increasingly digital document examination workflows.

Interest Categories: N/A

This document provides best practice recommendations for Forensic Document Examiners when using digital image capture and file storage technology in the course of casework and case archiving. This best practice recommendation does not include the forensic analysis of digital imagery itself, nor any other computers files or hardware which contains them.

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 191-202x, Standard for the Examination of Dry Seals and Dry Seal Impressions (new standard)
Stakeholders: Forensic Document Examiners

Project Need: Forensic document examiners are called upon to determine the source of dry seal impressions such as notary seals and corporate seals, or to determine whether or not a particular seal produced a particular impression. This standard will provide the procedures necessary in order to make these determinations.

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

This standard provides procedures and requirements for determining the source of a dry seal image or the common source (or otherwise) of multiple dry seal impressions.

AIAA (American Institute of Aeronautics and Astronautics)

Nick Tongson <NickT@aiaa.org> | 12700 Sunrise Valley Drive, Suite 200 | Reston, VA 20191-5807 www.aiaa.org

New Standard

BSR/AIAA S-158-202x, Rendezvous and Proximity Operations (RPO) and On Orbit Servicing (OOS) – Prepared Free-Flyer Capture and Release (new standard)
Stakeholders: Companies (e.g., SpaceLogistics, AstroScale, CU Aerospace, MDA, etc.), Consortia (e.g., CONFERS), Government (e.g., Aerospace Corporation, NASA), General Interest (e.g., Space Infrastructure Foundation), Military (e.g., USSF)

Project Need: As spacecraft rendezvous and servicing (including docking/berthing) and assembly grow, the need for free-flyer capture and release becomes significant. Spacecraft operators and autonomous systems will conduct free-flyer capture and release.

Interest Categories: Industry and Commerce, Government, Academia, General Interest,

This document provides current industry best practices for functional and operational requirements and norms associated with the design, testing, and operations of prepared Free-Flyer Capture between Servicing Vehicle and a Client Space Object. The intent is to provide guidance to developers and operators of both the Servicing Vehicle and the Client Space Object. The standards and recommendations collected here are informed by years of engineering development experience garnered through NASA, Canadian Space Agency and DARPA work on in-space servicing technology development programs augmented by relevant commercial industry experience.

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK86273-202x, New Guide for Interpretation and Reporting in Forensic Comparisons of Trace Materials (new standard)
Stakeholders: Criminalistics Industry

Project Need: This is a new standard being proposed to consolidate interpretation and reporting criteria for trace materials examinations. Currently there are no similar standards that address general reporting of trace materials results.

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

This guide covers recommendations for the overall interpretation and reporting of findings from an analytical scheme for trace material comparisons conducted by personnel in a forensic laboratory.

CSA (CSA America Standards Inc.)

Tony Wong <tony.wong@csagroup.org> | 8501 East Pleasant Valley Road | Cleveland, OH 44131-5575 www.csagroup.org

New Standard

BSR/CSA C700-202x, Load-based, Climate-specific Testing & Rating Procedure for Heat Pumps and Air Conditioners (new standard)
Stakeholders: Utilities, Regulators, and Manufacturers

Project Need: The relevance of Heating Seasonal Performance Factor (HSPF) and Seasonal Energy Efficiency Ratio (SEER) ratings as realistic performance metrics to represent savings has been increasingly called into question, and concerns included substantial variations in equipment performance when installed in climates that differ substantially from those used for the ratings. Further, in-field monitoring consistently suggested that current ratings do not predict installed performance well. Field data gathered indicates that existing metrics are not reliable, particularly for modern, variable-speed heat pumps and air conditioners that are expected to be more efficient but don't always live up to their ratings. Moreover, these systems' built-in firmware-the internally programmed set of operating instructions-can have a significant impact on their real-world performance, yet the firmware operation is explicitly excluded from current rating procedures. That firmware affects how the system responds in the field to calls for heat, defrost, part load, preheat & other events that are not present in current full load test procedures. Energy savings estimates are impacted by the accuracy of the rating used. A rating metric that is more representative of in-field performance can significantly improve energy savings achieved by incentive programs or other promotions of high-efficiency heat pumps & air conditioners.

Interest Categories: Producer Interests, User Interests, Regulatory Authorities, General Interests

C700 will be a load-based and climate-specific testing and rating procedure for heat pumps and air conditioners. C700 will be a standard that better represents installed performance of variable capacity heat pumps (VCHPs) used primarily in residential space heating applications. The standard's testing regime specifies that the heat pump operate under over a range of loads and outdoor temperatures under the control of its built-in firmware. The testing results collected are used to produce ratings for its heating and cooling efficiency in eight North American climates. C700 can provide seasonal coefficient of performances for heating (SCOPh) and cooling (SCOPc) in any climate zone by using weather data specific to that region.

ESTA (Entertainment Services and Technology Association)

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

Revision

BSR/E1.1-202x, Wire Rope Ladders (revision of ANSI/E1.1-2018)
Stakeholders: Entertainment industry stagehands, electricians, riggers, their employers, and manufacturers of wire rope ladders.

Project Need: The standard is being opened for revision to update and incorporate referenced standards.

Interest Categories: Custom market producers, Mass market producers, Designers, Dealers/Rental companies, Users, General interest

This standard describes the construction and use of wire rope ladders in the entertainment industry in order to promote worker safety. The entertainment industry includes, but is not strictly limited to, musical productions, live concerts, live theater, film production, video production, corporate events, and trade shows. Wire rope ladders are used where ladders with rigid rails are impractical to use or would pose a greater danger.

ESTA (Entertainment Services and Technology Association)

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

New Standard

BSR/ES1.42-202x, Parade Safety (new standard)
Stakeholders: Event producers, performers, technicians, general public,

Project Need: No standards currently exist to address the public safety and operational considerations for parades.

Interest Categories: Event producer, Equipment producer, Dealer or rental company, Designers, Event workers, Performing artist, Insurance company, General interest

This standard addresses the unique public safety considerations associated with parades. It will expand on ANSI E1.57 -2016 (R2021), and will apply some of the principles addressed in ANSI ES1.9-2020, as applicable specifically to parades.

ESTA (Entertainment Services and Technology Association)

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

Revision

BSR/E1.60-202x, Guidelines for the use of raked stages in live performance environments (revision of ANSI E1.60 -2018)
Stakeholders: Performers, technicians, directors, live event producers and management, choreographers, designers and builders of raked staging

Project Need: ANSI E1.60-2018 is being opened for revision, regular maintenance, and to update its requirements

Interest Categories: Custom market producers, Mass market producers, Designers, Dealers/Rental companies, Users, General interest

This standard intends to provide guidance for the use of raked stages in live performance environments. The standard intends to define a rake, and to offer guidance for production elements to mitigate the risks for the protection of actors and technicians.

ESTA (Entertainment Services and Technology Association)

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

New Standard

BSR/E1.80-202x, 19-pin connector pinout assignments (new standard)
Stakeholders: Manufacturers, Performers, Users, Entertainment technicians

Project Need: 19-pin Socapex-style connectors are used in many different types of entertainment technology systems, but the connector pinout assignments are not consistent across the various system configurations. This has resulted in reports of equipment damage, and the potential for shock or electrocution.

Interest Categories: Custom market producers, Mass market producers, Designers, Dealers/Rental companies, Users, General interest

This standard addresses the pinout assignments for 19-pin Socapex-style connectors used for various types of power distribution systems in the entertainment industry. It will establish standardized pinout assignments and type designations in order to reduce connection incompatibilities, thereby reducing the risk of shock and electrocution hazards, and the potential for equipment damage.

NEMTAC (Non-Emergency Medical Transportation Accreditation Commission)

Peter Hicks <phicks@nemtac.co> | 2307 S Rural Road | Tempe, AZ 85282 www.nemtac.co

New Standard

BSR/NEMTAC 1004-202X, Certified Transport Specialist (new standard)
Stakeholders: non-emergency medical transportation providers, stretcher transport services, wheelchair van transportation services, passengers/consumers, discharge planners, social workers, doctors, home healthcare providers, insurance plans, non-emergency medical transportation brokers, regulators, taxi services, transportation network companies

Project Need: With the training requirements varying from state to state, we believe it is important to develop a standard which transportation providers, payers, and regulators may use to determine the qualification of the individuals responsible for operating NEMT vehicles.

Interest Categories: non-emergency medical transportation providers, stretcher transport services, wheelchair van transportation services, passengers/consumers, discharge planners, social workers, doctors, home healthcare providers, insurance plans, non-emergency medical transportation brokers, regulators, taxi services, transportation network companies

This project aims to create a set of educational requirements for drivers who offer non-emergency medical transport. These requirements will need to be met in order for drivers to receive certification as a certified transportation specialist. The goal is to design a framework that includes necessary educational content to ensure that drivers are appropriately qualified to transport passengers for their medical needs. The education may involve a combination of existing training programs or completely new content, as long as it meets the standards set forth by this framework.

TIA (Telecommunications Industry Association)

Teesha Jenkins <standards-process@tiaonline.org> | 1320 North Courthouse Road, Suite 200 | Arlington, VA 22201-2598 www.tiaonline.org

Addenda

BSR/TIA 102.AABC-E-1-202x, Trunking Control Channel Messages Addendum 1 (addenda to ANSI/TIA 102.AABC-E -2019)
Stakeholders: Manufacturers and users of the P25 documents

Project Need: Update standard

Interest Categories: Users, Producer, General Interest

The main scope of this addendum proposes a more flexible use of the abbreviated format of the Status Update Request over the air message.

TIA (Telecommunications Industry Association)

Teesha Jenkins <standards-process@tiaonline.org> | 1320 North Courthouse Road, Suite 200 | Arlington, VA 22201-2598 www.tiaonline.org

Addenda

BSR/TIA 102.AABC-E-2-202x, Trunking Control Channel Messages Addendum 2 Remotely Activated Emergency (addenda to ANSI/TIA 102.AABC-E-2019)
Stakeholders: Users of P25 equipment

Project Need: Update standard

Interest Categories: User, Producer and General Interest

To specify Bit3 of the emergency alarm request message as the Remotely Activated Emergency flag.

Call for Comment on Standards Proposals

American National Standards

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

Comment Deadline: June 18, 2023

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

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

Addenda

BSR/ASHRAE/ICC/IES/USGBC Addendum ao to BSR/ASHRAE/ICC/IES/USGBC Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020)
This addendum draft modifies Section 10.4.2, IAQ Construction Management and System Startup. Section 10.4.2(d) strikes the requirement to cover permanent HVAC vents during activities that produce dust since these activities could prove harmful and unproductive to workers in an unconditioned environment. Section 10.4.2(e), is modified to allow operation of permanent HVAC systems during construction provided that they are protected from dirt, dust, and debris, and that all filters and controls are in place and operational. Section 10.4.2(f) is modified editorially, with no change in the requirement.
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: June 18, 2023

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

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

Addenda

BSR/ASHRAE/ICC/IES/USGBC Addendum bd to BSR/ASHRAE/ICC/IES/USGBC Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020)
This addendum deletes the exception to Section 7.5.4 of the standard. The exception is no longer needed because of published addendum A to Standard 209. Section 11 reference with Addendum A is added. Standard 209 - Addendum A is added below the line for informational purposes only.
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

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME TES-1-202x, Safety Standard for Thermal Energy Storage Systems: Molten Salt (revision of ANSI/ASME TES-1-2020)
This Standard establishes requirements for the design, construction, installation, inspection, testing, commissioning, maintenance, operation, and decommissioning of molten salt thermal energy storage (TES) systems. Molten salt thermal energy systems include the storage medium and associated storage vessels, controls for the system, and associated system components such as circulation pumps, valves, piping, and heat exchangers that are in contact with molten salt.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Nicole Gomez <gomezn@asme.org>

NEMTAC (Non-Emergency Medical Transportation Accreditation Commission)

2307 S Rural Road, Tempe, AZ 85282 | phicks@nemtac.co, www.nemtac.co

New Standard

BSR/NEMTAC 1001-202x, NEMT Levels of Service (new standard)
The consensus body created by NEMTAC includes: non-emergency medical transportation providers, stretcher transport services, wheelchair van transportation services, passengers/consumers, insurance plans, non-emergency medical transportation brokers, and taxi services. NEMTAC has identified the various levels of services required by passengers. In providing these levels of services the assistance provided is commensurate with the needs of the passenger or as defined under contract. This standard will designate the different levels of service available to be provided to passengers receiving non-emergency medical transportation (NEMT) services by a transportation provider company or organization. This standard will allow transportation providers to clearly identify in plain language the services they provide and allow the healthcare provider to request the appropriate level of service for the individual being transported.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://nemtac.growthzoneapp.com/ap/Form/Fill/p59BRsxp

Comment Deadline: June 18, 2023

NSF (NSF International)

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

Revision

BSR/NSF 385-202x (i15r2), Disinfection Mechanics (revision of ANSI/NSF 385-2021)
This Standard is intended for use with devices intended to disinfect wastewater after secondary treatment and prior to discharge from residential wastewater treatment systems having rated treatment capacities between 757 LPD (200 GPD) and 5,678 LPD (1,500 GPD).
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Jason Snider <jsnider@nsf.org>

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | Amy.K.Walker@ul.org, https://ulse.org/

Revision

BSR/UL 923-202x, Standard for Safety for Microwave Cooking Appliances (revision of ANSI/UL 923-2020)
This proposal for UL 923 covers: 1. Bottom Hinged Exception from Two Action Door Open Requirement
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: "https://csds.ul.com/Home/ProposalsDefault.aspx."

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1479-202X, Standard for Fire Tests of Penetration Firestops (revision of ANSI/UL 1479-2021)
1. Defining Initial Measured Thickness
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area “https://csds.ul.com/Home/ProposalsDefault.aspx.”

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | raji.ghandour@ul.org, https://ulse.org/

Revision

BSR/UL 2075-202x, Standard for Safety for Gas and Vapor Detectors and Sensors (revision of ANSI/UL 2075 -2023)
This proposal covers: Clarification of product marking viewing after installation.
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)

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

Revision

BSR/UL 2703-202x, Standard for Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with FlatPlate Photovoltaic Modules (revision of ANSI/UL 2703-2021)
1. Requirements for instructions for installer-supplied components.
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: July 3, 2023

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Arlington, VA 22203 | mmiskell@aami.org, www.aami.org

Revision

BSR/AAMI/CDV-2 EQ56-202x, Standard for a medical equipment management program (revision of ANSI/AAMI EQ56-1999 (R2008))
Specifies minimum requirements for a management program designed to minimize certain risks associated with equipment that is used during the care of patients in a health care delivery organization. The standard addresses the structure of the program, documentation requirements, staffing, and resources allocated to those responsible for managing medical equipment.
Single copy price: Single copy price: $0.00
Obtain an electronic copy from: mmiskell@aami.org
Send comments (copy psa@ansi.org) to: Michael Miskell <mmiskell@aami.org>

AGA (ASC B109) (American Gas Association)

400 N. Capitol St., NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

New Standard

BSR B109.6-202x, Single Path Ultrasonic Gas Meters (Under 1400 Cubic Feet Per Hour Capacity) (new standard)
This standard applies to single-path ultrasonic gas meters, designed for revenue measurement of fuel gas, having a flow rating of less than 1400 cubic feet per hour (39.64 m3/h) capacity at 0.5-inch water column (125 Pa) differential pressure at base conditions. Part I comprises a list of definitions and terms used throughout the standard. Part II covers the construction requirements for qualifying new-type meters in the designated flow-rate ranges. Part III covers the performance requirements for qualifying new-type meters in the designated flow-rate ranges. Part IV covers the “in-service” performance requirements for meters in the designated flow-rate ranges. Part V addresses installation requirements for these meters. Part VI pertains to auxiliary devices used with gas meters covered by this standard. Part VII covers test methods and equipment.
Single copy price: Free
Obtain an electronic copy from: www.aga.org/b109
Send comments (copy psa@ansi.org) to: Luis Escobar, lescobar@aga.org

AIAA (American Institute of Aeronautics and Astronautics)

12700 Sunrise Valley Drive, Suite 200, Reston, VA 20191-5807 | NickT@aiaa.org, www.aiaa.org

New Standard

BSR/AIAA S-157-202x, In-Space Storable Fluid Transfer (new standard)
This document defines best practices and requirements for the design, verification and operation of “prepared” in-space storable fluid transfer systems and interfaces. The term “prepared” describes a spacecraft, spacecraft interfaces and other accommodations intentionally designed to enable safe and efficient servicing. Modification of an existing spacecraft storable fluid transfer interface is outside the scope of this document. However, any spacecraft modified to meet the criteria stated herein may be considered “prepared”. This document includes requirements and recommendations for both servicer and client spacecraft. At present the recommendations’ scope is limited to storable (non-cryogenic) propellants and associated pressurants.
Single copy price: Free
Obtain an electronic copy from: nickt@aiaa.org
Send comments (copy psa@ansi.org) to: Nick Tongson (nickt@aiaa.org)

Comment Deadline: July 3, 2023

ASA (ASC S3) (Acoustical Society of America)

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

Reaffirmation

BSR S3.71 (R202x), Methods for Measuring the Effect of Head-worn Devices on Directional Sound Localization in the Horizontal Plane (reaffirmation of ANSI/ASA S3.71-2019)
The methods described in this standard provide data which may be used for assessment of sound localization performance open ear and with head-worn devices using human subjects. The standard describes three measurement methods: (1) a low-complexity method using 8 loudspeakers to measure location discrimination performance; (2) a more complex, more robust method to measure localization error using 36 loudspeakers; and (3) a method to measure the functional impact of degraded localization cues on visual search time with 36 loudspeakers. The standard specifies subject qualification criteria, test space acoustic requirements, details of the three methods, and reporting requirements. The standard does not provide guidance for measuring localization performance for elevation or for clinical spatial audiometry.
Single copy price: $165.00
Obtain an electronic copy from: standards@acousticalsociety.org
Send comments (copy psa@ansi.org) to: Nancy Blair-DeLeon <standards@acousticalsociety.org>

ASA (ASC S3) (Acoustical Society of America)

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

Reaffirmation

BSR S3.21-202x, Methods for Manual Pure-Tone Threshold Audiometry (reaffirmation of ANSI/ASA S3.21-2004 (R2019))
This Standard provides a procedure for pure-tone audiometry that will serve the needs of persons conducting threshold measurements in industry, schools, medical settings, and other areas where valid audiometric threshold measurements are needed.
Single copy price: $121.00
Obtain an electronic copy from: standards@acousticalsociety.org
Send comments (copy psa@ansi.org) to: Nancy Blair-DeLeon <standards@acousticalsociety.org>

ASA (ASC S3) (Acoustical Society of America)

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

Reaffirmation

BSR/ASA S3.47-2014 (R202x), Specification of Performance Measurement of Hearing Assistance Devices/Systems (reaffirmation of ANSI/ASA S3.47-2014 (R2019))
This standard provides methods for evaluation of hearing assistance devices/systems (HADS) that are packaged for individual use and deliver the signal via air conduction to the user. Among the test methods described are a family of response curves, output sound pressure curve for 90-dB sound pressure level input, frequency range, total harmonic distortion, noise level with no input, static and dynamic AGC characteristics, and gain control linearity. The measurements are similar to those described in ANSI/ASA S3.22-2009 standard Specification of Hearing Aid Characteristics.
Single copy price: $110.00
Obtain an electronic copy from: standards@acousticalsociety.org
Send comments (copy psa@ansi.org) to: Nancy Blair-DeLeon <standards@acousticalsociety.org>

Comment Deadline: July 3, 2023

ASABE (American Society of Agricultural and Biological Engineers)

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

Revision

BSR/ASAE S319.5 MONYEAR-202x, Method of Determining and Expressing Fineness of Feed Materials by Sieving (revision and redesignation of ANSI/ASAE S319.4-2008 (R2022))
The purpose of this Standard is to define a test procedure to determine the fineness of feed ingredients and to define a method of expressing the particle size of the material.
Single copy price: $78.00
Obtain an electronic copy from: walsh@asabe.org
Send comments (copy psa@ansi.org) to: Jean Walsh <walsh@asabe.org>

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

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

Addenda

BSR/ASHRAE Addendum b to ASHRAE Standard 15-202x, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2022)
This proposed addendum revises Section 9.7.5 to clarify intent, clarify requirements, and makes editorial changes on pressure relief devices that were issued in Addendum a to ANSI/ASHRAE Standard 15-2019.
Single copy price: $35.00
Obtain an electronic copy from: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Revision

BSR/ASHRAE Standard 37-202x, Methods of Testing for Rating Electrically Driven Unitary Air-Conditioning and Heat Pump Equipment (revision of ANSI/ASHRAE Standard 37-2009)
This revision of ANSI/ASHRAE Standard 37-2009 provides test methods and calculations for steady-state, cyclic, and part-load performance and methods for establishing seasonal performance for unitary air-conditioning and heat pump equipment, including single capacity, multiple capacity, variable capacity, unloading, or multiple compressors for ducted and ductless systems.
Single copy price: $35.00
Obtain an electronic copy from: http://www.ashrae.org/standards-research--technology/public-review-drafts
Send comments (copy psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

Reaffirmation

BSR/EIA 364-42C-2012 (R202x), Impact Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-42C-2012 (R2018))
This standard establishes a method to determine the effects of impacts on electrical connectors.
Single copy price: $78.00
Obtain an electronic copy from: global.ihs.com
Send comments (copy psa@ansi.org) to: emikoski@ecianow.org

Comment Deadline: July 3, 2023

ECIA (Electronic Components Industry Association)
13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

Reaffirmation

BSR/EIA 364-54A-1999 (R202x), Magnetic Permeability Test Procedure for Electrical Connectors, Contacts, and Sockets (reaffirmation of ANSI/EIA 364-54A-1999 (R2018))
The object of this test is to detail a standard method to determine whether the magnetic permeability of a test item is below a specified value.
Single copy price: $75.00
Obtain an electronic copy from: global.ihs.com
Send comments (copy psa@ansi.org) to: emikoski@ecianow.org

ECIA (Electronic Components Industry Association)
13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

Reaffirmation

BSR/EIA 364-95-1999 (R202x), Full Mating and Mating Stability Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-95-1999 (R2018))
This document defines methods to evaluate the coupled condition of a connector plug, with its mating receptacle. This procedure assesses the ability of a connector pair to remain fully mated after exposure to test conditions but not during exposure.
Single copy price: $79.00
Obtain an electronic copy from: global.ihs.com
Send comments (copy psa@ansi.org) to: emikoski@ecianow.org

ECIA (Electronic Components Industry Association)
13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

Reaffirmation

BSR/EIA 364-99-1999 (R202x), Gage Location and Retention Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-99-1999 (R2018))
This standard establishes a method of determining the gage location and retention of electrical connectors.
Single copy price: $75.00
Obtain an electronic copy from: global.ihs.com
Send comments (copy psa@ansi.org) to: emikoski@ecianow.org

ECIA (Electronic Components Industry Association)
13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

Reaffirmation

BSR/EIA 364-102-1998 (R202x), Rise Time Degradation Test Procedure for Electrical Connectors, Sockets, Cable Assemblies or Interconnection Systems (reaffirmation of ANSI/EIA 364-102-1998 (R2018))
This standard describes a method for measuring the effect a specimen has on the rise time of a signal passing through it.
Single copy price: $85.00
Obtain an electronic copy from: global.ihs.com
Send comments (copy psa@ansi.org) to: emikoski@ecianow.org

Comment Deadline: July 3, 2023

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

Reaffirmation

BSR/EIA 364-103-1998 (R202x), Propagation Delay Test Procedure for Electrical Connectors, Sockets, Cable Assemblies or Interconnection Systems (reaffirmation of ANSI/EIA 364-103-1998 (R2018))
This standard describes a method for measuring the time it takes for a digital signal to propagate from one specified point to a second specified point.
Single copy price: $85.00
Obtain an electronic copy from: global.ihs.com
Send comments (copy psa@ansi.org) to: emikoski@ecianow.org

ICC (International Code Council)

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

New Standard

BSR/ICC 903-202x, Solar Hot Water Storage Tank Standard (new standard)
As an ANSI accredited SDO, ICC is developing a new standard to establish minimum requirements for the design, construction and testing of hot water storage tanks designed for use as a component within solar water heating systems. It establishes test methods and minimum standards to ensure minimum levels of safety and durability. It also sets uniform test methods for the measurement of key thermal performance and efficiency parameters for these tanks. The standard applies to tanks that are pressurized, unpressurized, with or without integral heat exchangers and with or without integral backup heaters. Construction codes, standards and incentive programs require minimum criteria and uniform test methods for hot water storage tanks utilized as part of solar water heating systems used in residential and commercial applications. These devices can take a multitude of forms and are not fully addressed by any current consensus standards. Such a standard is needed to ensure minimum safety and durability criteria are met and establish uniform test methods for basic thermal performance metrics. The performance metrics of these tanks are needed to facilitate accurate modeling of solar hot water heating systems for use in building energy modeling and incentive programs. This new standard will create clear, consistent criteria for solar hot water storage tank listing. A standard is also needed to clearly differentiate solar hot water tanks from standalone, unitary, tank-type hot water heaters.
Single copy price: Free
Obtain an electronic copy from: https://www.iccsafe.org/products-and-services/standards-development/icc-srcc-solar-thermal-standards/
Send comments (copy psa@ansi.org) to: smartin@solar-rating.org

NENA (National Emergency Number Association)

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

New Standard

BSR/NENA STA-040.2-202x, NENA Security for Next Generation 9-1-1 Standard (NG-SEC) (new standard)
The document will highlight a framework to assist 9-1-1 authorities in developing a robust cybersecurity plan and is expected to help build and strengthen cybersecurity programs by focusing on NG9-1-1 security through policy management, security and risk management and operations, data security and operations. It will identify the basic requirements, standards, procedures, or practices to provide the minimum levels of security applicable to NG9-1-1 Entities. It will also provide a basis for auditing and assessing levels of security and risk to NG9-1-1 Entities, assets or elements, and exception approval / risk acceptance process in the case of non-compliance to these guidelines.
Single copy price: Free
Send comments (copy psa@ansi.org) to: NENA Committee Resource Manager, crm@nena.org, 202-618-4412

Comment Deadline: July 3, 2023

PCI (Precast/Prestressed Concrete Institute)

200 West Adams Street, Chicago, Illinois 60606-5230 | egallandorm@pci.org, www.pci.org

New Standard

BSR/PCI 150-202x, Specification for the Design of Precast Concrete Insulated Wall Panels (new standard)
This purpose of this standard is to establish minimum requirements for the design of precast concrete insulated wall panels. This includes design of fully, partially, and non-composite wall systems and detailing requirements for reinforcement and wythe connectors.
Single copy price: Member $60.00/Non-member $120.00
Obtain an electronic copy from: https://www.pci.org/PCI/About/Standards_Development.aspx
Send comments (copy psa@ansi.org) to: Standards@pci.org

PMI (Project Management Institute)

18 Campus Boulevard, Suite 150, Newtown Square, PA 19073 | lorna.scheel@pmi.org, www.pmi.org

Revision

BSR/PMI 08-002-202X, The Standard for Program Management (revision of ANSI/PMI 08-002-2017)
The Standard for Program Management, -Fifth Edition, provides guidelines for managing programs within an organization. It defines program management and related concepts, describes the program management life cycle, and provides guidance to practitioners on best practices. A cover-to-cover revision was conducted to address needed modifications that will allow it to best serve the field.
Single copy price: Free
Obtain an electronic copy from: https://publiccomment.pmi.org/
Send comments (copy psa@ansi.org) to: Lorna Scheel <lorna.scheel@pmi.org>

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 443-2008 (R202x), Standard for Safety for Steel Auxiliary Tanks for Oil-Burner Fuel (reaffirmation of ANSI/UL 443-2008 (R2018))
Reaffirmation of the 6th edition of the Standard for Safety for Steel Auxiliary Tanks for Oil-Burner Fuel
Single copy price: Free
Obtain an electronic copy from: shopULstandards.com or https://csds.ul.com/Home/ProposalsDefault.aspx
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area https://csds.ul.com/Home/ProposalsDefault.aspx

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 5500-2018 (R202x), Standard for Safety for Remote Software Updates (reaffirmation of ANSI/UL 5500 -2018)
Reaffirmation and continuance of the First Edition of the Standard for Safety for Remote Software Updates, UL 5500, as an standard
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: "https://csds.ul.com/Home/ProposalsDefault.aspx."

Comment Deadline: July 3, 2023

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 867-202x, Standard for Safety for Electrostatic Air Cleaners (revision of ANSI/UL 867-2021)
1. Electrostatic Air Cleaners Generating Ultraviolet (UV) Radiation; 2. Editorial Change for Ozone Equation in Paragraph 40.2.4
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"

Comment Deadline: July 18, 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

Reaffirmation

INCITS 383-2008 [R202x], Information Technology - Biometric Profile - Interoperability and Data Interchange - Biometrics Based Verification and Identification of Transportation Workers (reaffirmation of INCITS 383-2008 [R2018])
Specifies the application profile in support of identification and verification of transportation workers, through the use of Biometric data collected during enrollment, at local access points (i.e., doors or other controlled entrances) and across local boundaries within the defined area of control.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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

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

Reaffirmation

INCITS 398-2008 [R202x], Information technology - Common Biometric Exchange Formats Framework (CBEFF) (reaffirmation of INCITS 398-2008 [R2018])
Specifies a common set of data elements necessary to support multiple biometric technologies and to promote interoperability of biometric-based application programs and sys-tems by allowing for biometric data exchange. These common data elements can be placed in a single file, record, or data object used to exchange biometric information between different system components and applications. Specifies the biometric data elements.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

Comment Deadline: July 18, 2023

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

Reaffirmation

INCITS 423.1-2008 [R202x], Information technology - Conformance Testing Methodology Standard for Biometric Data Interchange Format Standards - Part 1: Generalized Conformance Testing Methodology (reaffirmation of INCITS 423.1-2008 [R2018])
Specifies the concepts, test types and conformance testing methodologies to test biometric data interchange records or computer algorithms that create biometric data interchange records. The biometric data interchange records are specified in the INCITS biometric data interchange format standards. It defines two types (A and B) and three levels (1, 2 and 3) of conformance testing, with a general description and methodology for each one.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <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 423.2-2008 [R202x], Information technology - Conformance Testing Methodology Standard for Biometric Data Interchange Format Standards - Part 2: Conformance Testing Methodology for INCITS 378-2004, Finger Minutiae Format for Data Interchange (reaffirmation of INCITS 423.2-2008 [R2018])
Specifies the tests required to assure a vendor's application(s) or service(s) conform to the ANSI INCITS 378 -2004 standard. For the purposes of this part of INCITS 423, of the two types (A and B) and three levels (1,2, and 3) of conformance testing as defined in INCITS 423.1, only Type A and Levels 1 and 2 are within the scope of this part.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <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 429-2008 [R202x], Information technology - Conformance Testing Methodology for INCITS 358-2002, BioAPI Specification (reaffirmation of INCITS 429-2008 [R2018])
Specifies the concepts, framework, test methods, and criteria to be achieved to claim conformity of Biometric Service Providers to the biopic specification. Defines requirements and guidelines for specifying conformance test suites and related test methods for measuring conformity of Biometric Service Provider components to the biopic specification, and defines procedures to be followed before, during, and after conformance testing.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

Comment Deadline: July 18, 2023

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

Reaffirmation

INCITS 446-2008 [R202x], Information Technology - Identifying Attributes for Named Physical and Cultural Geographic Features (Except Roads and Highways) of the United States, Territories, Outlying Areas, and Freely Associated Areas, and the Waters of the Same to the Limit of the Twelve-Mile Statutory Zone (reaffirmation of INCITS 446-2008 [R2018])
This standard applies to selected named physical and cultural geographic features, geographic areas, and locational entities, except roads and highways, that are generally recognizable and locatable by name (i.e., have achieved some landmark status) and are of interest to any level of government and to the public for any purpose that would lead to the representation of the feature in printed or electronic maps and/or geographic information systems.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <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 481-2011/AM1-2018 [R202x], Information technology - Fibre Channel Protocol for SCSI - 4 (FCP-4) - Amendment 1 (reaffirmation of INCITS 481-2011/AM1-2018)
Amendment 1 to INCITS 481-2011/AM1-2018.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <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 487-2018 [R202x], Information technology - Fibre Channel - Link Services - 3 (FC-LS-3) (reaffirmation of INCITS 487-2018)
FC-LS describes in detail the Fibre Channel Extended Link Services.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

Comment Deadline: July 18, 2023

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

Reaffirmation

INCITS 504-1-2013 [R202x], Information Technology - Generic Identity Command Set - (GICS) - Part 1: Card Application Command Set (reaffirmation of INCITS 504-1:2013 [R2018])
Defines a command set for base functionality addressing: Identity credential storage (Namespace standardization), Authentication protocols, Biometric verification, Confidentiality protocols, Digital signatures.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <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 504-2-2013 [R202x], Information technology - Generic Identity Command Set (GICS) - Part 2: Card Administrative Command Set (reaffirmation of INCITS 504-2-2013 [R2018])
Defines a card administrative command set addressing: Card management, Card life cycle model, Application management, Key management (not addressed in other parts), Related administrative management functions, Card enablement.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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Reaffirmation

INCITS 504-4-2013 [R202x], Information technology - Generic Identity Command Set (GICS) - Part 4: Card Application Profile Template (reaffirmation of INCITS 504-4-2013 [R2018])
Defines the template to use to describe the data model of the GICS card application.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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Reaffirmation

INCITS 505-2013 [R202x], Information technology - SAS Protocol Layer - 2 (SPL-2) (reaffirmation of INCITS 505 -2013 [R2018])
Defines the rules for exchanging information between SCSI devices using a serial interconnect.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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Reaffirmation

INCITS 516-2013 [R202x], Information technology - SCSI Stream Commands (SSC-4) (reaffirmation of INCITS 516 -2013 [R2018])
Defines the command set extensions to facilitate operation of the sequential-access device type. This standard, implemented in conjunction with the requirements of the SCSI Architecture Model - 4 standard and the applicable clauses of the SCSI Primary Commands - 4 standard, fully specifies the standard command set for the sequential-access device type.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <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 522-2014/AM 1-2018 [R202x], Information technology - ATA/ATAPI Command Set - 3 (ACS-3) - Amendment 1 (reaffirmation of INCITS 522-2014/AM 1-2018)
This amendment adds missing content that was approved for inclusion in ACS-3 (INCITS 522-2014), fixes known technical errors and typos.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <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 529-2018 [R202x], Information technology - ATA/ATAPI Command Set - 4 (ACS-4) (reaffirmation of INCITS 529-2018)
This project is an evolutionary follow on to project ATA/ATAPI Command Set - 3. The project would: (a) Document command set implemented by devices that support the ATA architecture; (b) Address new features that were not sufficiently developed for ACS-3; and (c) Any other proposals or modifications to the command set.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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Reaffirmation

INCITS 538-2018 [R202x], Information technology - SAS Protocol Layer - 4 (SPL-4) (reaffirmation of INCITS 538 -2018)
This standard defines the rules for exchanging
information between SCSI devices using a serial interconnect. Other SCSI transport protocol standards define the rules for exchanging information between SCSI devices using other interconnects.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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Reaffirmation

INCITS 540-2018 [R202x], Information technology - Fibre Channel - Non-Volatile Memory Express (FC-NVMe) (reaffirmation of INCITS 540-2018)
This standard defines a protocol for applying the NVM Express over Fabrics interface to Fibre Channel. This standard defines how the Fibre Channel services and the defined Information Units (IUs) are used to perform the services defined by the NVM Express over Fabrics specification.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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Reaffirmation

INCITS 544-2018 [R202x], Information technology - Fibre Channel - Single Byte Command Code Sets Mapping Protocol - 6 (FC-SB-6) (reaffirmation of INCITS 544-2018)
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.
Single copy price: $60.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <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 19135-1:2015 [R202x], Geographic information - Procedures for item registration - Part 1: Fundamentals (reaffirmation of INCITS/ISO 19135-1:2015 [2018])
Specifies procedures to be followed in establishing, maintaining, and publishing registers of unique, unambiguous, and permanent identifiers and meanings that are assigned to items of geographic information. In order to accomplish this purpose, ISO 19135-1:2015 specifies elements that are necessary to manage the registration of these items.
Single copy price: $105.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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

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

Reaffirmation

INCITS/ISO 19144-2:2012 [R202x], Geographic information - Classification systems - Part 2: Land Cover Meta Language (LCML) (reaffirmation of INCITS/ISO 19144-2:2012 [R2018])
Specifies a Land Cover Meta Language (LCML) expressed as a UML metamodel that allows different land cover classification systems to be described based on the physiognomic aspects. Also specifies the detailed structure of a register for the extension of LCML but does not specify the maintenance of the register. Recognizes that there exist a number of land cover classification systems. It provides a common reference structure for the comparison and integration of data for any generic land cover classification system, but does not intend to replace those classification systems.
Single copy price: $116.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <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 19144-1:2009/COR 1:2012 [R202x], Geographic information - Classification systems - Part 1: Classification system structure - Technical Corrigendum 1 (reaffirmation of INCITS/ISO 19144-1:2009/COR 1:2012 [R2018])
Technical Corrigendum 1 to ISO 19144-1:2009
Single copy price: Free
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

Comment Deadline: July 18, 2023

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

Reaffirmation

INCITS/ISO 19104:2016 [R202x], Geographic information - Terminology (reaffirmation of INCITS/ISO 19104:2016 [2018])
Specifies requirements for the collection, management and publication of terminology in the field of geographic information. The scope of this document includes: selection of concepts, harmonization of concepts and development of concept systems, structure and content of terminological entries, term selection, definition preparation, cultural and linguistic adaptation, layout and formatting requirements in rendered documents, and establishment and management of terminology registers.
Single copy price: $116.00
Obtain an electronic copy from: http://webstore.ansi.org
Order from: http://webstore.ansi.org
Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

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Reaffirmation

INCITS/ISO 19108:2002 [R202x], Geographic information - Temporal schema (reaffirmation of INCITS/ISO 19108:2002 [R2018])
Defines concepts for describing temporal characteristics of geographic information. It depends upon existing information technology standards for the interchange of temporal information. It provides a basis for defining temporal feature attributes, feature operations, and feature associations, and for defining the temporal aspects of metadata about geographic information. Since this International Standard is concerned with the temporal characteristics of geographic information as they are abstracted from the real world, it emphasizes valid time rather than transaction time.
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Reaffirmation

INCITS/ISO 19109:2015 [R202x], Geographic information - Rules for application schema (reaffirmation of INCITS/ISO 19109:2015 [2018])
Defines rules for creating and documenting application schemas, including principles for the definition of features. The scope of this International Standard includes the following: conceptual modelling of features and their properties from a universe of discourse; definition of application schemas; use of the conceptual schema language for application schemas; transition from the concepts in the conceptual model to the data types in the application schema; integration of standardized schemas from other ISO geographic information standards with the application schema.
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Reaffirmation

INCITS/ISO 19110:2016 [R202x], Geographic information - Methodology for feature cataloguing (reaffirmation of INCITS/ISO 19110:2016 [2018])
Defines the methodology for cataloguing feature types. This document specifies how feature types can be organized into a feature catalogue and presented to the users of a set of geographic data. This document is applicable to creating catalogues of feature types in previously uncatalogued domains and to revising existing feature catalogues to comply with standard practice.
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Reaffirmation

INCITS/ISO 19117:2012 [R202x], Geographic information - Portrayal (reaffirmation of INCITS/ISO 19117:2012 [R2018])
Specifies a conceptual schema for describing symbols, portrayal functions that map geospatial features to symbols, and the collection of symbols and portrayal functions into portrayal catalogues. This conceptual schema can be used in the design of portrayal systems. It allows feature data to be separate from portrayal data, permitting data to be portrayed in a dataset-independent manner.
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Reaffirmation

INCITS/ISO 19119:2016 [R202x], Geographic information - Services (reaffirmation of INCITS/ISO 19119:2016 [2018])
Defines requirements for how platform neutral and platform specific specification of services shall be created, in order to allow for one service to be specified independently of one or more underlying distributed computing platforms. Defines requirements for a further mapping from platform neutral to platform specific service specifications, in order to enable conformant and interoperable service implementations.
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Reaffirmation

INCITS/ISO 19132:2007 [R202x], Geographic information - Location-based services - Reference model (reaffirmation of INCITS/ISO 19132:2007 [R2018])
Defines a reference model and a conceptual framework for location-based services (LBS), and describes the basic principles by which LBS applications may interoperate. This framework references or contains an ontology, a taxonomy, a set of design patterns and a core set of LBS service abstract specifications in UML. ISO 19132:2007 further specifies the framework's relationship to other frameworks, applications and services for geographic information and to client applications.
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Reaffirmation

INCITS/ISO 19141:2008 [R202x], Geographic information - Schema for moving features (reaffirmation of INCITS/ISO 19141:2008 [R2018])
Defines a method to describe the geometry of a feature that moves as a rigid body. This standard does not address other types of change to the feature. Examples of changes that are not addressed include the following: The deformation of features, the succession of either features or their associations, the change of non-spatial attributes of features. The feature's geometric representation cannot be embedded in a geometric complex that contains the geometric representations of other features, since this would require the other features' representations to be updated as the feature moves.
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Reaffirmation

INCITS/ISO/IEC 7501-2:1997 [R202x], Identification Cards - Machine Readable Travel Documents - Part 2: Machine Readable Visa (reaffirmation of INCITS/ISO/IEC 7501-2:1997 [R2018])
Specifies the form and provides guidance on the construction of machine readable visas, in particular in relation to the sections of the document containing details of the holder in a form which is both visible and machine readable.
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Reaffirmation

INCITS/ISO/IEC 7816-2:2007 [R202x], Identification cards - Integrated circuit cards - Part 2: Cards with contacts - Dimensions and location of the contacts (reaffirmation of INCITS/ISO/IEC 7816-2:2007 [R2018])
ISO/IEC 7816-2:2007 specifies the dimensions and locations for each of the contacts on an integrated circuit card of an ID-1 card type. It also provides information on the way to identify which standards define the use of the contacts. ISO/IEC 7816-2:2007 is to be used in conjunction with ISO/IEC 7816-1.
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Reaffirmation

INCITS/ISO/IEC 7816-12:2005 [R202x], Identification cards - Integrated circuit cards - Part 12: Cards with contacts - USB electrical interface and operating procedures (reaffirmation of INCITS/ISO/IEC 7816-12:2005 [R2018])
Specifies the operating conditions of an integrated circuit card that provides a USB interface. An integrated circuit card with a USB interface is named USB-ICC.
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Reaffirmation

INCITS/ISO/IEC 7816-13:2007 [R202x], Identification cards - Integrated circuit cards - Part 13: Commands for application management in multi-application environment (reaffirmation of INCITS/ISO/IEC 7816-13:2007 [R2018])
Specifies commands for application management in a multi-application environment. These commands cover the entire life cycle of applications in a multi-application integrated circuit card, and the commands can be used before and after the card is issued to the cardholder. ISO/IEC 7816-13:2007 does not cover the implementation within the card and/or the outside world.
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Reaffirmation

INCITS/ISO/IEC 9075-3:2016 [R202x], Information technology - Database languages - SQL - Part 3: Call-Level Interface (SQL/CLI) (reaffirmation of INCITS/ISO/IEC 9075-3:2016 [2018])
Defines the structures and procedures that can be used to execute statements of the database language SQL from within an application written in a programming language in such a way that procedures used are independent of the SQL statements to be executed.
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Reaffirmation

INCITS/ISO/IEC 9281-1:1990 [R202x], Information technology - Picture coding methods - Part 1: Identification (reaffirmation of INCITS/ISO/IEC 9281-1:1990 [R2018])
Specifies the identification methods for coding of pictorial information in digital form. It does not specify the contents of the data field of a picture entity. For instance, this field may also contain audio and/or animation data associated with the data specifying the picture(s). Serves as a basis for a number of standards. In combination with one or more of those, pictorial information in digital form, using one or more methods of coding, may be built up into a document for visual comprehension.
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Reaffirmation

INCITS/ISO/IEC 9281-2:1990 [R202x], Information technology - Picture coding methods - Part 2: Procedure for registration (reaffirmation of INCITS/ISO/IEC 9281-2:1990 [R2018])
Specifies the procedures to be followed by a Registration Authority in preparing, maintaining and publishing a register of identifiers allocated to the methods concerned. Except the identifiers the registration does not affect the status of the method. Thus, the registration procedure must be clearly distinguished from the standardization process.
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Reaffirmation

INCITS/ISO/IEC 9282-1:1988 [R202x], Information processing - Coded representation of pictures - Part 1: Encoding principles for picture representation in a 7-bit or 8-bit environment (reaffirmation of INCITS/ISO/IEC 9282-1:1988 [R2018])
Defines the coding principles to be used in interchanging pictures consisting of graphic images in a 7-bit or 8-bit environment; the data structures to be used to represent the primitives describing a picture; the general datatypes which can be used as operands within a primitive. Does not deal with the presentation semantics of pictures. These are defined in the related International Standards. Applies to the data streams containing data structured in accordance with picture coding methods defined in ISO 9281.
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Reaffirmation

INCITS/ISO/IEC 9593-4:1991/AM 2:1998 [R202x], Information technology - Computer graphics - Programmers Hierarchical Interactive Graphics System (PHIGS) language bindings - Part 4: C - Amendment 2 (reaffirmation of INCITS/ISO/IEC 9593-4:1991/AM 2:1998 [R2018])
Amendment 2 to ISO/IEC 9593-4:1991.
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Reaffirmation

INCITS/ISO/IEC 9796-3:2006 [R202x], Information Technology - Security Techniques - Digital Signature Schemes Giving Message Recovery - Part 3: Discrete Logarithm Based Mechanisms (reaffirmation of INCITS/ISO/IEC 9796-3:2006 [R2018])
Specifies digital signature mechanisms giving partial or total message recovery aiming at reducing storage and transmission overhead; specifies mechanisms based on the discrete logarithm problem of a finite field or an elliptic curve over a finite field; defines types of redundancy: natural redundancy, added redundancy, or both; gives the general model for digital signatures giving partial or total message recovery aiming at reducing storage and transmission overhead; specifies six digital signature schemes giving data recovery: NR, ECNR, ECMR, ECAO, ECPV, and ECKNR.
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Reaffirmation

INCITS/ISO/IEC 10175-1:1996 [R202x], Information Technology - Text and Office Systems - Document Printing Application (DPA) - Part 1: Abstract Service Definition and Procedures (reaffirmation of INCITS/ISO/IEC 10175 -1:1996 [R2018])
Specifies a client-server model of printing in accordance with the Distributed-office-applications Model (ISO/IEC 10031-1). Together, the capabilities provided can enable users to create and produce high-quality office documents in a consistent and unambiguous manner within a distributed open system environment.
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Reaffirmation

INCITS/ISO/IEC 10175-2:1996 [R202x], Information Technology - Text and Office Systems - Document Printing Application (DPA) - Part 2: Protocol Specification (reaffirmation of INCITS/ISO/IEC 10175-2:1996 [R2018])
Specifies the abstract syntax of the Document Printing Application (DPA) access protocol, how this protocol supports the DPA abstract service, the mapping of the DPA onto the services used and the requirements for conformance with the DPA access protocol.
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Reaffirmation

INCITS/ISO/IEC 10536-1:2000 [R202x], Identification cards - Contactless integrated circuit(s) cards - Close coupled cards - Part 1: Physical characteristics (reaffirmation of INCITS/ISO/IEC 10536-1:2000 [R2018])
This part of ISO/IEC 10536 specifies the physical characteristics of close-coupled cards (CICC). It applies to identification cards of the card type ID-1 operating either in a slot or on the surface of a coupling device. This part of ISO/IEC 10536 shall be used in conjunction with later parts of ISO/IEC 10536.
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Reaffirmation

INCITS/ISO/IEC 10536-3:1996 [R202x], Identification cards - Contactless integrated circuit(s) cards - Part 3: Electronic signals and Reset Procedures (reaffirmation of INCITS/ISO/IEC 10536-3:1996 [R2018])
Specifies the nature and characteristics of the fields to be provided for power and bidirectional communications between card coupling devices and contactless integrated circuit(s) cards of the ID-1 card type in slot or surface operation. Is to be used in conjunction with ISO/IEC 10536-1 and ISO/IEC 10536-2.
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Reaffirmation

INCITS/ISO/IEC 10918-1:1994 [R202x], Information technology - Digital compression and coding of continuous-tone still images: Requirements and guidelines (reaffirmation of INCITS/ISO/IEC 10918-1:1994 [R2018])
Specifies processes for converting source image data to compressed image data, processes for converting compressed image data to reconstructed image data, coded representations for compressed image data, and gives guidance on how to implement these processes in practice. Is applicable to continuous-tone - grayscale or colour-digital still image data and to a wide range of applications which require use of compressed images. Is not applicable to bi-level image data.
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Reaffirmation

INCITS/ISO/IEC 10918-2:1995 [R202x], Information technology - Digital compression and coding of continuous-tone still images: Compliance testing (reaffirmation of INCITS/ISO/IEC 10918-2:1995 [R2018]])
Specifies normative compliance tests for the ITU-T Rec.T.81 (ISO/IEC 10981-1) encoding and decoding processes. These compliance tests are applicable to "stand-alone" generic implementations of one or more of the encoding and decoding processes specified in ITU-T Rec.T.81 (ISO/IEC 10918-1). The purposes of these tests include that generic encoder (and decoder) implementations compute the discrete cosine transform (DCT) and quantization functions with sufficient accuracy.
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Reaffirmation

INCITS/ISO/IEC 10918-3:1997 [R202x], Information technology - Digital compression and coding of continuous-tone still images: Extensions (reaffirmation of INCITS/ISO/IEC 10918-3:1997 [R2018])
Applies to continuous-tone grayscale or colour-digital still image data. It is applicable to a wide range of applications which require use of compressed images. Defines extensions [including variable quantization, selective refinement, tiling, and a Still Picture Interchange File Format (SPIFF)] to processes for converting Source image data to compressed image data. Defines extensions to processes for converting compressed image data to reconstructed image data.
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Reaffirmation

INCITS/ISO/IEC 11172-1:1993 [R202x], Information Technology - Coding of Moving Pictures and Associated Audio for Digital Storage Media at up to about 1,5 Mbit/s - Part 1: Systems (reaffirmation of INCITS/ISO/IEC 11172-1:1993 [R2018])
Specifies the system layer of the coding. Was developed principally to support the combination of the video and audio coding methods defined in ISO/IEC 11172-2 and ISO/IEC 11172-3. The system layer supports the following basic functions: the synchronization of multiple compressed streams on playback, the interleaving of multiple compressed streams into a single stream, the initializiation of buffering for playback start up, continuous buffer management, and time identification.
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Reaffirmation

INCITS/ISO/IEC 11172-2:1993 [R202x], Information Technology - Coding of Moving Pictures and Associated Audio for Digital Storage Media at up to about 1,5 Mbit/s - Part 2: Video (reaffirmation of INCITS/ISO/IEC 11172-2:1993 [R2018])
Specifies the coded representation of video for digital storage media and the decoding process. Is primarily applicable to digital storage media supporting a continuous transfer rate up to about 1,5 Mbit/s, such as compact disc, digital audio tape, and magnetic hard disc, and for non-interlaced video formats having approximately 288 lines of 352 pels and picture rates around 24 Hz to 30 Hz. Nevertheless it can be used more widely than this because of the generic approach taken.
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Reaffirmation

INCITS/ISO/IEC 11172-3:1993 [R202x], Information Technology - Coding of Moving Pictures and Associated Audio for Digital Storage Media at up to about 1,5 Mbit/s - Part 3: Audio (reaffirmation of INCITS/ISO/IEC 11172 -3:1993 [R2018])
Specifies the coded representation of high quality audio for storage media and the method for decoding of high quality audio signals. Is intended for application to digital storage media providing a total continuous transfer rate of about 1,5 Mbit/s for both audio and video bitstreams, such as CD, DAT and magnetic hard disc, and for sampling rates of 32 kHz, 44,1 kHz, and 48 kHz.
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Reaffirmation

INCITS/ISO/IEC 11172-4:1995 [R202x], Information technology - Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s - Part 4: Compliance testing (reaffirmation of INCITS/ISO/IEC 11172-4:1995 [R2018])
Specifies how tests can be designed to verify whether bitstreams and decoders meet requirements specified in parts 1, 2, and 3 of ISO/IEC 11172. Summarizes the requirements, cross references them to characteristics, and defines how compliance with them can be tested. Gives guidelines how to construct tests and determine their outcome. Defines some actual tests only for audio.
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Reaffirmation

INCITS/ISO/IEC 11770-1:2010 [R202x], Information technology - Security techniques - Key management - Part 1: Framework (reaffirmation of INCITS/ISO/IEC 11770-1:2010 [R2018])
Defines a general model of key management that is independent of the use of any particular cryptographic algorithm. However, certain key distribution mechanisms can depend on particular algorithm properties, for example, properties of asymmetric algorithms. Contains the material required for a basic understanding of subsequent parts.
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Reaffirmation

INCITS/ISO/IEC 11770-4:2017 [R202x], Information technology - Security techniques - Key management - Part 4: Mechanisms based on weak secrets (reaffirmation of INCITS/ISO/IEC 11770-4:2017 [2018])
Defines key establishment mechanisms based on weak secrets, i.e., secrets that can be readily memorized by a human, and hence, secrets that will be chosen from a relatively small set of possibilities. It specifies cryptographic techniques specifically designed to establish one or more secret keys based on a weak secret derived from a memorized password, while preventing offline brute-force attacks associated with the weak secret.
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Reaffirmation

INCITS/ISO/IEC 14495-2:2003 [R202x], Information Technology - Lossless and near-lossless compression of continuous-tone still images - Part 2: Extensions (reaffirmation of INCITS/ISO/IEC 14495-2:2003 [R2018])
Defines a set of lossless (bit-preserving) and nearly lossless (where the error for each reconstructed sample is bounded by a predefined value) compression methods for coding continuous-tone (including bi-level), gray-scale, or colour digital still images.
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Reaffirmation

INCITS/ISO/IEC 14496-5:2001 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software (reaffirmation of INCITS/ISO/IEC 14496-5:2001 [R2018])
Reference software is normative in the sense that any conforming implementation of the software, taking the same conformant bitstreams, using the same output file format, will output the same file. Complying ISO/IEC 14496 implementations are not expected to follow the algorithms or the programming techniques used by the reference software. Although the decoding software is considered normative, it cannot add anything to the textual technical description included in parts 1, 2, 3 and 6 of ISO/IEC 14496.
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Reaffirmation

INCITS/ISO/IEC 14496-5:2001/AM 1:2002 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 1: Reference software for MPEG-4 (reaffirmation of INCITS/ISO/IEC 14496-5:2001/AM 1:2002 [R2018])
Amendment 1 to ISO/IEC 14496-5:2001.
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Reaffirmation

INCITS/ISO/IEC 14496-5:2001/AM 2:2003 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 2: MPEG-4 reference software extensions for XMT and media nodes (reaffirmation of INCITS/ISO/IEC 14496-5:2001/AM 2:2003 [R2018])
Amendment 2 to ISO/IEC 14496-5:2001.
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Reaffirmation

INCITS/ISO/IEC 14776-112:2002 [R202x], Information technology - Small Computer System Interface (SCSI) - Part 112: Parallel Interface-2 (SPI-2) (reaffirmation of INCITS/ISO/IEC 14776-112:2002 [2018])
Defines the mechanical, electrical, timing, and protocol requirements of the SCSI parallel interface to allow conforming devices to interoperate. The SCSI parallel interface is a local I/O bus that may be operated over a wide range of transfer rates. The objectives of the SCSI parallel interface are to provide host computers with device independence within a class of devices. Thus, different disk drives, tape drives, printers, optical media drives, and other devices may be added to the host computers without requiring modifications to generic system hardware. Provision is made for the addition of special features and functions through the use of vendor-specific options.
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Reaffirmation

INCITS/ISO/IEC 14776-153:2015 [R202x], Information technology - Small Computer System Interface (SCSI) - Part 153: Serial Attached SCSI - 2.1 (SAS-2.1) (reaffirmation of INCITS/ISO/IEC 14776-153:2015 [2018])
Defines the physical layer of the Serial Attached SCSI (SAS) interconnect.
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Reaffirmation

INCITS/ISO/IEC 14776-222:2005 [R202x], Information technology - Small Computer System Interface (SCSI) - Part 222: Fibre Channel Protocol for SCSI, Second Version (FCP-2) (reaffirmation of INCITS/ISO/IEC 14776 -222:2005 [2018])
Defines a Fibre Channel mapping layer (FC-4) that uses the services defined by NCITS Project 1311D, Fibre Channel Framing and Signaling Interface (FC-FS) to transmit SCSI command, data, and status information between a SCSI initiator and a SCSI target. The use of this standard enables the transmission of standard SCSI command formats, the transmission of standard SCSI data and parameter strings, and the receipt of SCSI status and sense information across the Fibre Channel using only the standard Fibre Channel frame and sequence formats. The Fibre Channel protocol operates with Fibre Channel Classes of Service 1, 2, and 3 and operates across Fibre Channel fabrics and arbitrated loops.
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Reaffirmation

INCITS/ISO/IEC 14776-326:2015 [R202x], Information technology - Small Computer System Interface (SCSI) - Part 326: Reduced block commands (RBC) (reaffirmation of INCITS/ISO/IEC 14776-326:2015 [2018])
Defines a Reduced Block Command set for logical block devices. The Reduced Block Commands along with the required SPC-2 commands and their restrictions described in this standard, fully specify the complete command set for RBC logical block devices. It provides a command set of reduced requirements and options from SCSI Block Commands (SBC) (ISO/IEC 14776-321) for block devices. The reduced command set is intended to more closely match the functionality required for simple block logical units. The specified commands place no restrictions on device performance. The initial focus of this command set was to enable rigid disks and removable media devices attached to Serial Bus and utilizing SBP-2 (ISO/IEC 14776-232) for command and control.
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Reaffirmation

INCITS/ISO/IEC 14776-331:2002 [R202x], Information technology - Small Computer System Interface (SCSI) - Part 331: Stream Commands (SSC) (reaffirmation of INCITS/ISO/IEC 14776-331:2002 [2018])
Defines the command set extensions to facilitate operation of SCSI stream devices. This standard in conjunction with INCITS 351-2001 fully specifies the standard command set for the SCSI stream device class. The objective to provide the following: permit an application client to communicate over a SCSI service delivery subsystem, with a logical unit that declares itself to be a sequential access device or printer device in the device type field of the INQUIRY command response data; define commands unique to each type of SCSI stream device; define commands to manage the operation of SCSI stream devices; and define the differences between the types of SCSI stream devices.
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Reaffirmation

INCITS/ISO/IEC 14776-351:2007 [R202x], Information technology - Small Computer System Interface (SCSI) - Part 351: Medium Changer Commands (SCSI-3 SMC) (reaffirmation of INCITS/ISO/IEC 14776-351:2007 [2018])
Provides efficient peer-to-peer operation of input/output devices (disks, tapes, printers, etc.) by an operating system. This International Standard defines the SCSI commands and model for independent medium changer devices and attached medium changer functions integrated into other SCSI devices. This includes the commands and external behavioural characteristics of a device server, and the behaviour of the attached medium changer commands (SMC).
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Reaffirmation

INCITS/ISO/IEC 14776-362:2006 [R202x], Information technology - Small Computer System Interface (SCSI) - Part 362: Multimedia commands-2 (MMC-2) (reaffirmation of INCITS/ISO/IEC 14776-362:2006 [2018])
The SCSI protocol is designed to provide an efficient peer-to-peer I/O bus with the maximum number of hosts and peripherals determined by the bus width (8 or 16). This International Standard defines the SCSI command set extensions to access multimedia features for all classes of SCSI devices.
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Reaffirmation

INCITS/ISO/IEC 14776-412:2006 [R202x], Information technology - Small Computer System Interface (SCSI) - Part 412: Architecture Model -2 (SAM-2) (reaffirmation of INCITS/ISO/IEC 14776-412:2006 [2018])
The SCSI protocol provides an efficient peer-to-peer I/O bus with the maximum number of hosts and peripherals determined by the bus width (8 or 16). This International Standard specifies common behaviours for SCSI devices.
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Reaffirmation

INCITS/ISO/IEC 14888-2:2008/COR 1:2015 [R202x], Information technology - Security techniques - Digital signatures with appendix - Part 2: Integer factorization based mechanisms - Technical Corrigendum 1: To ISO/IEC 14888-2:2008 (reaffirmation of INCITS/ISO/IEC 14888-2:2008/COR 1:2015 [2018])
Technical Corrigendum 1 to ISO/IEC 14888-2:2008.
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Reaffirmation

INCITS/ISO/IEC 15444-3:2007 [R202x], Information technology - JPEG 2000 image coding system - Part 3: Motion JPEG 2000 (reaffirmation of INCITS/ISO/IEC 15444-3:2007 [R2018])
Specifies the use of the wavelet-based JPEG2000 codec for the coding and display of timed sequences of images (motion sequences), possibly combined with audio, and composed into an overall presentation. In this specification, a file format is defined, and guidelines for the use of the JPEG2000 codec for motion sequences are supplied.
Single copy price: $81.00
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Reaffirmation

INCITS/ISO/IEC 15457-2:2007 [R202x], Identification cards - Thin flexible cards - Part 2: Magnetic recording technique (reaffirmation of INCITS/ISO/IEC 15457-2:2007 [R2018])
Thin flexible cards are used to automate the controls for access to goods or services such as mass transit, highway toll systems, car parks, vouchers and stored value.
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Reaffirmation

INCITS/ISO/IEC 15938-5:2003 [R202x], Information technology - Multimedia content description interface - Part 5: Multimedia description schemes (reaffirmation of INCITS/ISO/IEC 15938-5:2003 [R2018])
Specifies a metadata system for describing multimedia content. This document specifies the Multimedia Description Schemes (MDS) description tools (Description Schemes, Descriptors, and datatypes) that comprise ISO/IEC 15938-5.
Single copy price: $116.00
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Reaffirmation

INCITS/ISO/IEC 15938-7:2003 [R202x], Information technology - Multimedia content description interface - Part 7: Conformance testing (reaffirmation of INCITS/ISO/IEC 15938-7:2003 [R2018])
Specifies a metadata system for describing multimedia content. ISO/IEC 15938-7:2003 specifies how tests can be designed to verify whether descriptions and description consuming terminals meet the specifications of parts 1, 2, 3, 4, and 5 of ISO/IEC 15938. In ISO/IEC 15938-7:2003, the creation or extraction of descriptions from multimedia content is not addressed specifically.
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Reaffirmation

INCITS/ISO/IEC 18014-4:2015 [R202x], Information technology - Security techniques - Time-stamping services - Part 4: Traceability of time sources (reaffirmation of INCITS/ISO/IEC 18014-4:2015 [2018])
Defines the functionality of the time assessment authority (TAA), describes an overall architecture for providing the time to the time-stamping authority (TSA) and to guarantee the correctness of it through the use of the TAA, and gives technical guidelines for the TAA to provide, and to provide assurance in, a trusted time source to the TSA.
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Reaffirmation

INCITS/ISO/IEC 18033-2:2006 [R202x], Information technology - Security techniques - Encryption algorithms - Part 2: Asymmetric ciphers (reaffirmation of INCITS/ISO/IEC 18033-2:2006 [R2018])
Specifies encryption systems (ciphers) for the purpose of data confidentiality. The primary purpose of encryption (or encipherment) techniques is to protect the confidentiality of stored or transmitted data. An encryption algorithm is applied to data (often called plaintext or cleartext) to yield encrypted data (or ciphertext); this process is known as encryption. The encryption algorithm should be designed so that the ciphertext yields no information about the plaintext except, perhaps, its length.
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Reaffirmation

INCITS/ISO/IEC 19777-1:2006 [R202x], Information technology - Computer graphics and image processing - Extensible 3D (X3D) language bindings - Part 1: ECMA Script (reaffirmation of INCITS/ISO/IEC 19777-1:2006 [R2018])
For integration into a programming language, the X3D abstract interfaces are embedded in a language-dependent layer obeying the particular conventions of that language. ISO/IEC 19777-1:2006 specifies such a language-dependent layer for the ECMAScript language. ISO/IEC 19775-2 specifies a language-independent application programmer interface (API) to a set of services and functions.
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Reaffirmation

INCITS/ISO/IEC 19777-2:2006 [R202x], Information Technology - Computer Graphics and Image Processing - Extensible 3D (X3D) Language Bindings - Part 2: Java (reaffirmation of INCITS/ISO/IEC 19777-2:2006 [R2018])
The Extensible 3D (X3D) specification, ISO/IEC 19775, specifies a language-independent application programmer interface (API) to a set of services and functions. For integration into a programming language, the X3D abstract interfaces are embedded in a language dependent layer obeying the particular conventions of that language. ISO/IEC 19777-2:2006 specifies such a language-dependent layer for the Java programming language.
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Reaffirmation

INCITS/ISO/IEC 19784-1:2018 [R202x], Information technology - Biometric application programming interface - Part 1: BioAPI specification (reaffirmation of INCITS/ISO/IEC 19784-1:2018 [2018])
ISO/IEC 19784-1:2018 defines the Application Programming Interface (API) and Service Provider Interface (SPI) for standard interfaces within a biometric system that support the provision of that biometric system using components from multiple vendors. It provides interworking between such components through adherence to this and to other International Standards.
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Reaffirmation

INCITS/ISO/IEC 19784-4:2011/COR1:2013 [R202x], Information technology - Biometric application programming interface - Part 4: Biometric sensor function provider interface - Technical Corrigendum 1 (reaffirmation of INCITS/ISO/IEC 19784-4:2011/COR1:2013 [R2018])
Corrigendum 1 to ISO/IEC 19784-4:2011
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Reaffirmation

INCITS/ISO/IEC 19794-1:2011 [R202x], Information technology - Biometric data interchange formats - Part 1: Framework (reaffirmation of INCITS/ISO/IEC 19794-1:2011 [R2018])
Describes the general aspects and requirements for defining biometric data interchange formats. The notation and transfer formats provide platform independence and separation of transfer syntax from content definition. Defines what is commonly applied for biometric data formats, i.e., the standardization of the common content, meaning, and representation of biometric data formats of biometric types considered in the specific parts of ISO/IEC 19794.
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Reaffirmation

INCITS/ISO/IEC 19794-2:2011 [R202x], Information technology - Biometric data interchange formats - Part 2: Finger minutiae data (reaffirmation of INCITS/ISO/IEC 19794-2:2011 [R2018])
Specifies a concept and data formats for representation of fingerprints using the fundamental notion of minutiae. It is generic, in that it may be applied and used in a wide range of application areas where automated fingerprint recognition is involved.
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Reaffirmation

INCITS/ISO/IEC 19794-4:2011 [R202x], Information technology - Biometric data interchange formats - Part 4: Finger image data (reaffirmation of INCITS/ISO/IEC 19794-4:2011 [R2018])
Specifies a data record interchange format for storing, recording, and transmitting the information from one or more finger or palm image areas within an ISO/IEC 19785-1 data structure.
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Reaffirmation

INCITS/ISO/IEC 19794-5:2011 [R202x], Information technology - Biometric data interchange formats - Part 5: Face image data (reaffirmation of INCITS/ISO/IEC 19794-5:2011 [R2018])
Specifies a record format for storing, recording, and transmitting information from one or more facial images or a short video stream of facial images. Specifies scene constraints of the facial images. Specifies photographic properties of the facial images. Specifies digital image attributes of the facial images. Provides best practices for the photography of faces.
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Reaffirmation

INCITS/ISO/IEC 19794-6:2011 [R202x], Information technology - Biometric data interchange formats - Part 6: Iris image data (reaffirmation of INCITS/ISO/IEC 19794-6:2011 [R2018])
Specifies iris image interchange formats for biometric enrollment, verification and identification systems.
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Reaffirmation

INCITS/ISO/IEC 19794-9:2011 [R202x], Information technology - Biometric data interchange formats - Part 9: Vascular image data (reaffirmation of INCITS/ISO/IEC 19794-9:2011 [R2018])
Specifies an image interchange format for biometric person identification or verification technologies that utilize human vascular biometric images and can be used for the exchange and comparison of vascular image data.
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Reaffirmation

INCITS/ISO/IEC 19794-11:2013 [R202x], Information technology - Biometric data interchange formats - Part 11: Signature/sign processed dynamic data (reaffirmation of INCITS/ISO/IEC 19794-11:2013 [R2018])
For the purpose of biometric comparison, specifies a data interchange format for processed signature/sign behavioural data extracted from a time series, captured using devices such as digitizing tablets, pen-based computing devices, or advanced pen systems. The data interchange format is generic, may be applied and used in a wide range of application areas where handwritten signs or signature/signs are involved.
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Reaffirmation

INCITS/ISO/IEC 19794-4:2005/COR1:2011 [R202x], Information technology - Biometric data interchange formats - Part 4: Finger image data - Technical Corrigendum 1 (reaffirmation of INCITS/ISO/IEC 19794-4:2005/COR1:2011 [R2018])
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Reaffirmation

INCITS/ISO/IEC 19794-8:2006/COR1:2011 [R202x], Information technology - Biometric data interchange formats - Part 8: Finger pattern skeletal data - Technical Corrigendum 1 (reaffirmation of INCITS/ISO/IEC 19794-8:2006/COR1:2011 [R2018])
Technical Corrigendum 1 to ISO/IEC 19794-8:2006
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Reaffirmation

INCITS/ISO/IEC 19794-9:2011/COR1:2012 [R202x], Information technology - Biometric data interchange formats - Part 9: Vascular image data - Technical Corrigendum 1 (reaffirmation of INCITS/ISO/IEC 19794 -9:2011/COR1:2012 [R2018])
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Reaffirmation

INCITS/ISO/IEC 19794-9:2011/AM 1:2013 [R202x], Information technology - Biometric data interchange formats - Part 9: Vascular image data - Amendment 1: Conformance testing methodology (reaffirmation of INCITS/ISO/IEC 19794-9:2011/AM 1:2013 [R2018])
Amendment 1 to ISO/IEC 19794-9:2011
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Reaffirmation

INCITS/ISO/IEC 19795-6:2012 [R202x], Information technology -- Biometric performance testing and reporting -- Part 6: Testing methodologies for operational evaluation (reaffirmation of INCITS/ISO/IEC 19795-6:2012 [R2018])
Provides guidance on the operational testing of biometric systems; specifies performance metrics for operational systems; details data that may be retained by operational systems to enable performance monitoring; and specifies requirements on test methods, recording of data, and reporting of results of operational evaluations.
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Reaffirmation

INCITS/ISO/IEC 20000-6:2017 [R202x], Information technology - Service management - Part 6: Requirements for bodies providing audit and certification of service management systems (reaffirmation of INCITS/ISO/IEC 20000 -6:2017 [2018])
Specifies requirements and provides guidance for certification bodies providing audit and certification of an SMS in accordance with ISO/IEC 20000-1. Does not change the requirements specified in ISO/IEC 20000-1. ISO/IEC 20000-6:2017 can also be used by accreditation bodies for accreditation of certification bodies. A certification body providing SMS certification is expected to be able to demonstrate fulfilment of the requirements specified in ISO/IEC 20000-6:2017 in addition to the requirements in ISO/IEC 17021-1.
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Reaffirmation

INCITS/ISO/IEC 20944-1:2013 [R202x], Information technology - Metadata Registries Interoperability and Bindings (MDR-IB) - Part 1: Framework, common vocabulary, and common provisions for conformance (reaffirmation of INCITS/ISO/IEC 20944-1:2013 [R2018])
Provides the bindings and their interoperability for metadata registries, such as those specified in the ISO/IEC 11179 series of Standards. This part contains an overview, framework, common vocabulary, and common provisions for conformance for the ISO/IEC 20944 series of Standards.
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Reaffirmation

INCITS/ISO/IEC 20944-2:2013 [R202x], Information technology - Metadata Registries Interoperability and Bindings (MDR-IB) - Part 2: Coding bindings (reaffirmation of INCITS/ISO/IEC 20944-2:2013 [R2018])
Provides the bindings and their interoperability for metadata registries, such as those specified in the ISO/IEC 11179 series of Standards. Contains provisions that are common to coding bindings and the coding bindings themselves. The coding bindings have commonality in their conceptualization of data instances and their internal structures.
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Reaffirmation

INCITS/ISO/IEC 20944-3:2013 [R202x], Information technology - Metadata Registries Interoperability and Bindings (MDR-IB) - Part 3: API bindings (reaffirmation of INCITS/ISO/IEC 20944-3:2013 [R2018])
Provides the bindings and their interoperability for metadata registries, such as those specified in the ISO/IEC 11179 series of Standards. Contains provisions that are common to application programming interface (API) bindings and the API bindings themselves.
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Reaffirmation

INCITS/ISO/IEC 20944-4:2013 [R202x], Information technology - Metadata Registries Interoperability and Bindings (MDR-IB) - Part 4: Protocol bindings (reaffirmation of INCITS/ISO/IEC 20944-4:2013 [R2018])
Provides the bindings and their interoperability for metadata registries, such as those specified in the ISO/IEC 11179 series of Standards. Contains provisions that are common to protocol bindings and the protocol bindings themselves. The protocol bindings have commonality in their conceptualization of the services provided.
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Reaffirmation

INCITS/ISO/IEC 20944-5:2013 [R202x], Information technology - Metadata Registries Interoperability and Bindings (MDR-IB) - Part 5: Profiles (reaffirmation of INCITS/ISO/IEC 20944-5:2013 [R2018])
Provides the bindings and their interoperability for metadata registries, such as those specified in the ISO/IEC 11179 series of Standards. Contains provisions that are common to the profiles, and the profiles themselves. A profile of ISO/IEC 11179-3:2003 is included, which maps ISO/IEC 11179 metadata attributes to standardized identifiers for navigation and access of ISO/IEC 11179 metadata.
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Reaffirmation

INCITS/ISO/IEC 21000-2:2005 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 2: Digital Item Declaration (reaffirmation of INCITS/ISO/IEC 21000-2:2005 [R2018])
Specifies a uniform and flexible abstraction and interoperable representation for declaring the structure and makeup of Digital Items. A Digital Item Declaration (DID) involves specifying the resources, metadata, and their interrelationships for a Digital Item. A DID is done using the Digital Item Declaration Language (DIDL).
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Reaffirmation

INCITS/ISO/IEC 21000-3:2003 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 3: Digital Item Identification (reaffirmation of INCITS/ISO/IEC 21000-3:2003 [R2018])
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: $81.00
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Reaffirmation

INCITS/ISO/IEC 24727-1:2014 [R202x], Identification cards - Integrated circuit card programming interfaces - Part 1: Architecture (reaffirmation of INCITS/ISO/IEC 24727-1:2014 [2018])
Specifies a set of programming interfaces and protocols enabling interactions between integrated circuit cards (ICCs) and applications resident on a variety of computer platforms. The ICCs provide generic services for multi-sector use by the applications. The organization and the operation of the ICCs conform to ISO/IEC 7816-4. It is anticipated that some application domains will seek to achieve interoperability through ISO/IEC 24727 facilities even though the applications pre-exist these facilities.
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Reaffirmation

INCITS/ISO/IEC 25185-1:2016 [R202x], Identification cards - Integrated circuit card authentication protocols - Part 1: Protocol for Lightweight Authentication of Identity (reaffirmation of INCITS/ISO/IEC 25185-1:2016 [2018])
Provides an authentication protocol suitable for use in physical and logical access control systems based on ICCs and related systems which support standards based AES-128 and RSA-2048 ciphers and the SHA-256 hashing algorithm. It specifies PLAID and its implementation in sufficient detail to allow any two or more implementations to be interoperable. It does not address how implementations share cryptographic keys, access control system credential records (including revocation) or manage payload entities such as PIN, PINHash, or biometric templates or other payload objects.
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Reaffirmation

INCITS/ISO/IEC 27033-4:2014 [R202x], Information technology - Security techniques - Network security - Part 4: Securing communications between networks using security gateways (reaffirmation of INCITS/ISO/IEC 27033-4 -2014 [2018])
Gives guidance for securing communications between networks using security gateways (firewall, application firewall, Intrusion Protection System, etc.) in accordance with a documented information security policy of the security gateways.
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Reaffirmation

INCITS/ISO/IEC 27034-2:2015 [R202x], Information technology - Security techniques - Application security - Part 2: Organization normative framework (reaffirmation of INCITS/ISO/IEC 27034-2:2015 [2018])
Provides a detailed description of the Organization Normative Framework and provides guidance to organizations for its implementation.
Single copy price: $105.00
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Reaffirmation

INCITS/ISO/IEC 29109-6:2011 [R202x], Information technology - Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 - Part 6: Iris image data (reaffirmation of INCITS/ISO/IEC 29109-6:2011 [R2018])
Specifies elements of conformance testing methodology, test assertions, and test procedures as applicable to ISO/IEC 19794-6:2005. Establishes test assertions of the structure of the iris image data format as specified in ISO/IEC 19794-6:2005 (Type A Level 1 as defined in ISO/IEC 29109-1:2009), - 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), - tests of semantic assertions (Type A Level 3 as defined in ISO/IEC 29109-1:2009).
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Reaffirmation

INCITS/ISO/IEC 29109-7:2011 [R202x], Information technology -- Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 -- Part 7: Signature/sign time series data (reaffirmation of INCITS/ISO/IEC 29109-7:2011 [R2018])
Specifies elements of conformance testing methodology, test assertions, and test procedures as applicable to ISO/IEC 19794-7. Defines two data interchange formats for signature/sign time series data, one for general use and one compact format for use with smart cards and other tokens.
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Reaffirmation

INCITS/ISO/IEC 29109-8:2011 [R202x], Information technology -- Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 -- Part 8: Finger pattern skeletal data (reaffirmation of INCITS/ISO/IEC 29109-8:2011 [R2018])
Specifies elements of conformance testing methodology, test assertions, and test procedures as applicable to ISO/IEC 19794-8:2006. It establishes test assertions of the structure of the finger pattern skeletal data format as specified in ISO/IEC 19794-8:2006 (Type A Level 1 as defined in ISO/IEC 29109-1:2009), 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 29109-9:2011 [R202x], Information technology -- Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 -- Part 9: Vascular image data (reaffirmation of INCITS/ISO/IEC 29109-9:2011 [R2018])
Specifies a data record interchange format for recording, storing, and transmitting one or more hand vascular images. Each image is accompanied by image-specific metadata contained in a header record. ISO/IEC 29109 -9:2011 establishes tests for checking the correctness of the binary record. It defines a testing methodology to ensure conformance of a vendor's application or service to ISO/IEC 19794-9:2007.
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Reaffirmation

INCITS/ISO/IEC 29109-4:2010/COR 1:2011 [R202x], Information technology - Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 - Part 4: Finger image data - Technical Corrigendum 1 (reaffirmation of INCITS/ISO/IEC 29109-4:2010/COR 1:2011 [R2018])
Technical Corrigendum 1 to ISO/IEC 29109-4:2010.
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Reaffirmation

INCITS/ISO/IEC 29142-2:2013 [R202x], Information technology - Print cartridge characterization - Part 2: Cartridge characterization data reporting (reaffirmation of INCITS/ISO/IEC 29142-2:2013 [2018])
Establishes the product and package labelling, and related reporting provisions for toner and ink cartridges used in printing devices that have a digital input printing path, including multi-function devices. It is intended for equipment used in office environments. Defines the information requirements for the cartridge characterization documentation on packaging and cartridges, and in reports.
Single copy price: $60.00
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Reaffirmation

INCITS/ISO/IEC 29142-3:2013 [R202x], Information technology - Print cartridge characterization - Part 3: Environment (reaffirmation of INCITS/ISO/IEC 29142-3:2013 [2018])
Describes the principles and framework for environmental assessment of ink & toner cartridges used in printing devices that have a digital input printing path, including multi-function devices, including: the goals & definitions related to environmental responsibility; guidance to determine the relative benefits of reuse, recycling, recovery, & reduction techniques; identification & prioritization of environmental attributes according to each phase of the cartridge life-cycle; criteria for establishing environmentally sustainable practices.
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Reaffirmation

INCITS/ISO/IEC 30105-1:2016 [R202x], Information technology - IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 1: Process reference model (PRM) (reaffirmation of INCITS/ISO/IEC 30105-1:2016 [2018])
Specifies the lifecycle process requirements performed by the IT-enabled business process outsourcing service provider for the outsourced business processes. It defines the processes to plan, establish, implement, operate, monitor, review, maintain and improve its services. This document covers IT-enabled business processes that are outsourced; is not intended to address IT processes but includes references to them at key touchpoints for completeness; is applicable to the service provider, not to the customer.
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Reaffirmation

INCITS/ISO/IEC 30105-2:2016 [R202x], Information technology - IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 2: Process assessment model (PAM) (reaffirmation of INCITS/ISO/IEC 30105-2:2016 [2018])
Specifies the lifecycle process requirements performed by the IT enabled business process outsourcing service provider for the outsourced business processes. It defines the processes to plan, establish, implement, operate, monitor, review, maintain and improve its services. This document covers IT enabled business processes that are outsourced; is not intended to cover IT services but includes similar, relevant process for completeness; is applicable to the service provider, not to the customer.
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Reaffirmation

INCITS/ISO/IEC 30105-3:2016 [R202x], Information technology - IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 3: Measurement framework (MF) and organization maturity model (OMM) (reaffirmation of INCITS/ISO/IEC 30105-3:2016 [2018])
Specifies the lifecycle process requirements performed by the IT enabled business process outsourcing service provider for the outsourced business processes. It defines the processes to plan, establish, implement, operate, monitor, review, maintain and improve its services. This document covers IT enabled business processes that are outsourced; is not intended to cover IT services but includes similar, relevant process for completeness; is applicable to the service provider, not to the customer.
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Reaffirmation

INCITS/ISO/IEC 30105-5:2016 [R202x], Information technology - IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 5: Guidelines (reaffirmation of INCITS/ISO/IEC 30105-5:2016 [2018])
Specifies the lifecycle process requirements performed by the IT enabled business process outsourcing service provider for the outsourced business processes. It defines the processes to plan, establish, implement, operate, monitor, review, maintain and improve its services. This document covers IT enabled business processes that are outsourced; is not intended to cover IT services but includes similar, relevant process for completeness; is applicable to the service provider, not to the customer.
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Reaffirmation

INCITS/ISO/IEC 38505-1:2017 [R202x], Information technology - Governance of IT - Governance of data - Part 1: Application of ISO/IEC 38500 to the governance of data (reaffirmation of INCITS/ISO/IEC 38505-1:2017 [2018])
Provides guiding principles for members of governing bodies of organizations (which can comprise owners, directors, partners, executive managers, or similar) on the effective, efficient, and acceptable use of data within their organizations.
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Reaffirmation

INCITS/ISO/IEC 2375:2003 [R202x], Information technology -- Procedure for registration of escape sequences and coded character sets (reaffirmation of INCITS/ISO/IEC 2375:2003 [R2018])
Specifies the procedures to be followed for preparing, maintaining, and publishing a register of escape sequences and of the coded character sets they identify.
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Reaffirmation

INCITS/ISO/IEC 10116:2017 [R202x], Information technology - Security techniques - Modes of operation for an n-bit block cipher (reaffirmation of INCITS/ISO/IEC 10116:2017 [2018])
Establishes five modes of operation for applications of an n-bit block cipher (e.g., protection of data during transmission or in storage). The defined modes only provide protection of data confidentiality. Protection of data integrity is not within the scope of this document. Also, most modes do not protect the confidentiality of message length information.
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Reaffirmation

INCITS/ISO/IEC 11544:1993 [R202x], Information technology - Coded representation of picture and audio information - Progressive bi-level image compression (reaffirmation of INCITS/ISO/IEC 11544:1993 [R2018])
Defines a bit-preserving (lossless) compression method for coding image bit-planes and is particularly suitable for bi-level (two-tone, including black-white) images. Specifies requirements and test methods and gives datastream examples.
Single copy price: $105.00
Obtain an electronic copy from: http://webstore.ansi.org
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Reaffirmation

INCITS/ISO/IEC 14473:1999 [R202x], Information technology - Office equipment - Minimum information to be specified for image scanners (reaffirmation of INCITS/ISO/IEC 14473:1999 [R2018])
Intended to facilitate user selection of an image scanner. Specifies the minimum information that shall be included by manufacturers in their specification sheets for scanners and is made for the average end user. For this reason, it does not describe all specifications of scanners with special features. By ensuring consistency of specification of scanner product information, this Standard enables the end user to make meaningful comparisons of machine functionality and performance characteristics.
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Reaffirmation

INCITS/ISO/IEC 15404:2000 [R202x], Information technology - Office machines - Minimum information to be included in specification sheets - Facsimile equipment (reaffirmation of INCITS/ISO/IEC 15404:2000 [R2018])
Intended to facilitate users in selecting facsimile equipment which meets their requirements. Specifies the minimum information that shall be included in the specification sheets of facsimile equipment so that users may compare the characteristics of different machines. Applies to facsimile equipment that could be operated in an office environment. Facsimile equipment requiring specially equipped rooms or specially instructed operators are not considered in this International Standard.
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Reaffirmation

INCITS/ISO/IEC 17203:2017 [R202x], Information technology - Open Virtualization Format (OVF) specification (reaffirmation of INCITS/ISO/IEC 17203:2017 [2018])
Specifies an open, secure, portable, efficient and extensible format for the packaging and distribution of software to be run in virtual machines.
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Reaffirmation

INCITS/ISO/IEC 17825:2016 [R202x], Information technology - Security techniques - Testing methods for the mitigation of non-invasive attack classes against cryptographic modules (reaffirmation of INCITS/ISO/IEC 17825:2016 [2018])
Specifies the non-invasive attack mitigation test metrics for determining conformance to the requirements specified in ISO/IEC 19790 for Security Levels 3 and 4. The test metrics are associated with the security functions specified in ISO/IEC 19790. Testing will be conducted at the defined boundary of the cryptographic module and I/O available at its defined boundary.
Single copy price: $93.00
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Reaffirmation

INCITS/ISO/IEC 18050:2006 [R202x], Information technology - Office equipment - Print quality attributes for machine readable Digital Postage Marks (reaffirmation of INCITS/ISO/IEC 18050:2006 [R2018])
Specifies two methodologies for the measurement of specific print quality attributes of two-dimensional bar code symbols printed within the requirements of Digital Postage Marks. One of these methodologies is applicable to multi-row bar code symbologies and the other to two-dimensional matrix symbologies. Defines methods for grading print quality attributes and deriving an overall assessment of symbol quality. Gives information on possible causes of deviation from optimum grades so as to assist users and postal operators in taking appropriate corrective action.
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Reaffirmation

INCITS/ISO/IEC 19637:2016 [R202x], Information technology - Sensor network testing framework (reaffirmation of INCITS/ISO/IEC 19637:2016 [2018])
Specifies testing framework for conformance test for heterogeneous sensor networks, generic services between test manager (TMR) and test agent (TA) in the testing framework, and guidance for creating testing platform and enabling the test of different sensor network protocols.
Single copy price: $93.00
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Reaffirmation

INCITS/ISO/IEC 19752:2017 [R202x], Information technology - Office equipment - Method for the determination of toner cartridge yield for monochromatic electrophotographic printers and multi-function devices that contain printer components (reaffirmation of INCITS/ISO/IEC 19752:2017 [2018])
This standard is limited to the evaluation of toner cartridge page yield for toner containing cartridges (i.e., all-in-one toner cartridges and toner cartridges without a photoconductor) for monochrome electrophotographic print systems. This document could also be applied to the printer component of any multifunctional device that has a digital input-printing path (i.e., multi-function devices that contain printer components).
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Reaffirmation

INCITS/ISO/IEC 19798:2017 [R202x], Information technology - Office equipment - Method for the determination of toner cartridge yield for colour printers and multi-function devices that contain printer components (reaffirmation of INCITS/ISO/IEC 19798:2017 [2018])
The scope of this standard is limited to evaluation of toner cartridge page yield for toner-containing cartridges (i.e., all-in-one toner cartridges and toner cartridges without a photoconductor) for colour electrophotographic print systems. This document can also be applied to the printer component of any multifunctional device that has a digital input printing path, including multi-function devices that contain electrophotographic printer components.
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Reaffirmation

INCITS/ISO/IEC 19799:2007 [R202x], Information technology - Method of measuring gloss uniformity on printed pages (reaffirmation of INCITS/ISO/IEC 19799:2007 [R2018])
Defines methods and processes for measuring objective print quality attributes for the assessment of gloss non-uniformity on printed pages in reflection mode, and provides transforms, when applicable, that relate the objective results to subjective responses if appropriate. The gloss uniformity attributes included in ISO/IEC 19799:2007 are differential gloss, gloss uniformity within a page, and gloss consistency within a run.
Single copy price: $81.00
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Reaffirmation

INCITS/ISO/IEC 20060:2010 [R202x], Information technology - Open Terminal Architecture (OTA) - Virtual machine (reaffirmation of INCITS/ISO/IEC 20060:2010 [R2018])
Provides the specifications for the standard Open Terminal Architecture (OTA) kernel in several layers: definition of the virtual machine (VM); description of the services provided by the VM to terminal programmers; specification of a set of tokens representing the native machine language of the VM; specification of the format in which token modules are delivered to an OTA kernel for processing.
Single copy price: $116.00
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Reaffirmation

INCITS/ISO/IEC 21117:2012 [R202x], Information technology - Office equipment - Copying machines and multi-function devices - Information to be included in specification sheets and related test methods (reaffirmation of INCITS/ISO/IEC 21117:2012 [R2018])
Specifies the information to be listed in specification sheets for electrophotographic digital copying machines and multi-function devices.
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Reaffirmation

INCITS/ISO/IEC 23271:2012 [R202x], Information technology - Common Language Infrastructure (CLI) (reaffirmation of INCITS/ISO/IEC 23271:2012 [R2018])
Defines the Common Language Infrastructure (CLI) in which applications written in multiple high-level languages can be executed in different system environments without the need to rewrite those applications to take into consideration the unique characteristics of those environments. It consists of six partitions.
Single copy price: $116.00
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Reaffirmation

INCITS/ISO/IEC 24700:2005 [R202x], Quality and performance of office equipment that contains reused components (reaffirmation of INCITS/ISO/IEC 24700:2005 [R2018])
Specifies product characteristics for use in an original equipment manufacturer's or authorized third party's declaration of conformity to demonstrate that a marketed product that contains reused components performs equivalent to new, meeting equivalent to new component specifications and performance criteria, and continues to meet all the safety and environmental criteria required by responsibly built products.
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Reaffirmation

INCITS/ISO/IEC 24712:2007 [R202x], Colour test pages for measurement of office equipment consumable yield (reaffirmation of INCITS/ISO/IEC 24712:2007 [R2018])
Defines colour test pages for the measurement of consumable yield. The test page suite includes four "customer" type documents and one "diagnostic" page that is used to determine end of ink or toner consumable life. These pages can be used for electro-photographic, inkjet printers and multi-function devices that have a digital printing path, i.e., an all-in-one electro-photographic machine that has digital printing capabilities.
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Reaffirmation

INCITS/ISO/IEC 24759:2017 [R202x], Information technology - Security techniques - Test requirements for cryptographic modules (reaffirmation of INCITS/ISO/IEC 24759:2017 [2018])
Specifies the methods to be used by testing laboratories to test whether the cryptographic module conforms to the requirements specified in ISO/IEC 19790:2012. The methods are developed to provide a high degree of objectivity during the testing process and to ensure consistency across the testing laboratories. Also specifies the requirements for information that vendors provide to testing laboratories as supporting evidence to demonstrate their cryptographic modules' conformity to the requirements specified in ISO/IEC 19790:2012.
Single copy price: $116.00
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Reaffirmation

INCITS/ISO/IEC 27042:2015 [R202x], Information technology - Security techniques - Guidelines for the analysis and interpretation of digital evidence (reaffirmation of INCITS/ISO/IEC 27042:2015 [2018])
Provides guidance on the analysis and interpretation of digital evidence in a manner which addresses issues of continuity, validity, reproducibility, and repeatability. It encapsulates best practice for selection, design, and implementation of analytical processes and recording sufficient information to allow such processes to be subjected to independent scrutiny when required. It provides guidance on appropriate mechanisms for demonstrating proficiency and competence of the investigative team.
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Reaffirmation

INCITS/ISO/IEC 29190:2015 [R202x], Information technology - Security techniques - Privacy capability assessment model (reaffirmation of INCITS/ISO/IEC 29190:2015 [2018])
Provides organizations with high-level guidance about how to assess their capability to manage privacy-related processes. Specifies steps in assessing processes to determine privacy capability, specifies a set of levels for privacy capability assessment, provides guidance on the key process areas against which privacy capability can be assessed, provides guidance for those implementing process assessment, and provides guidance on how to integrate the privacy capability assessment into organizations operations.
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Reaffirmation

INCITS/ISO/IEC 40314:2016 [R202x], Information technology - Mathematical Markup Language (MathML) Version 3.0 (reaffirmation of INCITS/ISO/IEC 40314:2016 [2018])
Defines the Mathematical Markup Language, or MathML. MathML is a markup language for describing mathematical notation and capturing both its structure and content.
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Reaffirmation

INCITS/ISO/IEC 18031:2011/COR 1:2014 [R202x], Information technology - Security techniques - Random bit generation - Technical Corrigendum 1 (reaffirmation of INCITS/ISO/IEC 18031:2011/COR 1:2014 [2018])
Technical Corrigendum 1 to ISO/IEC 18031:2011
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Stabilized Maintenance

INCITS 305-1998 [S202x], Information technology - SCSI Enclosure Services (SES) (stabilized maintenance of INCITS 305-1998 [R2018])
Documents the commands and parameters necessary to manage and sense the state of the power supplies, cooling devices, displays, indicators, individual drives, and other non-SCSI elements installed in an enclosure. The command set uses the SCSI SEND DIAGNOSTIC and RECEIVE DIAGNOSTIC RESULTS commands to obtain configuration information for the enclosure and to set and sense standard bits for each type of element that may be installed in the enclosure.
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Stabilized Maintenance

INCITS 305-1998/AM 1-2000 [S202x], Information technology - SCSI Enclosure Services (SES) - Amendment 1 (stabilized maintenance of INCITS 305:1998/AM1:2000 [R2018])
Amendment 1 to INCITS 305-1998/AM 1-2000[R2018].
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Stabilized Maintenance

INCITS 306-1998 [S202x], Information technology - SCSI-3 Block Commands (SBC) (stabilized maintenance of INCITS 306-1998 [R2018])
Defines the command set extensions to facilitate operation of SCSI block devices. The clause(s) of this standard pertaining to the SCSI block device class, implemented in conjunction with the applicable clauses of the ANSI NCITS 301-199X SCSI-3 Primary Commands (SPC), fully specify the standard command set for SCSI block devices.
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Stabilized Maintenance

INCITS 330-2000/AM 1-2003 [S202x], Information technology - Reduced Block Commands (RBC) - Amendment 1 (stabilized maintenance of INCITS 330-2000/AM1-2003 (R2008))
Amendment 1 to INCITS 330-2000.
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INCITS 382-2004 [S202x], Information technology - SCSI Media Changer Command Set, Version 2 (SMC-2) (stabilized maintenance of INCITS 382-2004 [R2018])
Defines the command set extensions for operation of SCSI media changer devices, and command set extensions that allow media changer functions in other types of SCSI devices.
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Stabilized Maintenance

INCITS 451-2008 [S202x], Information technology - AT Attachments-8 ATA/ATAPI Architecture Model (ATA8-AAM) (stabilized maintenance of INCITS 451-2008 [R2018])
Describes the AT Attachment Architectural Model. The purpose of the architecture model is to provide a common basis for the coordination of ATA standards and to define those aspects of ATA system behavior that are independent of a particular technology and common to all implementations.
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Stabilized Maintenance

INCITS 462-2010/AM1-2012 [S202x], Information technology - Fibre Channel - Backbone - 5 (FC-BB-5) - Amendment 1 (stabilized maintenance of INCITS 462-2010/AM1-2012 [R2017])
Amendment 1 to INCITS 462-2010
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Stabilized Maintenance

INCITS 528-2013 [S202x], Information Technology - Common Building Blocks Specification (stabilized maintenance of INCITS 528-2013 [R2018])
The information in this specification should be sufficient for a provider or consumer of this data to unambiguously identify the classes, properties, methods, and values that shall be instantiated to subscribe, advertise, produce, or consume an indication using the DMTF Common Information Model (CIM) Schema.
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INCITS 530-2013 [S202x], Information Technology - Architecture for Managed Computing Systems (stabilized maintenance of INCITS 530-2013 [R2018])
The DMTF Common Information Model (CIM) Infrastructure is an approach to the management of systems and networks that applies the basic structuring and conceptualization techniques of the object-oriented paradigm. The approach uses a uniform modeling formalism that together with the basic repertoire of object-oriented constructs supports the cooperative development of an object-oriented schema across multiple organizations.
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Stabilized Maintenance

INCITS 531-2013 [S202x], Information Technology - Systems Management Discovery for Managed Computer Systems (stabilized maintenance of INCITS 531-2013 [R2018])
This specification describes an efficient method for WBEM Clients to discover WBEM Servers and WBEM Server capabilities.
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Stabilized Maintenance

INCITS/ISO 962:1974 [S202x], Information Processing - Implementation of the 7-Bit Coded Character Set and its 7-Bit and 8-Bit Extensions on 9-Track 12,7 mm (0.5 in) Magnetic Tape (stabilized maintenance of INCITS/ISO 962:1974 [R2018])
Specifies the representation of the 7-bit-code and its 7-bit and 8-bit extensions on an 9-track magnetic tape with a width of 12,7 mm (0,5 in).
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Stabilized Maintenance

INCITS/ISO 2033:1983 [S202x], Information Processing - Coding of Machine Readable Characters (MICR and OCR) (stabilized maintenance of INCITS/ISO 2033:1983 [R2018])
Defines the coded representation of printed characters recognized by reading equipment. Includes the fonts E 13 B; CMC 7; OCR-A; OCR-B. Assigns bit-patterns to characters recognized by reading equipment. This information is then given to the recipient by different media and can be used by printing devices. Single-font reader and multiple-font reader are considered as applications.
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Stabilized Maintenance

INCITS/ISO 3275:1974 [S202x], Information processing -- Implementation of the 7- bit coded character set and its 7- bit and 8- bit extensions on 3,81 mm magnetic cassette for data interchange (stabilized maintenance of INCITS/ISO 3275:1974 [R2018])
Defines the implementation of the 7-bit coded character set and of its 7-bit and 8-bit extentions for the interchange of data on 3.81 mm magnetic tape cassette. References: ISO 646; 2022; 3407.
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Stabilized Maintenance

INCITS/ISO 6586:1980 [S202x], Data processing -- Implementation of the ISO 7- bit and 8- bit coded character sets on punched cards (stabilized maintenance of INCITS/ISO 6586:1980 [R2018])
Defines implementation of ISO 7-bit and 8-bit coded character sets on punched cards as well as the representation of 7-bit and 8-bit combinations on 12-row punched cards. This representation is derived from, and compatible with, the Hollorith Code. Ensures widely compatibility with existing punched card files. Intended for general interchange of information among data processing systems.
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Stabilized Maintenance

INCITS/ISO 9036:1987 [S202x], Information processing -- Arabic 7-bit coded character set for information interchange (stabilized maintenance of INCITS/ISO 9036:1987 [R2018])
A set of mandatory 120 characters is described with the coded representation. This set is intended for interchange of information using Arabic language and includes control characters for code extensions. Procedures for using these control charactres are specified in ISO 2022. References: ISO 646; ISO 2022; Arab Standard ASMO 449.
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Stabilized Maintenance

INCITS/ISO/IEC 8859-1:1998 [S202x], Information technology -- 8-bit single-byte coded graphic character sets -- Part 1: Latin alphabet No. 1 (stabilized maintenance of INCITS/ISO/IEC 8859-1:1998 [R2018])
Specifies a set of 191 coded graphic characters identified as Latin alphabet No. 1. This set of coded graphic characters is intended for use in data and text processing applications and also for information interchange.
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Stabilized Maintenance

INCITS/ISO/IEC 8859-4:1998 [S202x], Information technology -- 8-bit single-byte coded graphic character sets -- Part 4: Latin alphabet No. 4 (stabilized maintenance of INCITS/ISO/IEC 8859-4:1998 [R2018])
Specifies a set of 191 coded graphic characters identified as Latin alphabet No. 4. This set of coded graphic characters is intended for use in data and text processing applications and also for information interchange.
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Stabilized Maintenance

INCITS/ISO/IEC 8859-7:2003 [S202x], Information technology -- 8-bit single-byte coded graphic character sets -- Part 7: Latin/Greek alphabet (stabilized maintenance of INCITS/ISO/IEC 8859-7:2003 [R2018])
Specifies a set of 188 coded graphic characters identified as Latin/Greek alphabet. This set of coded graphic characters is intended for use in data and text processing applications and also for information interchange.
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Stabilized Maintenance

INCITS/ISO/IEC 8859-9:1999 [S202x], Information technology -- 8-bit single-byte coded graphic character sets -- Part 9: Latin alphabet No. 5 (stabilized maintenance of INCITS/ISO/IEC 8859-9:1999 [R2018])
This part of ISO/IEC 8859 specifies a set of 191 coded graphic characters identified as Latin alphabet No. 5. This set of coded graphic characters is intended for use in data and text processing applications and also for information interchange.
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Stabilized Maintenance

INCITS/ISO/IEC 8859-10:1998 [S202x], Information technology -- 8-bit single-byte coded graphic character sets -- Part 10: Latin alphabet No. 6 (stabilized maintenance of INCITS/ISO/IEC 8859-10:1998 [R2018])
This part of ISO/IEC 8859 specifies a set of 191 coded graphic characters identified as Latin alphabet No. 6. This set of coded graphic characters is intended for use in data and text processing applications and also for information interchange.
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Stabilized Maintenance

INCITS/ISO/IEC 8859-11:2001 [S202x], Information technology -- 8-bit single-byte coded graphic character sets -- Part 11: Latin/Thai alphabet (stabilized maintenance of INCITS/ISO/IEC 8859-11:2001 [R2018])
This part of ISO/IEC 8859 specifies a set of 183 coded graphic characters identified as Latin/Thai alphabet. This set of coded graphic characters is intended for use in data and text processing applications and also for information interchange.
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Stabilized Maintenance

INCITS/ISO/IEC 8859-13:1998 [S202x], Information technology -- 8-bit single-byte coded graphic character sets -- Part 13: Latin alphabet No. 7 (stabilized maintenance of INCITS/ISO/IEC 8859-13:1998 [R2018])
This part of ISO/IEC 8859 specifies a set of 191 coded graphic characters identified as Latin alphabet No. 7. This set of coded graphic characters is intended for use in data and text processing applications and also for information interchange.
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Stabilized Maintenance

INCITS/ISO/IEC 8859-14:1998 [S202x], Information technology -- 8-bit single-byte coded graphic character sets -- Part 14: Latin alphabet No. 8 (Celtic) (stabilized maintenance of INCITS/ISO/IEC 8859-14:1998 [R2018])
This part of ISO/IEC 8859 specifies a set of 191 coded graphic characters identified as Latin alphabet No. 8 (Celtic). This set of coded graphic characters is intended for use in data and text processing applications and also for information interchange.
Single copy price: $60.00
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Stabilized Maintenance

INCITS/ISO/IEC 8859-15:1999 [S202x], Information technology -- 8-bit single-byte coded graphic character sets -- Part 15: Latin alphabet No. 9 (stabilized maintenance of INCITS/ISO/IEC 8859-15:1999 [R2018])
Specifies a set of 191 coded graphic characters identified as Latin alphabet No. 9. This set of coded graphic characters is intended for use in data and text processing applications and also for information interchange.
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Stabilized Maintenance

INCITS/ISO/IEC 646:1991 [S202x], Information technology -- ISO 7-bit coded character set for information interchange (stabilized maintenance of INCITS/ISO/IEC 646:1991 [R2018])
Specifies a set of 128 control and graphic characters such as letters, digits and symbols with their coded representation. Applies to alphabets of the Latin script.
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Stabilized Maintenance

INCITS/ISO/IEC 2022:1994 [S202x], Information technology -- Character code structure and extension techniques (stabilized maintenance of INCITS/ISO/IEC 2022:1994 [R2018])
Specifies the structure of 8-bit codes and 7-bit codes which provide for the coding of character sets.
Single copy price: $93.00
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Stabilized Maintenance

INCITS/ISO/IEC 4873:1991 [S202x], Information technology -- ISO 8-bit code for information interchange -- Structure and rules for implementation (stabilized maintenance of INCITS/ISO/IEC 4873:1991 [R2018])
Specifies an 8-bit code which is derived from, and compatible with, the 7-bit coded character set specified in ISO/IEC 646. The normative Annex A gives restrictions applicable to the C0 and C1 sets.
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Stabilized Maintenance

INCITS/ISO/IEC 10367:1991 [S202x], Information Technology - Standardized Coded Graphic Character Sets for Use in 8-Bit Codes (stabilized maintenance of INCITS/ISO/IEC 10367:1991 [R2018])
Specifies a unique coded character set for use as G0 set and a series of coded character sets of up to 96 characters for use as G1, G2 and G3 sets in versions of ISO/IEC 4873.
Single copy price: $93.00
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Stabilized Maintenance

INCITS/ISO/IEC 10538:1991 [S202x], Information technology -- Control functions for text communication (stabilized maintenance of INCITS/ISO/IEC 10538:1991 [R2018])
Defines the control functions and their coded representations. Applies only to text made up of characters. Does not define any control functions required for controlling the process of communication. Annexes A, B, and C are for information only.
Single copy price: $105.00
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Stabilized Maintenance

INCITS/ISO/IEC 11002:2008 [S202x], Information technology - Multipath management API (stabilized maintenance of INCITS/ISO/IEC 11002:2008 [R2018])
An Application Programming Interface (API) which provides management interfaces as defined in ISO/IEC 14776 -453 (Information technology - Small computer system interface (SCSI) - Part 453: Primary commands-3 (SPC-3)) and common vendor-specific extensions to the standard capabilities. ISO/IEC 11002 relates to SCSI multipathing features and excludes multipathing between interconnect devices (such as Fibre Channel switches) and transport specific multipathing (such as iSCSI multiple connections per session).
Single copy price: $105.00
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Stabilized Maintenance

INCITS/ISO/IEC 11989:2010 [S202x], Information technology - iSCSI Management API (stabilized maintenance of INCITS/ISO/IEC 11989:2010 [R2018])
Specifies an Application Programming Interface (API) that provides interfaces to discover and manage iSCSI resources on a system. This International Standard is applicable to vendors who deliver drivers that provide iSCSI resources to a system.
Single copy price: $116.00
Obtain an electronic copy from: http://webstore.ansi.org
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Stabilized Maintenance

INCITS/ISO/IEC 13187:2011 [S202x], Information technology - Server management command line protocol (SM CLP) specification (stabilized maintenance of INCITS/ISO/IEC 13187:2011 [R2018])
Lays out the general framework for the Server Management Command Line Protocol (SM CLP). This standard is intended to guide developers of implementations of the SM CLP and may also be used as a reference by system administrators and other users of SM CLP implementations. It was prepared by SNIA (Storage Networking Industry Association), was adopted, under the fast track procedure.
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Withdrawal

INCITS/ISO/IEC 9541-1:2012 [R2018], Information technology -- Font information interchange -- Part 1: Architecture (withdrawal of INCITS/ISO/IEC 9541-1:2012 [R2018])
Defines a method of naming glyphs and glyph collections, independent of any document encoding technique; it assumes that one or more methods of associating document encoding techniques with glyph identifiers used in font resources will be provided by text processing systems. ISO/IEC 9541-1:2012 specifies the architecture of a font resource, i.e. the font description, font metrics, glyph description and glyph metrics properties required for font references and the interchange of font resources.
Single copy price: $69.00
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Withdrawal

INCITS/ISO/IEC 9541-2:2012 [R2018], Information technology -- Font information interchange -- Part 2: Interchange format (withdrawal of INCITS/ISO/IEC 9541-2:2012 [R2018])
Specifies the architecture of font resources, as well as the formats for font interchange amongst information processing systems. ISO/IEC 9541 also specifies the architecture and formats that can be used to construct font references in general electronic document interchange. ISO/IEC 9541-2:2012 specifies the interchange formats for font information, and the minimum subsets of that information required for interchange. ISO/IEC 9541 -2:2012 requires the property definitions as defined in ISO/IEC 9541-1.
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Withdrawal

INCITS/ISO/IEC 9541-3:2012 [R2018], Information technology -- Font information interchange -- Part 3: Glyph shape representation (withdrawal of INCITS/ISO/IEC 9541-3:2012 [R2018])
Specifies the architecture of font resources, as well as the formats for font interchange among information processing systems. ISO/IEC 9541 also specifies the architecture and formats that can be used to construct font references in general electronic document interchange. ISO/IEC 9541-3:2012 specifies the architecture and interchange formats of glyph shape representations.
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Withdrawal

INCITS/ISO/IEC 9541-4:2009/COR 1:2009 [R2018], Information technology - Font information interchange - Part 4: Harmonization to Open Font Format - Technical Corrigendum 1 (withdrawal of INCITS/ISO/IEC 9541 -4:2009/COR 1:2009 [R2018])
Technical Corrigendum 1 to ISO/IEC 9541-4:2009
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Withdrawal

INCITS/ISO/IEC 13250-6:2010 [R2018], Information technology - Topic Maps - Part 6: Compact syntax (withdrawal of INCITS/ISO/IEC 13250-6:2010 [R2018])
Defines a text-based notation for representing instances of the data model defined in ISO/IEC 13250-2. It also defines a mapping from this notation to the data model. The syntax is defined through an Extended Backus–Naur Form (EBNF) grammar.
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Withdrawal

INCITS/ISO/IEC 19757-3:2016 [2018], Information technology - Document Schema Definition Languages (DSDL) - Part 3: Rule-based validation using Schematron (withdrawal of INCITS/ISO/IEC 19757-3:2016 [2018])
Specifies Schematron, a schema language for XML. This part of ISO/IEC 19757 establishes requirements for Schematron schemas and specifies when an XML document matches the patterns specified by a Schematron schema.
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Withdrawal

INCITS/ISO/IEC 19757-5:2011 [R2018], Information technology -- Document Schema Definition Languages (DSDL) -- Part 5: Extensible Datatypes (withdrawal of INCITS/ISO/IEC 19757-5:2011 [R2018])
Specifies an XML language that allows users to create and extend datatype libraries for their own purposes. The datatype definitions in these libraries can be used by XML validators and other tools to validate content and make comparisons between values.
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Withdrawal

INCITS/ISO/IEC 19757-7:2009 [R2018], Information technology -- Document Schema Definition Languages (DSDL) -- Part 7: Character Repertoire Description Language (CREPDL) (withdrawal of INCITS/ISO/IEC 19757 -7:2009 [R2018])
Defines a set of Document Schema Definition Languages (DSDL) that can be used to specify one or more validation processes performed against Extensible Markup Language (XML) documents. ISO/IEC 19757-7:2009 specifies a Character Repertoire Description Language (CREPDL); a CREPDL schema describes a character repertoire. ISO/IEC 19757-7:2009 introduces kernels and hulls of repertoires, then specifies the syntax of CREPDL schemas and the semantics of a correct CREPDL schema; the semantics specify when a character is in a repertoire described by a CREPDL schema. ISO/IEC 19757-7:2009 defines CREPDL processors and their behaviour. Finally, it describes differences of conformant CREPDL processors, and provides examples of CREPDL schemas.
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Withdrawal

INCITS/ISO/IEC 19757-11:2011 [R2018], Information technology - Document Schema Definition Languages (DSDL) - Part 11: Schema association (withdrawal of INCITS/ISO/IEC 19757-11:2011 [R2018])
Allows schemas using any schema definition language to be associated with an XML document by including one or more processing instructions with a target of xml-model in the document's prolog.
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Withdrawal

INCITS/ISO/IEC 19757-8:2008/COR 1:2011 [R2018], Information technology - Document Schema Definition Languages (DSDL) - Part 8: Document Semantics Renaming Language (DSRL) - Technical Corrigendum 1 (withdrawal of INCITS/ISO/IEC 19757-8:2008/COR 1:2011 [R2018])
Technical Corrigendum 1 to INCITS/ISO/IEC 19757-8:2008
Single copy price: Free
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Withdrawal

INCITS/ISO/IEC 24754-1:2008 [R2018], Information technology -- Document description and processing languages -- Minimum requirements for specifying document rendering systems -- Part 1: Feature specifications for document rendering systems (withdrawal of INCITS/ISO/IEC 24754-1:2008 [R2018])
Provides the minimum requirements for specifying document rendering systems. It can apply to the document processing environment, where a document is given in a logically structured format which is expressed by a structure markup language, and the visual representation of the document is described by means of the external style and layout specifications which a style and layout specifications language provides. The visual representation of the given document is generated when the style and layout specifications are applied to the logical structure by a document rendering system.
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Withdrawal

INCITS/ISO/IEC 24754-1:2008/COR 1:2011 [R2018], Information technology - Document description and processing languages - Minimum requirements for specifying document rendering systems - Part 1: (withdrawal of INCITS/ISO/IEC 24754-1:2008/COR 1:2011 [R2018])
Technical Corrigendum 1 to INCITS/ISO/IEC 24754-1:2008
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Withdrawal

INCITS/ISO/IEC 29500-1:2016 [2018], Information technology -- Document description and processing languages -- Office Open XML File Formats -- Part 1: Fundamentals and Markup Language Reference (withdrawal of INCITS/ISO/IEC 29500-1:2016 [2018])
Defines a set of XML vocabularies for representing word-processing documents, spreadsheets and presentations. On the one hand, the goal of ISO/IEC 29500 is to be capable of faithfully representing the pre-existing corpus of word-processing documents, spreadsheets and presentations that had been produced by the Microsoft Office applications (from Microsoft Office 97 to Microsoft Office 2008, inclusive) at the date of the creation of ISO/IEC 29500. It also specifies requirements for Office Open XML consumers and producers.
Single copy price: $116.00
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Order from: http://webstore.ansi.org
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Withdrawal

INCITS/ISO/IEC 29500-2:2012 [R2018], Information technology - Document description and processing languages - Office Open XML File Formats - Part 2: Open Packaging Conventions (withdrawal of INCITS/ISO/IEC 29500-2:2012 [R2018])
Specifies a set of conventions that are used by Office Open XML documents to define the structure and functionality of a package in terms of a package model and a physical model.
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Withdrawal

INCITS/ISO/IEC 29500-3:2015 [2018], Information technology -- Document description and processing languages -- Office Open XML File Formats -- Part 3: Markup Compatibility and Extensibility (withdrawal of INCITS/ISO/IEC 29500-3:2015 [2018])
Defines a set of conventions for forward compatibility of markup specifications, applicable not only to Office Open XML specifications as described in Parts 1 and 4 of this Standard, but also to other markup specifications. These conventions allow XML documents created by applications of later versions or extensions to be handled by applications of earlier versions.
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Withdrawal

INCITS/ISO/IEC 29500-4:2016 [2018], Information technology -- Document description and processing languages -- Office Open XML File Formats -- Part 4: Transitional Migration Features (withdrawal of INCITS/ISO/IEC 29500-4-2016 [2018])
Defines a set of XML vocabularies for representing word-processing documents, spreadsheets and presentations. On the one hand, the goal of ISO/IEC 29500 is to represent faithfully the existing corpus of word-processing documents, spreadsheets and presentations that have been produced by Microsoft Office applications (from Microsoft Office 97 to Microsoft Office 2008, inclusive). It also specifies requirements for Office Open XML consumers and producers.
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Withdrawal

INCITS/ISO/IEC 7350:1991 [R2018], Information technology -- Registration of repertoires of graphic characters from ISO/IEC 10367 (withdrawal of INCITS/ISO/IEC 7350:1991 [R2018])
Specifies the procedures to be followed in preparing, publishing, and maintaining a register of graphic characters. Annex A (Advisory Group) forms an integral part of this standard. Annex B (Forms for proposal) is for information only.
Single copy price: $60.00
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Withdrawal

INCITS/ISO/IEC 10995:2011 [R2018], Information technology -- Digitally recorded media for information interchange and storage -- Test method for the estimation of the archival lifetime of optical media (withdrawal of INCITS/ISO/IEC 10995:2011 [R2018])
Specifies an accelerated aging test method for estimating the life expectancy for the retrievability of information stored on recordable or rewritable optical disks. This test includes details on the following formats: DVD-R/-RW/-RAM, +R/+RW. It can be applied to additional optical disk formats with the appropriate specification substitutions and can be updated in the future as required.
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Withdrawal

INCITS/ISO/IEC 19756:2011 [R2018], Information technology -- Topic Maps -- Constraint Language (TMCL) (withdrawal of INCITS/ISO/IEC 19756:2011 [R2018])
A constraint language for Topic Maps, allowing definitions of Topic Maps schemas to be written in a precise and machine-readable form. This makes it possible to validate a topic map against a TMCL schema to see if it conforms to the constraints in the schema, and also enables other uses, such as schema-driven editors and object mappings. TMCL is defined as a Topic Maps vocabulary consisting of a number of topic, association, occurrence, and role types, identified by Published Subject Identifiers (PSIs), and defined using English prose. It defines the concept of validation, by which a given topic map is valid according to a schema if it conforms to all the constraints in that schema and a number of global validation rules which apply to all topic maps independent of schema.
Single copy price: $81.00
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Withdrawal

INCITS/ISO/IEC 20648:2016 [2018], Information technology - TLS specification for storage systems (withdrawal of INCITS/ISO/IEC 20648:2016 [2018])
Details the requirements for use of the Transport Layer Security (TLS) protocol in conjunction with data storage technologies.
Single copy price: $60.00
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Withdrawal

INCITS/ISO/IEC 29164:2011 [R2018], Information technology - Biometrics - Embedded BioAPI (withdrawal of INCITS/ISO/IEC 29164:2011 [R2018])
Provides a standard interface to hardware biometric modules designed to be integrated in embedded systems which can be constrained in memory and computational power.
Single copy price: $93.00
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Order from: http://webstore.ansi.org
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Withdrawal

INCITS/ISO/IEC 40180:2017 [2018], Information technology - Quality for Learning, education and training - Fundamentals and Reference Framework - Part 1: General approach (withdrawal of INCITS/ISO/IEC 40180:2017 [2018])
Provides the fundamentals and the reference framework for quality assurance, quality management and quality improvement in IT-enhanced learning, education and training (called E-Learning). It consists mainly of the Quality Reference Framework (QRF) for E-Learning, which is a common and generic framework to describe, specify and understand critical properties, characteristics and metrics of quality. The QRF combines an elaborated and extensive process model with a descriptive model for the processes.
Single copy price: $105.00
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Withdrawal

INCITS/ISO/IEC 26300:2006/COR 1:2010 [R2018], Information technology - Open Document Format for Office Applications (OpenDocument) v1.0 - Technical Corrigendum 1 (withdrawal of INCITS/ISO/IEC 26300:2006/COR 1:2010 [R2018])
Technical Corrigendum 1 to ISO/IEC 26300:2006
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Withdrawal

INCITS/ISO/IEC 26300:2006/AM 1:2012 [R2018], Information technology - Open Document Format for Office Applications (OpenDocument) v1.0 - Amendment 1: Open Document Format for Office Applications (OpenDocument) v1.1 (withdrawal of INCITS/ISO/IEC 26300:2006/AM 1:2012 [R2018])
Amendment 1 to ISO/IEC 26300:2006
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Withdrawal

INCITS/ISO/IEC 26300:2006/COR 2:2011 [R2018], Information technology - Open Document Format for Office Applications (OpenDocument) v1.0 - Technical Corrigendum 2 (withdrawal of INCITS/ISO/IEC 26300:2006/COR 2:2011 [R2018])
Technical Corrigendum 2 to ISO/IEC 26300:2006
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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.

ASABE (American Society of Agricultural and Biological Engineers)

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

ANSI/ASABE AD4254-12-JUL2016 (R2023), Agricultural machinery - Safety - Part 12: Rotary disc and drum mowers and flail mowers (reaffirm a national adoption ANSI/ASABE AD4254-12-JUL2016 (R2020)) Final Action Date: 5/9/2023 | *Reaffirmation*

ANSI/ASABE/ISO 17101-1:2012 JUN2016 (R2023), Agricultural machinery - Thrown-object test and acceptance criteria - Part 1: Rotary mowers (reaffirm a national adoption ANSI/ASABE/ISO 17101-1:2012 JUN2016 (R2020)) Final Action Date: 5/9/2023 | *Reaffirmation*

ANSI/ASABE/ISO 17101-2:2012 JUN2016 (R2023), Agricultural machinery - Thrown-object test and acceptance criteria - Part 2: Flail mowers (reaffirm a national adoption ANSI/ASABE/ISO 17101-2:2012 JUN2016 (R2020)) Final Action Date: 5/9/2023 | *Reaffirmation*

ATIS (Alliance for Telecommunications Industry Solutions)

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

ANSI/ATIS 0300002-2018 (R2023), XML Schema Interface for POTS Service Test (reaffirmation of ANSI/ATIS 0300002 -2018) Final Action Date: 5/11/2023 | *Reaffirmation*

ANSI/ATIS 0300075-2018 (R2023), Usage Data Management Architecture and Protocols Requirements for Packet-Based Application Services (reaffirmation of ANSI/ATIS 0300075-2018) Final Action Date: 5/11/2023 | *Reaffirmation*

ANSI/ATIS 0300209-2018 (R2023), OAM&P - Network Tones and Announcements (reaffirmation of ANSI/ATIS 0300209 -2018) Final Action Date: 5/11/2023 | *Reaffirmation*

ANSI/ATIS 0300211-2018 (R2023), Information Interchange - Structure and Coded Representation of National Security and Emergency Preparedness (NS/EP) Telecommunications Service Priority (TSP) Codes for the North American Telecommunications System (reaffirmation of ANSI/ATIS 0300211-2018) Final Action Date: 5/11/2023 | *Reaffirmation*

ANSI/ATIS 0300247-2018 (R2023), OAM&P - Performance Management Functional Area Services and Information Model for Interfaces between Operations Systems and Network Elements (reaffirmation of ANSI/ATIS 0300247-2018) Final Action Date: 5/11/2023 | *Reaffirmation*

ANSI ATIS 0300208-2013 (S2023), OAM&P - Upper Layer Protocols for Telecommunications Management Network (TMN) Interfaces, 03 and X Interfaces (stabilized maintenance of ANSI ATIS 0300208-2013 (R2018)) Final Action Date: 5/11/2023 | *Stabilized Maintenance*

ANSI ATIS 0300216-2013 (S2023), ISDN Management - Basic Rate Physical Layer (stabilized maintenance of ANSI ATIS 0300216-2013 (R2018)) Final Action Date: 5/11/2023 | *Stabilized Maintenance*

ANSI ATIS 0300217-2013 (S2023), ISDN Management - Primary Rate Physical Later (stabilized maintenance of ANSI ATIS 0300217-2013 (R2018)) Final Action Date: 5/11/2023 | *Stabilized Maintenance*

AWWA (American Water Works Association)

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

ANSI/AWWA C111/A21.11-2023, Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings (revision of ANSI/AWWA C111/A21.11-2017) Final Action Date: 5/11/2023 | *Revision*

BHMA (Builders Hardware Manufacturers Association)

355 Lexington Avenue, 15th Floor, New York, NY 10017-6603 | Kbishop@Kellencompany.com, www.buildershardware.

ANSI/BHMA A156.16-2023, Standard for Auxiliary Hardware (revision of ANSI/BHMA A156.16-2013 (R2018)) Final Action Date: 5/11/2023 | *Revision*

CSA (CSA America Standards Inc.)

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

ANSI/CSA HGV 2-2023, Compressed hydrogen gas vehicle fuel containers (revision of ANSI/CSA HGV 2-2021) Final Action Date: 5/11/2023 | *Revision*

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

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

ANSI/ASSE 1003/CSA B356-2023, Water pressure reducing valves for potable water distribution systems (revision and redesignation of ANSI/ASSE 1003-2020) Final Action Date: 5/15/2023 | *Revision*

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 | Khaled.Masri@nema.org, www.nema.org

ANSI/ICEA T-25-425-2023, Guide for Establishing Stability of Volume Resistivity for Semiconducting Polymeric Components of Power Cables (new standard) Final Action Date: 5/11/2023 | *New Standard*

NEMA (National Electrical Manufacturers Association)

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

ANSI/NEMA MW 1000-2023, Magnet Wire (revision of ANSI/NEMA MW 1000-2020) Final Action Date: 5/11/2023 | *Revision*

RESNET (Residential Energy Services Network, Inc.)

P.O. Box 4561, Oceanside, CA 92052 | rick.dixon@resnet.us, www.resnet.us.com

ANSI/RESNET/ICC 380-2023 Addendum A-2023, Reference Standards (addenda to ANSI/RESNET/ICC 380-2022) Final Action Date: 5/8/2023 | *Addenda*

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | raji.ghandour@ul.org, https://ulse.org/

ANSI/UL 887-2004 (R2023), Standard for Safety for Delayed-Action Timelocks (reaffirmation of ANSI/UL 887-2004 (R2018)) Final Action Date: 5/10/2023 | *Reaffirmation*

ANSI/UL 969-2018 (R2023), Standard for Safety for Marking and Labeling Systems (reaffirmation of ANSI/UL 969-2018) Final Action Date: 5/9/2023 | *Reaffirmation*

ANSI/UL 62841-3-13-2018 (R2023), UL Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-13: Particular Requirements for Transportable Drills (reaffirmation of ANSI/UL 62841-3-13-2018) Final Action Date: 5/10/2023 | *Reaffirmation*

ANSI/UL 96-2023, Standard for Safety for Lightning Protection Components (revision of ANSI/UL 96-2020) Final Action Date: 5/9/2023 | *Revision*

ANSI/UL 651A-2023, Schedule 40 and 80 High Density Polyethylene (HDPE) Conduit (revision of ANSI/UL 651A-2017) Final Action Date: 5/10/2023 | *Revision*

ULSE (UL Standards & Engagement)

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

ANSI/UL 1008A-2023, Standard for Safety for Transfer Switch Equipment, Over 1000 Volts (revision of ANSI/UL 1008A -2020) Final Action Date: 5/10/2023 | *Revision*

ANSI/UL 1990-2023, Nonmetallic Underground Conduit with Conductors (revision of ANSI/UL 1990-2017) Final Action Date: 5/10/2023 | *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.

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AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Arlington, VA 22203 | mmiskell@aami.org, www.aami.org

BSR/AAMI/CDV-2 EQ56-202x, Standard for a medical equipment management program (revision of ANSI/AAMI EQ56-1999 (R2008))

AIAA (American Institute of Aeronautics and Astronautics)

12700 Sunrise Valley Drive, Suite 200, Reston, VA 20191-5807 | NickT@aiaa.org, www.aiaa.org

BSR/AIAA S-157-202x, In-Space Storable Fluid Transfer (new standard)

AIAA (American Institute of Aeronautics and Astronautics)

12700 Sunrise Valley Drive, Suite 200, Reston, VA 20191-5807 | NickT@aiaa.org, www.aiaa.org

BSR/AIAA S-158-202x, Rendezvous and Proximity Operations (RPO) and On Orbit Servicing (OOS) - Prepared Free-Flyer Capture and Release (new standard)

AMCi (AMC Institute)

107 South West Street, Suite 481, Alexandria, VA 22314 | tpigg@amcinstitute.org, www.amcinstitute.org

BSR/AMCi A100.1-2018, The Standard of Good Practices for Association Management Companies (revision of ANSI/AMCi A100.1-2018)

ASA (ASC S3) (Acoustical Society of America)

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

BSR S3.71 (R202x), Methods for Measuring the Effect of Head-worn Devices on Directional Sound Localization in the Horizontal Plane (reaffirmation of ANSI/ASA S3.71-2019)

ASA (ASC S3) (Acoustical Society of America)

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

BSR S3.21-202x, Methods for Manual Pure-Tone Threshold Audiometry (reaffirmation of ANSI/ASA S3.21-2004 (R2019))

ASA (ASC S3) (Acoustical Society of America)

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

BSR/ASA S3.47-2014 (R202x), Specification of Performance Measurement of Hearing Assistance Devices/Systems (reaffirmation of ANSI/ASA S3.47-2014 (R2019))

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 TES-1-202x, Safety Standard for Thermal Energy Storage Systems: Molten Salt (revision of ANSI/ASME TES-1-2020)

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-42C-2012 (R202x), Impact Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364 -42C-2012 (R2018))

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-54A-1999 (R202x), Magnetic Permeability Test Procedure for Electrical Connectors, Contacts, and Sockets (reaffirmation of ANSI/EIA 364-54A-1999 (R2018))

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-95-1999 (R202x), Full Mating and Mating Stability Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-95-1999 (R2018))

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-99-1999 (R202x), Gage Location and Retention Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-99-1999 (R2018))

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13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-102-1998 (R202x), Rise Time Degradation Test Procedure for Electrical Connectors, Sockets, Cable Assemblies or Interconnection Systems (reaffirmation of ANSI/EIA 364-102-1998 (R2018))

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-103-1998 (R202x), Propagation Delay Test Procedure for Electrical Connectors, Sockets, Cable Assemblies or Interconnection Systems (reaffirmation of ANSI/EIA 364-103-1998 (R2018))

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INCITS 305-1998 [S202x], Information technology - SCSI Enclosure Services (SES) (stabilized maintenance of INCITS 305-1998 [R2018])

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INCITS 305-1998/AM 1-2000 [S202x], Information technology - SCSI Enclosure Services (SES) - Amendment 1 (stabilized maintenance of INCITS 305:1998/AM1:2000 [R2018])

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INCITS 306-1998 [S202x], Information technology - SCSI-3 Block Commands (SBC) (stabilized maintenance of INCITS 306-1998 [R2018])

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INCITS 330-2000/AM 1-2003 [S202x], Information technology - Reduced Block Commands (RBC) - Amendment 1 (stabilized maintenance of INCITS 330-2000/AM1-2003 (R2008))

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INCITS 382-2004 [S202x], Information technology - SCSI Media Changer Command Set, Version 2 (SMC-2) (stabilized maintenance of INCITS 382-2004 [R2018])

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INCITS 383-2008 [R202x], Information Technology - Biometric Profile - Interoperability and Data Interchange - Biometrics Based Verification and Identification of Transportation Workers (reaffirmation of INCITS 383-2008 [R2018])

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

INCITS 398-2008 [R202x], Information technology - Common Biometric Exchange Formats Framework (CBEFF) (reaffirmation of INCITS 398-2008 [R2018])

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

INCITS 423.1-2008 [R202x], Information technology - Conformance Testing Methodology Standard for Biometric Data Interchange Format Standards - Part 1: Generalized Conformance Testing Methodology (reaffirmation of INCITS 423.1-2008 [R2018])

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

INCITS 423.2-2008 [R202x], Information technology - Conformance Testing Methodology Standard for Biometric Data Interchange Format Standards - Part 2: Conformance Testing Methodology for INCITS 378-2004, Finger Minutiae Format for Data Interchange (reaffirmation of INCITS 423.2-2008 [R2018])

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

INCITS 429-2008 [R202x], Information technology - Conformance Testing Methodology for INCITS 358-2002, BioAPI Specification (reaffirmation of INCITS 429-2008 [R2018])

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

INCITS 446-2008 [R202x], Information Technology - Identifying Attributes for Named Physical and Cultural Geographic Features (Except Roads and Highways) of the United States, Territories, Outlying Areas, and Freely Associated Areas, and the Waters of the Same to the Limit of the Twelve-Mile Statutory Zone (reaffirmation of INCITS 446-2008 [R2018])

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INCITS 451-2008 [S202x], Information technology - AT Attachments-8 ATA/ATAPI Architecture Model (ATA8-AAM) (stabilized maintenance of INCITS 451-2008 [R2018])

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INCITS 462-2010/AM1-2012 [S202x], Information technology - Fibre Channel - Backbone - 5 (FC-BB-5) - Amendment 1 (stabilized maintenance of INCITS 462-2010/AM1-2012 [R2017])

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INCITS 481-2011/AM1-2018 [R202x], Information technology - Fibre Channel Protocol for SCSI - 4 (FCP-4) - Amendment 1 (reaffirmation of INCITS 481-2011/AM1-2018)

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INCITS 487-2018 [R202x], Information technology - Fibre Channel - Link Services - 3 (FC-LS-3) (reaffirmation of INCITS 487-2018)

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INCITS 504-1-2013 [R202x], Information Technology - Generic Identity Command Set - (GICS) - Part 1: Card Application Command Set (reaffirmation of INCITS 504-1:2013 [R2018])

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INCITS 504-2-2013 [R202x], Information technology - Generic Identity Command Set (GICS) - Part 2: Card Administrative Command Set (reaffirmation of INCITS 504-2-2013 [R2018])

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INCITS 504-4-2013 [R202x], Information technology - Generic Identity Command Set (GICS) - Part 4: Card Application Profile Template (reaffirmation of INCITS 504-4-2013 [R2018])

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INCITS 505-2013 [R202x], Information technology - SAS Protocol Layer - 2 (SPL-2) (reaffirmation of INCITS 505 -2013 [R2018])

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INCITS 516-2013 [R202x], Information technology - SCSI Stream Commands (SSC-4) (reaffirmation of INCITS 516 -2013 [R2018])

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INCITS 522-2014/AM 1-2018 [R202x], Information technology - ATA/ATAPI Command Set - 3 (ACS-3) - Amendment 1 (reaffirmation of INCITS 522-2014/AM 1-2018)

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INCITS 528-2013 [S202x], Information Technology - Common Building Blocks Specification (stabilized maintenance of INCITS 528-2013 [R2018])

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INCITS 529-2018 [R202x], Information technology - ATA/ATAPI Command Set - 4 (ACS-4) (reaffirmation of INCITS 529-2018)

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INCITS 530-2013 [S202x], Information Technology - Architecture for Managed Computing Systems (stabilized maintenance of INCITS 530-2013 [R2018])

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INCITS 531-2013 [S202x], Information Technology - Systems Management Discovery for Managed Computer Systems (stabilized maintenance of INCITS 531-2013 [R2018])

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INCITS 538-2018 [R202x], Information technology - SAS Protocol Layer - 4 (SPL-4) (reaffirmation of INCITS 538 -2018)

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INCITS 540-2018 [R202x], Information technology - Fibre Channel - Non-Volatile Memory Express (FC-NVMe) (reaffirmation of INCITS 540-2018)

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INCITS 544-2018 [R202x], Information technology - Fibre Channel - Single Byte Command Code Sets Mapping Protocol - 6 (FC-SB-6) (reaffirmation of INCITS 544-2018)

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INCITS/ISO 19135-1:2015 [R202x], Geographic information - Procedures for item registration - Part 1: Fundamentals (reaffirmation of INCITS/ISO 19135-1:2015 [2018])

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INCITS/ISO 19144-2:2012 [R202x], Geographic information - Classification systems - Part 2: Land Cover Meta Language (LCML) (reaffirmation of INCITS/ISO 19144-2:2012 [R2018])

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INCITS/ISO 19144-1:2009/COR 1:2012 [R202x], Geographic information - Classification systems - Part 1: Classification system structure - Technical Corrigendum 1 (reaffirmation of INCITS/ISO 19144-1:2009/COR 1:2012 [R2018])

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INCITS/ISO 962:1974 [S202x], Information Processing - Implementation of the 7-Bit Coded Character Set and its 7-Bit and 8-Bit Extensions on 9-Track 12,7 mm (0.5 in) Magnetic Tape (stabilized maintenance of INCITS/ISO 962:1974 [R2018])

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INCITS/ISO 2033:1983 [S202x], Information Processing - Coding of Machine Readable Characters (MICR and OCR) (stabilized maintenance of INCITS/ISO 2033:1983 [R2018])

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INCITS/ISO 3275:1974 [S202x], Information processing -- Implementation of the 7- bit coded character set and its 7- bit and 8- bit extensions on 3,81 mm magnetic cassette for data interchange (stabilized maintenance of INCITS/ISO 3275:1974 [R2018])

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INCITS/ISO 6586:1980 [S202x], Data processing -- Implementation of the ISO 7- bit and 8- bit coded character sets on punched cards (stabilized maintenance of INCITS/ISO 6586:1980 [R2018])

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INCITS/ISO 9036:1987 [S202x], Information processing -- Arabic 7-bit coded character set for information interchange (stabilized maintenance of INCITS/ISO 9036:1987 [R2018])

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INCITS/ISO 19104:2016 [R202x], Geographic information - Terminology (reaffirmation of INCITS/ISO 19104:2016 [2018])

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INCITS/ISO 19108:2002 [R202x], Geographic information - Temporal schema (reaffirmation of INCITS/ISO 19108:2002 [R2018])

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INCITS/ISO 19109:2015 [R202x], Geographic information - Rules for application schema (reaffirmation of INCITS/ISO 19109:2015 [2018])

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INCITS/ISO 19110:2016 [R202x], Geographic information - Methodology for feature cataloguing (reaffirmation of INCITS/ISO 19110:2016 [2018])

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INCITS/ISO 19117:2012 [R202x], Geographic information - Portrayal (reaffirmation of INCITS/ISO 19117:2012 [R2018])

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INCITS/ISO 19119:2016 [R202x], Geographic information - Services (reaffirmation of INCITS/ISO 19119:2016 [2018])

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INCITS/ISO 19132:2007 [R202x], Geographic information - Location-based services - Reference model (reaffirmation of INCITS/ISO 19132:2007 [R2018])

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INCITS/ISO 19141:2008 [R202x], Geographic information - Schema for moving features (reaffirmation of INCITS/ISO 19141:2008 [R2018])

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INCITS/ISO/IEC 7501-2:1997 [R202x], Identification Cards - Machine Readable Travel Documents - Part 2: Machine Readable Visa (reaffirmation of INCITS/ISO/IEC 7501-2:1997 [R2018])

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INCITS/ISO/IEC 7816-2:2007 [R202x], Identification cards - Integrated circuit cards - Part 2: Cards with contacts - Dimensions and location of the contacts (reaffirmation of INCITS/ISO/IEC 7816-2:2007 [R2018])

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INCITS/ISO/IEC 7816-12:2005 [R202x], Identification cards - Integrated circuit cards - Part 12: Cards with contacts - USB electrical interface and operating procedures (reaffirmation of INCITS/ISO/IEC 7816-12:2005 [R2018])

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INCITS/ISO/IEC 7816-13:2007 [R202x], Identification cards - Integrated circuit cards - Part 13: Commands for application management in multi-application environment (reaffirmation of INCITS/ISO/IEC 7816-13:2007 [R2018])

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INCITS/ISO/IEC 8859-1:1998 [S202x], Information technology -- 8-bit single-byte coded graphic character sets -- Part 1: Latin alphabet No. 1 (stabilized maintenance of INCITS/ISO/IEC 8859-1:1998 [R2018])

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INCITS/ISO/IEC 8859-4:1998 [S202x], Information technology -- 8-bit single-byte coded graphic character sets -- Part 4: Latin alphabet No. 4 (stabilized maintenance of INCITS/ISO/IEC 8859-4:1998 [R2018])

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INCITS/ISO/IEC 8859-7:2003 [S202x], Information technology -- 8-bit single-byte coded graphic character sets -- Part 7: Latin/Greek alphabet (stabilized maintenance of INCITS/ISO/IEC 8859-7:2003 [R2018])

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INCITS/ISO/IEC 8859-9:1999 [S202x], Information technology -- 8-bit single-byte coded graphic character sets -- Part 9: Latin alphabet No. 5 (stabilized maintenance of INCITS/ISO/IEC 8859-9:1999 [R2018])

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INCITS/ISO/IEC 8859-10:1998 [S202x], Information technology -- 8-bit single-byte coded graphic character sets -- Part 10: Latin alphabet No. 6 (stabilized maintenance of INCITS/ISO/IEC 8859-10:1998 [R2018])

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INCITS/ISO/IEC 8859-11:2001 [S202x], Information technology -- 8-bit single-byte coded graphic character sets -- Part 11: Latin/Thai alphabet (stabilized maintenance of INCITS/ISO/IEC 8859-11:2001 [R2018])

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INCITS/ISO/IEC 8859-13:1998 [S202x], Information technology -- 8-bit single-byte coded graphic character sets -- Part 13: Latin alphabet No. 7 (stabilized maintenance of INCITS/ISO/IEC 8859-13:1998 [R2018])

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INCITS/ISO/IEC 8859-14:1998 [S202x], Information technology -- 8-bit single-byte coded graphic character sets -- Part 14: Latin alphabet No. 8 (Celtic) (stabilized maintenance of INCITS/ISO/IEC 8859-14:1998 [R2018])

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INCITS/ISO/IEC 8859-15:1999 [S202x], Information technology -- 8-bit single-byte coded graphic character sets -- Part 15: Latin alphabet No. 9 (stabilized maintenance of INCITS/ISO/IEC 8859-15:1999 [R2018])

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INCITS/ISO/IEC 9075-3:2016 [R202x], Information technology - Database languages - SQL - Part 3: Call-Level Interface (SQL/CLI) (reaffirmation of INCITS/ISO/IEC 9075-3:2016 [2018])

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INCITS/ISO/IEC 9281-1:1990 [R202x], Information technology - Picture coding methods - Part 1: Identification (reaffirmation of INCITS/ISO/IEC 9281-1:1990 [R2018])

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INCITS/ISO/IEC 9281-2:1990 [R202x], Information technology - Picture coding methods - Part 2: Procedure for registration (reaffirmation of INCITS/ISO/IEC 9281-2:1990 [R2018])

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INCITS/ISO/IEC 9282-1:1988 [R202x], Information processing - Coded representation of pictures - Part 1: Encoding principles for picture representation in a 7-bit or 8-bit environment (reaffirmation of INCITS/ISO/IEC 9282-1:1988 [R2018])

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INCITS/ISO/IEC 9541-1:2012 [R2018], Information technology -- Font information interchange -- Part 1: Architecture (withdrawal of INCITS/ISO/IEC 9541-1:2012 [R2018])

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INCITS/ISO/IEC 9541-2:2012 [R2018], Information technology -- Font information interchange -- Part 2: Interchange format (withdrawal of INCITS/ISO/IEC 9541-2:2012 [R2018])

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INCITS/ISO/IEC 9541-3:2012 [R2018], Information technology -- Font information interchange -- Part 3: Glyph shape representation (withdrawal of INCITS/ISO/IEC 9541-3:2012 [R2018])

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INCITS/ISO/IEC 9541-4:2009/COR 1:2009 [R2018], Information technology - Font information interchange - Part 4: Harmonization to Open Font Format - Technical Corrigendum 1 (withdrawal of INCITS/ISO/IEC 9541-4:2009/COR 1:2009 [R2018])

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INCITS/ISO/IEC 9593-4:1991/AM 2:1998 [R202x], Information technology - Computer graphics - Programmers Hierarchical Interactive Graphics System (PHIGS) language bindings - Part 4: C - Amendment 2 (reaffirmation of INCITS/ISO/IEC 9593-4:1991/AM 2:1998 [R2018])

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INCITS/ISO/IEC 9796-3:2006 [R202x], Information Technology - Security Techniques - Digital Signature Schemes Giving Message Recovery - Part 3: Discrete Logarithm Based Mechanisms (reaffirmation of INCITS/ISO/IEC 9796 -3:2006 [R2018])

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INCITS/ISO/IEC 10175-1:1996 [R202x], Information Technology - Text and Office Systems - Document Printing Application (DPA) - Part 1: Abstract Service Definition and Procedures (reaffirmation of INCITS/ISO/IEC 10175 -1:1996 [R2018])

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INCITS/ISO/IEC 10175-2:1996 [R202x], Information Technology - Text and Office Systems - Document Printing Application (DPA) - Part 2: Protocol Specification (reaffirmation of INCITS/ISO/IEC 10175-2:1996 [R2018])

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INCITS/ISO/IEC 10536-1:2000 [R202x], Identification cards - Contactless integrated circuit(s) cards - Close coupled cards - Part 1: Physical characteristics (reaffirmation of INCITS/ISO/IEC 10536-1:2000 [R2018])

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INCITS/ISO/IEC 10536-3:1996 [R202x], Identification cards - Contactless integrated circuit(s) cards - Part 3: Electronic signals and Reset Procedures (reaffirmation of INCITS/ISO/IEC 10536-3:1996 [R2018])

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INCITS/ISO/IEC 10918-1:1994 [R202x], Information technology - Digital compression and coding of continuous-tone still images: Requirements and guidelines (reaffirmation of INCITS/ISO/IEC 10918-1:1994 [R2018])

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INCITS/ISO/IEC 10918-2:1995 [R202x], Information technology - Digital compression and coding of continuous-tone still images: Compliance testing (reaffirmation of INCITS/ISO/IEC 10918-2:1995 [R2018]])

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INCITS/ISO/IEC 11172-1:1993 [R202x], Information Technology - Coding of Moving Pictures and Associated Audio for Digital Storage Media at up to about 1,5 Mbit/s - Part 1: Systems (reaffirmation of INCITS/ISO/IEC 11172 -1:1993 [R2018])

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INCITS/ISO/IEC 11172-2:1993 [R202x], Information Technology - Coding of Moving Pictures and Associated Audio for Digital Storage Media at up to about 1,5 Mbit/s - Part 2: Video (reaffirmation of INCITS/ISO/IEC 11172-2:1993 [R2018])

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INCITS/ISO/IEC 11172-4:1995 [R202x], Information technology - Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s - Part 4: Compliance testing (reaffirmation of INCITS/ISO/IEC 11172-4:1995 [R2018])

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INCITS/ISO/IEC 11770-1:2010 [R202x], Information technology - Security techniques - Key management - Part 1: Framework (reaffirmation of INCITS/ISO/IEC 11770-1:2010 [R2018])

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INCITS/ISO/IEC 11770-4:2017 [R202x], Information technology - Security techniques - Key management - Part 4: Mechanisms based on weak secrets (reaffirmation of INCITS/ISO/IEC 11770-4:2017 [2018])

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INCITS/ISO/IEC 13250-6:2010 [R2018], Information technology - Topic Maps - Part 6: Compact syntax (withdrawal of INCITS/ISO/IEC 13250-6:2010 [R2018])

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INCITS/ISO/IEC 14495-2:2003 [R202x], Information Technology - Lossless and near-lossless compression of continuous-tone still images - Part 2: Extensions (reaffirmation of INCITS/ISO/IEC 14495-2:2003 [R2018])

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INCITS/ISO/IEC 14496-5:2001 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software (reaffirmation of INCITS/ISO/IEC 14496-5:2001 [R2018])

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INCITS/ISO/IEC 14496-5:2001/AM 1:2002 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 1: Reference software for MPEG-4 (reaffirmation of INCITS/ISO/IEC 14496 -5:2001/AM 1:2002 [R2018])

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INCITS/ISO/IEC 14496-5:2001/AM 2:2003 [R202x], Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 2: MPEG-4 reference software extensions for XMT and media nodes (reaffirmation of INCITS/ISO/IEC 14496-5:2001/AM 2:2003 [R2018])

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INCITS/ISO/IEC 14776-112:2002 [R202x], Information technology - Small Computer System Interface (SCSI) - Part 112: Parallel Interface-2 (SPI-2) (reaffirmation of INCITS/ISO/IEC 14776-112:2002 [2018])

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INCITS/ISO/IEC 14776-153:2015 [R202x], Information technology - Small Computer System Interface (SCSI) - Part 153: Serial Attached SCSI - 2.1 (SAS-2.1) (reaffirmation of INCITS/ISO/IEC 14776-153:2015 [2018])

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INCITS/ISO/IEC 14776-222:2005 [R202x], Information technology - Small Computer System Interface (SCSI) - Part 222: Fibre Channel Protocol for SCSI, Second Version (FCP-2) (reaffirmation of INCITS/ISO/IEC 14776-222:2005 [2018])

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INCITS/ISO/IEC 14776-326:2015 [R202x], Information technology - Small Computer System Interface (SCSI) - Part 326: Reduced block commands (RBC) (reaffirmation of INCITS/ISO/IEC 14776-326:2015 [2018])

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INCITS/ISO/IEC 14776-331:2002 [R202x], Information technology - Small Computer System Interface (SCSI) - Part 331: Stream Commands (SSC) (reaffirmation of INCITS/ISO/IEC 14776-331:2002 [2018])

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INCITS/ISO/IEC 14776-351:2007 [R202x], Information technology - Small Computer System Interface (SCSI) - Part 351: Medium Changer Commands (SCSI-3 SMC) (reaffirmation of INCITS/ISO/IEC 14776-351:2007 [2018])

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INCITS/ISO/IEC 14776-362:2006 [R202x], Information technology - Small Computer System Interface (SCSI) - Part 362: Multimedia commands-2 (MMC-2) (reaffirmation of INCITS/ISO/IEC 14776-362:2006 [2018])

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INCITS/ISO/IEC 14776-412:2006 [R202x], Information technology - Small Computer System Interface (SCSI) - Part 412: Architecture Model -2 (SAM-2) (reaffirmation of INCITS/ISO/IEC 14776-412:2006 [2018])

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INCITS/ISO/IEC 14888-2:2008/COR 1:2015 [R202x], Information technology - Security techniques - Digital signatures with appendix - Part 2: Integer factorization based mechanisms - Technical Corrigendum 1: To ISO/IEC 14888-2:2008 (reaffirmation of INCITS/ISO/IEC 14888-2:2008/COR 1:2015 [2018])

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INCITS/ISO/IEC 15444-3:2007 [R202x], Information technology - JPEG 2000 image coding system - Part 3: Motion JPEG 2000 (reaffirmation of INCITS/ISO/IEC 15444-3:2007 [R2018])

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INCITS/ISO/IEC 15457-2:2007 [R202x], Identification cards - Thin flexible cards - Part 2: Magnetic recording technique (reaffirmation of INCITS/ISO/IEC 15457-2:2007 [R2018])

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INCITS/ISO/IEC 15938-5:2003 [R202x], Information technology - Multimedia content description interface - Part 5: Multimedia description schemes (reaffirmation of INCITS/ISO/IEC 15938-5:2003 [R2018])

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INCITS/ISO/IEC 15938-7:2003 [R202x], Information technology - Multimedia content description interface - Part 7: Conformance testing (reaffirmation of INCITS/ISO/IEC 15938-7:2003 [R2018])

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INCITS/ISO/IEC 18014-4:2015 [R202x], Information technology - Security techniques - Time-stamping services - Part 4: Traceability of time sources (reaffirmation of INCITS/ISO/IEC 18014-4:2015 [2018])

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INCITS/ISO/IEC 18033-2:2006 [R202x], Information technology - Security techniques - Encryption algorithms - Part 2: Asymmetric ciphers (reaffirmation of INCITS/ISO/IEC 18033-2:2006 [R2018])

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INCITS/ISO/IEC 19757-3:2016 [2018], Information technology - Document Schema Definition Languages (DSDL) - Part 3: Rule-based validation using Schematron (withdrawal of INCITS/ISO/IEC 19757-3:2016 [2018])

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INCITS/ISO/IEC 19757-5:2011 [R2018], Information technology -- Document Schema Definition Languages (DSDL) -- Part 5: Extensible Datatypes (withdrawal of INCITS/ISO/IEC 19757-5:2011 [R2018])

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INCITS/ISO/IEC 19757-7:2009 [R2018], Information technology -- Document Schema Definition Languages (DSDL) -- Part 7: Character Repertoire Description Language (CREPDL) (withdrawal of INCITS/ISO/IEC 19757-7:2009 [R2018])

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INCITS/ISO/IEC 19757-11:2011 [R2018], Information technology - Document Schema Definition Languages (DSDL) - Part 11: Schema association (withdrawal of INCITS/ISO/IEC 19757-11:2011 [R2018])

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INCITS/ISO/IEC 19757-8:2008/COR 1:2011 [R2018], Information technology - Document Schema Definition Languages (DSDL) - Part 8: Document Semantics Renaming Language (DSRL) - Technical Corrigendum 1 (withdrawal of INCITS/ISO/IEC 19757-8:2008/COR 1:2011 [R2018])

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INCITS/ISO/IEC 19777-1:2006 [R202x], Information technology - Computer graphics and image processing - Extensible 3D (X3D) language bindings - Part 1: ECMA Script (reaffirmation of INCITS/ISO/IEC 19777-1:2006 [R2018])

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INCITS/ISO/IEC 19777-2:2006 [R202x], Information Technology - Computer Graphics and Image Processing - Extensible 3D (X3D) Language Bindings - Part 2: Java (reaffirmation of INCITS/ISO/IEC 19777-2:2006 [R2018])

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INCITS/ISO/IEC 19784-1:2018 [R202x], Information technology - Biometric application programming interface - Part 1: BioAPI specification (reaffirmation of INCITS/ISO/IEC 19784-1:2018 [2018])

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INCITS/ISO/IEC 19784-4:2011/COR1:2013 [R202x], Information technology - Biometric application programming interface - Part 4: Biometric sensor function provider interface - Technical Corrigendum 1 (reaffirmation of INCITS/ISO/IEC 19784-4:2011/COR1:2013 [R2018])

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INCITS/ISO/IEC 19794-4:2011 [R202x], Information technology - Biometric data interchange formats - Part 4: Finger image data (reaffirmation of INCITS/ISO/IEC 19794-4:2011 [R2018])

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INCITS/ISO/IEC 19794-5:2011 [R202x], Information technology - Biometric data interchange formats - Part 5: Face image data (reaffirmation of INCITS/ISO/IEC 19794-5:2011 [R2018])

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INCITS/ISO/IEC 19794-6:2011 [R202x], Information technology - Biometric data interchange formats - Part 6: Iris image data (reaffirmation of INCITS/ISO/IEC 19794-6:2011 [R2018])

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INCITS/ISO/IEC 19794-9:2011 [R202x], Information technology - Biometric data interchange formats - Part 9: Vascular image data (reaffirmation of INCITS/ISO/IEC 19794-9:2011 [R2018])

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INCITS/ISO/IEC 19794-11:2013 [R202x], Information technology - Biometric data interchange formats - Part 11: Signature/sign processed dynamic data (reaffirmation of INCITS/ISO/IEC 19794-11:2013 [R2018])

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INCITS/ISO/IEC 19794-4:2005/COR1:2011 [R202x], Information technology - Biometric data interchange formats - Part 4: Finger image data - Technical Corrigendum 1 (reaffirmation of INCITS/ISO/IEC 19794-4:2005/COR1:2011 [R2018])

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INCITS/ISO/IEC 19794-8:2006/COR1:2011 [R202x], Information technology - Biometric data interchange formats - Part 8: Finger pattern skeletal data - Technical Corrigendum 1 (reaffirmation of INCITS/ISO/IEC 19794 -8:2006/COR1:2011 [R2018])

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INCITS/ISO/IEC 19794-9:2011/AM 1:2013 [R202x], Information technology - Biometric data interchange formats - Part 9: Vascular image data - Amendment 1: Conformance testing methodology (reaffirmation of INCITS/ISO/IEC 19794-9:2011/AM 1:2013 [R2018])

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INCITS/ISO/IEC 19795-6:2012 [R202x], Information technology -- Biometric performance testing and reporting -- Part 6: Testing methodologies for operational evaluation (reaffirmation of INCITS/ISO/IEC 19795-6:2012 [R2018])

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INCITS/ISO/IEC 20000-6:2017 [R202x], Information technology - Service management - Part 6: Requirements for bodies providing audit and certification of service management systems (reaffirmation of INCITS/ISO/IEC 20000 -6:2017 [2018])

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INCITS/ISO/IEC 20944-1:2013 [R202x], Information technology - Metadata Registries Interoperability and Bindings (MDR-IB) - Part 1: Framework, common vocabulary, and common provisions for conformance (reaffirmation of INCITS/ISO/IEC 20944-1:2013 [R2018])

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INCITS/ISO/IEC 20944-3:2013 [R202x], Information technology - Metadata Registries Interoperability and Bindings (MDR-IB) - Part 3: API bindings (reaffirmation of INCITS/ISO/IEC 20944-3:2013 [R2018])

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INCITS/ISO/IEC 20944-4:2013 [R202x], Information technology - Metadata Registries Interoperability and Bindings (MDR-IB) - Part 4: Protocol bindings (reaffirmation of INCITS/ISO/IEC 20944-4:2013 [R2018])

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INCITS/ISO/IEC 20944-5:2013 [R202x], Information technology - Metadata Registries Interoperability and Bindings (MDR-IB) - Part 5: Profiles (reaffirmation of INCITS/ISO/IEC 20944-5:2013 [R2018])

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INCITS/ISO/IEC 21000-2:2005 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 2: Digital Item Declaration (reaffirmation of INCITS/ISO/IEC 21000-2:2005 [R2018])

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INCITS/ISO/IEC 21000-3:2003 [R202x], Information technology - Multimedia framework (MPEG-21) - Part 3: Digital Item Identification (reaffirmation of INCITS/ISO/IEC 21000-3:2003 [R2018])

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INCITS/ISO/IEC 24727-1:2014 [R202x], Identification cards - Integrated circuit card programming interfaces - Part 1: Architecture (reaffirmation of INCITS/ISO/IEC 24727-1:2014 [2018])

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INCITS/ISO/IEC 24754-1:2008 [R2018], Information technology -- Document description and processing languages -- Minimum requirements for specifying document rendering systems -- Part 1: Feature specifications for document rendering systems (withdrawal of INCITS/ISO/IEC 24754-1:2008 [R2018])

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INCITS/ISO/IEC 24754-1:2008/COR 1:2011 [R2018], Information technology - Document description and processing languages - Minimum requirements for specifying document rendering systems - Part 1: (withdrawal of INCITS/ISO/IEC 24754-1:2008/COR 1:2011 [R2018])

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INCITS/ISO/IEC 25185-1:2016 [R202x], Identification cards - Integrated circuit card authentication protocols - Part 1: Protocol for Lightweight Authentication of Identity (reaffirmation of INCITS/ISO/IEC 25185-1:2016 [2018])

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INCITS/ISO/IEC 27033-4:2014 [R202x], Information technology - Security techniques - Network security - Part 4: Securing communications between networks using security gateways (reaffirmation of INCITS/ISO/IEC 27033-4 -2014 [2018])

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INCITS/ISO/IEC 27034-2:2015 [R202x], Information technology - Security techniques - Application security - Part 2: Organization normative framework (reaffirmation of INCITS/ISO/IEC 27034-2:2015 [2018])

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INCITS/ISO/IEC 29109-6:2011 [R202x], Information technology - Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 - Part 6: Iris image data (reaffirmation of INCITS/ISO/IEC 29109 -6:2011 [R2018])

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INCITS/ISO/IEC 29500-1:2016 [2018], Information technology -- Document description and processing languages -- Office Open XML File Formats -- Part 1: Fundamentals and Markup Language Reference (withdrawal of INCITS/ISO/IEC 29500-1:2016 [2018])

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INCITS/ISO/IEC 29500-2:2012 [R2018], Information technology - Document description and processing languages - Office Open XML File Formats - Part 2: Open Packaging Conventions (withdrawal of INCITS/ISO/IEC 29500-2:2012 [R2018])

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INCITS/ISO/IEC 29500-3:2015 [2018], Information technology -- Document description and processing languages -- Office Open XML File Formats -- Part 3: Markup Compatibility and Extensibility (withdrawal of INCITS/ISO/IEC 29500 -3:2015 [2018])

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INCITS/ISO/IEC 29500-4:2016 [2018], Information technology -- Document description and processing languages -- Office Open XML File Formats -- Part 4: Transitional Migration Features (withdrawal of INCITS/ISO/IEC 29500-4 -2016 [2018])

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INCITS/ISO/IEC 30105-1:2016 [R202x], Information technology - IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 1: Process reference model (PRM) (reaffirmation of INCITS/ISO/IEC 30105 -1:2016 [2018])

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INCITS/ISO/IEC 38505-1:2017 [R202x], Information technology - Governance of IT - Governance of data - Part 1: Application of ISO/IEC 38500 to the governance of data (reaffirmation of INCITS/ISO/IEC 38505-1:2017 [2018])

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INCITS/ISO/IEC 646:1991 [S202x], Information technology -- ISO 7-bit coded character set for information interchange (stabilized maintenance of INCITS/ISO/IEC 646:1991 [R2018])

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INCITS/ISO/IEC 2022:1994 [S202x], Information technology -- Character code structure and extension techniques (stabilized maintenance of INCITS/ISO/IEC 2022:1994 [R2018])

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INCITS/ISO/IEC 2375:2003 [R202x], Information technology -- Procedure for registration of escape sequences and coded character sets (reaffirmation of INCITS/ISO/IEC 2375:2003 [R2018])

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INCITS/ISO/IEC 4873:1991 [S202x], Information technology -- ISO 8-bit code for information interchange -- Structure and rules for implementation (stabilized maintenance of INCITS/ISO/IEC 4873:1991 [R2018])

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

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

INCITS/ISO/IEC 10116:2017 [R202x], Information technology - Security techniques - Modes of operation for an n-bit block cipher (reaffirmation of INCITS/ISO/IEC 10116:2017 [2018])

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 10367:1991 [S202x], Information Technology - Standardized Coded Graphic Character Sets for Use in 8-Bit Codes (stabilized maintenance of INCITS/ISO/IEC 10367:1991 [R2018])

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

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

INCITS/ISO/IEC 10538:1991 [S202x], Information technology -- Control functions for text communication (stabilized maintenance of INCITS/ISO/IEC 10538:1991 [R2018])

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

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

INCITS/ISO/IEC 11002:2008 [S202x], Information technology - Multipath management API (stabilized maintenance of INCITS/ISO/IEC 11002:2008 [R2018])

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

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

INCITS/ISO/IEC 11544:1993 [R202x], Information technology - Coded representation of picture and audio information - Progressive bi-level image compression (reaffirmation of INCITS/ISO/IEC 11544:1993 [R2018])

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

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

INCITS/ISO/IEC 11989:2010 [S202x], Information technology - iSCSI Management API (stabilized maintenance of INCITS/ISO/IEC 11989:2010 [R2018])

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

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

INCITS/ISO/IEC 13187:2011 [S202x], Information technology - Server management command line protocol (SM CLP) specification (stabilized maintenance of INCITS/ISO/IEC 13187:2011 [R2018])

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

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

INCITS/ISO/IEC 14473:1999 [R202x], Information technology - Office equipment - Minimum information to be specified for image scanners (reaffirmation of INCITS/ISO/IEC 14473:1999 [R2018])

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

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

INCITS/ISO/IEC 15404:2000 [R202x], Information technology - Office machines - Minimum information to be included in specification sheets - Facsimile equipment (reaffirmation of INCITS/ISO/IEC 15404:2000 [R2018])

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

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

INCITS/ISO/IEC 17203:2017 [R202x], Information technology - Open Virtualization Format (OVF) specification (reaffirmation of INCITS/ISO/IEC 17203:2017 [2018])

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 17825:2016 [R202x], Information technology - Security techniques - Testing methods for the mitigation of non-invasive attack classes against cryptographic modules (reaffirmation of INCITS/ISO/IEC 17825:2016 [2018])

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 18050:2006 [R202x], Information technology - Office equipment - Print quality attributes for machine readable Digital Postage Marks (reaffirmation of INCITS/ISO/IEC 18050:2006 [R2018])

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

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

INCITS/ISO/IEC 19637:2016 [R202x], Information technology - Sensor network testing framework (reaffirmation of INCITS/ISO/IEC 19637:2016 [2018])

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 19752:2017 [R202x], Information technology - Office equipment - Method for the determination of toner cartridge yield for monochromatic electrophotographic printers and multi-function devices that contain printer components (reaffirmation of INCITS/ISO/IEC 19752:2017 [2018])

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 19798:2017 [R202x], Information technology - Office equipment - Method for the determination of toner cartridge yield for colour printers and multi-function devices that contain printer components (reaffirmation of INCITS/ISO/IEC 19798:2017 [2018])

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 19799:2007 [R202x], Information technology - Method of measuring gloss uniformity on printed pages (reaffirmation of INCITS/ISO/IEC 19799:2007 [R2018])

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

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

INCITS/ISO/IEC 20060:2010 [R202x], Information technology - Open Terminal Architecture (OTA) - Virtual machine (reaffirmation of INCITS/ISO/IEC 20060:2010 [R2018])

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

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

INCITS/ISO/IEC 21117:2012 [R202x], Information technology - Office equipment - Copying machines and multi-function devices - Information to be included in specification sheets and related test methods (reaffirmation of INCITS/ISO/IEC 21117:2012 [R2018])

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

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

INCITS/ISO/IEC 23271:2012 [R202x], Information technology - Common Language Infrastructure (CLI) (reaffirmation of INCITS/ISO/IEC 23271:2012 [R2018])

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

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

INCITS/ISO/IEC 24700:2005 [R202x], Quality and performance of office equipment that contains reused components (reaffirmation of INCITS/ISO/IEC 24700:2005 [R2018])

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

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

INCITS/ISO/IEC 24712:2007 [R202x], Colour test pages for measurement of office equipment consumable yield (reaffirmation of INCITS/ISO/IEC 24712:2007 [R2018])

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

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

INCITS/ISO/IEC 24759:2017 [R202x], Information technology - Security techniques - Test requirements for cryptographic modules (reaffirmation of INCITS/ISO/IEC 24759:2017 [2018])

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 27042:2015 [R202x], Information technology - Security techniques - Guidelines for the analysis and interpretation of digital evidence (reaffirmation of INCITS/ISO/IEC 27042:2015 [2018])

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 29190:2015 [R202x], Information technology - Security techniques - Privacy capability assessment model (reaffirmation of INCITS/ISO/IEC 29190:2015 [2018])

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 40314:2016 [R202x], Information technology - Mathematical Markup Language (MathML) Version 3.0 (reaffirmation of INCITS/ISO/IEC 40314:2016 [2018])

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 7350:1991 [R2018], Information technology -- Registration of repertoires of graphic characters from ISO/IEC 10367 (withdrawal of INCITS/ISO/IEC 7350:1991 [R2018])

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

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

INCITS/ISO/IEC 10995:2011 [R2018], Information technology -- Digitally recorded media for information interchange and storage -- Test method for the estimation of the archival lifetime of optical media (withdrawal of INCITS/ISO/IEC 10995:2011 [R2018])

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

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

INCITS/ISO/IEC 19756:2011 [R2018], Information technology -- Topic Maps -- Constraint Language (TMCL) (withdrawal of INCITS/ISO/IEC 19756:2011 [R2018])

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

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

INCITS/ISO/IEC 20648:2016 [2018], Information technology - TLS specification for storage systems (withdrawal of INCITS/ISO/IEC 20648:2016 [2018])

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 29164:2011 [R2018], Information technology - Biometrics - Embedded BioAPI (withdrawal of INCITS/ISO/IEC 29164:2011 [R2018])

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

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

INCITS/ISO/IEC 40180:2017 [2018], Information technology - Quality for Learning, education and training - Fundamentals and Reference Framework - Part 1: General approach (withdrawal of INCITS/ISO/IEC 40180:2017 [2018])

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/COR 1:2014 [R202x], Information technology - Security techniques - Random bit generation - Technical Corrigendum 1 (reaffirmation of INCITS/ISO/IEC 18031:2011/COR 1:2014 [2018])

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 26300:2006/COR 1:2010 [R2018], Information technology - Open Document Format for Office Applications (OpenDocument) v1.0 - Technical Corrigendum 1 (withdrawal of INCITS/ISO/IEC 26300:2006/COR 1:2010 [R2018])

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

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

INCITS/ISO/IEC 26300:2006/AM 1:2012 [R2018], Information technology - Open Document Format for Office Applications (OpenDocument) v1.0 - Amendment 1: Open Document Format for Office Applications (OpenDocument) v1.1 (withdrawal of INCITS/ISO/IEC 26300:2006/AM 1:2012 [R2018])

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

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

INCITS/ISO/IEC 26300:2006/COR 2:2011 [R2018], Information technology - Open Document Format for Office Applications (OpenDocument) v1.0 - Technical Corrigendum 2 (withdrawal of INCITS/ISO/IEC 26300:2006/COR 2:2011 [R2018])

NSF (NSF International)

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

BSR/NSF 385-202x (i15r2), Disinfection Mechanics (revision of ANSI/NSF 385-2021)

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | standards-process@tiaonline.org, www.tiaonline.org

BSR/TIA 102.AABC-E-1-202x, Trunking Control Channel Messages Addendum 1 (addenda to ANSI/TIA 102.AABC-E -2019)

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | standards-process@tiaonline.org, www.tiaonline.org

BSR/TIA 102.AABC-E-2-202x, Trunking Control Channel Messages Addendum 2 Remotely Activated Emergency (addenda to ANSI/TIA 102.AABC-E-2019)

ULSE (UL Standards & Engagement)

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

BSR/UL 867-202x, Standard for Safety for Electrostatic Air Cleaners (revision of ANSI/UL 867-2021)

ULSE (UL Standards & Engagement)

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

BSR/UL 1479-202X, Standard for Fire Tests of Penetration Firestops (revision of ANSI/UL 1479-2021)

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

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

ASSP (Safety) - American Society of Safety Professionals

Z390 Committee Meeting June 22, 2023

American Society of Safety Professionals (ASSP) – ANSI Z390 Committee. The American Society of Safety Professionals (ASSP) is the secretariat for ANSI Z390 Committee for Hydrogen Sulfide Safety Training. The next Z390 meeting will take place virtually on June 22, 2023. Those interested in participating can contact ASSP for additional information at rblanchette@assp.org.

ANSI Accredited Standards Developer

CSA - CSA America Standards Inc.

Meeting Time: June 22, 2023 at 11:30 am EDT

CSA Group Hydrogen Transportation Technical Committee will meet virtually on June 22, 2023 at 11:30 am EDT via Teleconference/WebEx. For those interested in participating or for additional information, contact Iris Monner at iris.monner@csagroup.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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AAMI
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AGA (ASC B109)
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ASME
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ASTM
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ESTA
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IAPMO (ASSE Chapter)
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NEMA (ASC C8)
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NEMTAC
Non Emergency Medical Transportation Accreditation Commission
2307 S Rural Road
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www.nemtac.co

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NENA
National Emergency Number Association
1700 Diagonal Road Suite 500, Suite 500
Alexandria, VA 22314
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NSF
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PCI
Precast/Prestressed Concrete Institute
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PMI (Organization)
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ISO & IEC Draft International Standards

This section lists proposed standards that the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) are considering for approval. The proposals have received substantial support within the technical committees or subcommittees that developed them and are now being circulated to ISO and IEC members for comment and vote. Standards Action readers interested in reviewing and commenting on these documents should order copies from ANSI.

COMMENTS

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); comments on ISO documents must be submitted electronically in the approved ISO template and as a Word document as other formats will not be accepted.

Those regarding IEC documents should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (tzertuche@ansi.org). The final date for offering comments is listed after each draft.

ORDERING INSTRUCTIONS

ISO and IEC Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an ISO or IEC Draft to Customer Service at sales@ansi.org. When making your request, please provide the date of the Standards Action issue in which the draft document you are requesting appears.

ISO Standards

Agricultural food products (TC 34)

ISO/DIS 24557, Pulses - Determination of moisture content - Air-oven method - 7/30/2023, $46.00

Aircraft and space vehicles (TC 20)

ISO/DIS 9538, Aerospace series - Hydraulic tubing joints and fittings - Planar flexure test - 7/28/2023, $46.00

Fire safety (TC 92)

ISO/DIS 19702, Sampling and analysis of toxic gases and vapours in fire effluents using Fourier Transform Infrared (FTIR) spectroscopy - 7/28/2023, $146.00

Geographic information/Geomatics (TC 211)

ISO/DIS 19164, Geographic information - Indoor feature model - 7/31/2023, $107.00

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

ISO 13623:2017/DAmd 1, - Amendment 1: Petroleum and natural gas industries - Pipeline transportation systems - Amendment 1: Complementary requirements for the transportation of fluids containing carbon dioxide or hydrogen - 7/30/2023, $53.00

Microbeam analysis (TC 202)

ISO/DIS 5820, Microbeam Analysis - Hyper-Dimensional Data File Specification (HMSA) - 7/27/2023, $134.00

Non-destructive testing (TC 135)

ISO/DIS 32543-1, Non-destructive testing - Characteristics of focal spots in industrial X-ray systems - Part 1: Pinhole camera radiographic method - 7/31/2023, $67.00

Other

ISO/DIS 20433, Leather - Tests for colour fastness - Colour fastness to crocking - 7/27/2023, $40.00

Packaging (TC 122)

ISO/DIS 6608-1, Active and intelligent packaging - Part 1: General requirements and specifications of active packaging - 7/28/2023, $62.00

Personal safety - Protective clothing and equipment (TC 94)

ISO/DIS 11999-9, PPE for firefighters - Test methods and requirements for PPE used by firefighters who are at risk of exposure to high levels of heat and/or flame while fighting fires occurring in structures - Part 9: Firehoods - 7/28/2023, $58.00

Road vehicles (TC 22)

ISO/DIS 24671, Road vehicles - Qualification and Certification of Technical Personnel dealing with Natural Gas Vehicles (NGVs) - 7/30/2023, $88.00

ISO/DIS 22760-3, Road vehicles - Dimethyl Ether (DME) fuel system components - Part 3: 85% stop valve - 7/31/2023, $40.00

ISO/DIS 22760-4, Road vehicles - Dimethyl Ether (DME) fuel system components - Part 4: Level indicator - 7/31/2023, $40.00

ISO/DIS 22760-6, Road vehicles - Dimethyl Ether (DME) fuel system components - Part 6: Pressure relief valve (PRV) - 7/31/2023, $40.00

ISO/DIS 22760-9, Road vehicles - Dimethyl Ether (DME) fuel system components - Part 9: Pressure relief device (PRD) - 7/31/2023, $53.00

Security (TC 292)

ISO/DIS 22359, Security and resilience - Guidelines for hardened protective shelters - 8/3/2023, $88.00

Soil quality (TC 190)

ISO/DIS 8259, Soil quality - Bioaccessibility of organic and inorganic pollutants from contaminated soil and soil-like material - 7/28/2023, $93.00

Steel (TC 17)

ISO/DIS 9042, Steels - Point counting method for statistically estimating the volume fraction of a constituent with a point grid - 7/28/2023, $46.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 23264-2, Information security - Redaction of authentic data - Part 2: Redactable signature schemes based on asymmetric mechanisms - 7/31/2023, $125.00

ISO/IEC DIS 30105-1, Information technology - IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 1: Process reference model (PRM) - 7/28/2023, $93.00

IEC Standards

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

100/3928/DTS, IEC TS 61966-13 ED1: Multimedia systems and equipment - Colour measurement and management - Part 13: Measurement method of Display Colour Properties Depending on Observers (TA 2), 08/04/2023

Electrical apparatus for explosive atmospheres (TC 31)

31/1704/CD, IEC 60079-1 ED8: Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d", 08/04/2023

Electrical equipment in medical practice (TC 62)

62D/2043/CDV, ISO 80601-2-79 ED2: Medical electrical equipment - Part 2-79: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory impairment, 08/04/2023

62D/2044/CDV, ISO 80601-2-80 ED2: Medical electrical equipment - Part 2-80: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory insufficiency, 08/04/2023

Electrical installations of buildings (TC 64)

64/2625/CD, IEC 60364-7-702 ED4: Low-voltage electrical installations - Part 7-702: Requirements for special installations or locations - Swimming pools and fountains, 09/01/2023

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

18A/470/CD, IEC 60092-378 ED1: Electrical installations in ships - Part 378: Optical fiber cables, 07/07/2023

18A/471/CD, IEC 60092-379 ED1: Electrical installations in ships - Part 379: Ethernet (category) cables, 07/07/2023

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

48B/3046/CD, IEC 61076-2-117 ED1: Connectors for electrical and electronic equipment - Detail specification for shielded, free and fixed circular connectors M12 to M40 for power, signal and data transmission with frequencies up to 600 MHz, 08/04/2023

Environmental conditions, classification and methods of test (TC 104)

104/991/FDIS, IEC 60068-2-14 ED7: Environmental testing - Part 2-14: Tests - Test N: Change of temperature, 06/23/2023

Evaluation and Qualification of Electrical Insulating Materials and Systems (TC 112)

112/606/CDV, Replaced by 112/606A/CDV, 08/04/2023

Fibre optics (TC 86)

86C/1871/CD, IEC 61280-2-13 ED1: Fibre optic communication subsystem test procedures - Part 2-13: Digital systems - Measurement of error vector magnitude, 08/04/2023

86B/4763/DPAS, IEC PAS 63503-3-30 ED1: Fibre optic interconnecting devices and passive components - Connector optical interfaces for multi-core fibre - Part 3-30: Connector parameters of standard outer diameter 4-core physically contacting fibres - non-angled 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrules, 07/07/2023

86A/2324/CD, IEC TR 63431 ED1: Optical fibre cables - Microduct technology - Guidance, 08/04/2023

High Voltage Direct Current (HVDC) transmission for DC voltages above 100 kV (TC 115)

115/334/CD, IEC TR 63502 ED1: Parameters measurement of HVDC transmission line, 08/04/2023

High-voltage testing techniques (TC 42)

42/418/CDV, IEC 60270 ED4: High-voltage test techniques - Charge-based measurement of partial discharges, 08/04/2023

Industrial-process measurement and control (TC 65)

65/1012/FDIS, IEC 63278-1 ED1: Asset Administration Shell for industrial applications - Part 1: Asset Administration Shell structure, 06/23/2023

Measuring equipment for electromagnetic quantities (TC 85)

85/872/FDIS, IEC 61557-7/AMD1 ED3: Amendment 1 - Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 7: Phase sequence, 06/23/2023

85/874/NP, PNW TS 85-874 ED1: POWER QUALITY MEASUREMENT IN POWER SUPPLY SYSTEMS Part 3: Maintenance tests, calibration, 08/04/2023

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

113/766/CD, IEC TR 62632/AMD1 ED1: Amendment 1 - Nanoscale electrical contacts and interconnects, 07/07/2023

Performance of household electrical appliances (TC 59)

59F/472/FDIS, IEC 62885-4/AMD1 ED1: Amendment 1 - Surface cleaning appliances - Part 4: Cordless dry vacuum cleaners for household or similar use - Methods for measuring the performance, 06/23/2023

Semiconductor devices (TC 47)

47E/806A/CD, IEC 60747-16-11 ED1: Semiconductor devices - Part 16-11: Microwave integrated circuits - Power detectors, 06/23/2023

Solar thermal electric plants (TC 117)

117/177/CDV, IEC 62862-1-5 ED1: Solar thermal electric plants - Part 1-5: Performance code test for solar thermal electric plants, 08/04/2023

Switchgear and Controlgear and Their Assemblies for Low Voltage (TC 121)

121A/560/CD, IEC 60947-7-1 ED4: Low-voltage switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors, 08/04/2023

SyCAAL

SyCAAL/298/CD, IEC 63240-1 ED2: Active assisted living (AAL) reference architecture and architecture model - Part 1: Reference architecture, 08/04/2023

Ultrasonics (TC 87)

87/834/CD, IEC 62359 ED3: Ultrasonics - Field characterization - Test methods for the determination of thermal and mechanical indices and acoustic intensities related to medical diagnostic ultrasonic fields, 07/07/2023

Wind turbine generator systems (TC 88)

88/954/DTS, IEC TS 61400-26-4 ED1: Wind energy generation systems - Part 26-4: Reliability for wind energy generating systems, 08/04/2023

88/955/DTS, IEC TS 61400-28 ED1: Wind energy generation systems - Part 28: Through life management and life extension of wind power assets, 08/04/2023

Newly Published ISO & IEC Standards

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

ISO Standards

Aircraft and space vehicles (TC 20)

ISO 24355:2023, Flight control system for civil small and light multicopter unmanned aircraft system (UAS) - General requirements, $77.00

Control and safety devices for non industrial gas-fired appliances and systems (TC 161)

ISO 23551-8:2023, Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 8: Multifunctional controls, $183.00

Dentistry (TC 106)

ISO 13078-3:2023, Dentistry - Dental furnace - Part 3: Test method for the evaluation of high temperature sintering furnace measurement with a separate thermocouple, $51.00

Document imaging applications (TC 171)

ISO 4669-1:2023, Document management - Information classification, marking and handling - Part 1: Requirements, $183.00

Energy management and energy savings (TC 301)

ISO 50006:2023, Energy management systems - Evaluating energy performance using energy performance indicators and energy baselines, $210.00

Furniture (TC 136)

ISO 9098-2:2023, Bunk beds and high beds - Safety requirements and tests - Part 2: Test methods, $116.00

Gas cylinders (TC 58)

ISO 11119-2:2020/Amd 1:2023, - Amendment 1: Gas cylinders - Design, construction and testing of refillable composite gas cylinders and tubes - Part 2: Fully wrapped fibre reinforced composite gas cylinders and tubes up to 450 l with load-sharing metal liners - Amendment 1, $22.00

Mechanical testing of metals (TC 164)

ISO 9649:2023, Metallic materials - Wire - Reverse torsion test, $51.00

Nanotechnologies (TC 229)

ISO 19337:2023, Nanotechnologies - Characteristics of working suspensions of nano-objects for in vitro assays to evaluate inherent nano-object toxicity, $116.00

Personal safety - Protective clothing and equipment (TC 94)

ISO 11610:2023, Protective clothing - Vocabulary, $51.00

Petroleum products and lubricants (TC 28)

ISO 11007-1:2021/Amd 1:2023, - Amendment 1: Petroleum products and lubricants - Determination of rust-prevention characteristics of lubricating greases - Part 1: Dynamic wet conditions - Amendment 1: Test bearings, $22.00

Refrigeration (TC 86)

ISO 6369:2023, Ice makers for commercial use - Classification, requirements and test conditions, $77.00

Ships and marine technology (TC 8)

ISO 24681:2023, Ships and marine technology - Fibre-reinforced plastic gratings, $116.00

ISO 23780-1:2023, Ships and marine technology - Procedure for testing the performance of continuous monitoring TRO sensors used in ships - Part 1: DPD sensors, $157.00

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

ISO 8887-2:2023, Technical product documentation - Design for manufacturing, assembling, disassembling and end-of-life processing - Part 2: Vocabulary, $51.00

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

ISO 7176-31:2023, Wheelchairs - Part 31: Lithium-ion battery systems and chargers for powered wheelchairs - Requirements and test methods, $77.00

ISO Technical Reports

Lifts, escalators, passenger conveyors (TC 178)

ISO/TR 14799-2:2023, Comparison of worldwide escalator and moving walk safety standards - Part 2: Abbreviated comparison and comments, $263.00

ISO Technical Specifications

Health Informatics (TC 215)

ISO/TS 8392:2023, Genomics informatics - Description rules for genomic data for genetic detection products and services, $116.00

Nanotechnologies (TC 229)

ISO/TS 20477:2023, Nanotechnologies - Vocabulary for cellulose nanomaterial, $51.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 16388:2023, Information technology - Automatic identification and data capture techniques - Code 39 bar code symbology specification, $116.00

ISO/IEC 15444-9:2023, Information technology - JPEG 2000 image coding system - Part 9: Interactivity tools, APIs and protocols, $263.00

ISO/IEC 23008-9:2023, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 9: 3D Audio conformance testing, $263.00

ISO/IEC 23090-10:2022/Cor 1:2023, Corrigendum, FREE

ISO/IEC TS 23465-3:2023, Card and security devices for personal identification - Programming interface for security devices - Part 3: Proxy, $157.00

IEC Standards

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

IEC 62783-1 Ed. 2.0 en:2023, Twinax cables for digital communications - Part 1: Generic specification, $145.00

Electric cables (TC 20)

IEC 60287-1-2 Ed. 2.0 en:2023, Electric cables - Calculation of the current rating - Part 1-2: Current rating equations (100 % load factor) and calculations of losses - Sheath eddy current loss factors for two circuits in flat formation, $234.00

Electrical installations for the lighting and beaconing of aerodromes (TC 97)

IEC 61820-3-4 Ed. 1.0 b:2023, Electrical installations for lighting and beaconing of aerodromes - Part 3-4: Safety secondary circuits in series circuits - General safety requirements, $329.00

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

IEC 61076-8-107 Ed. 1.0 b:2023, Connectors for electrical and electronic equipment - Product requirements - Part 8-107: Power connectors - Detail specification for 2P 200 A, 1 000 V plus 2P 5 A 50 V rectangular housing shielded connectors with IP65/IP68 degree of protection when mated and locked, and IPXXB when unmated, $278.00

IEC 61076-8-109 Ed. 1.0 b:2023, Connectors for electrical and electronic equipment - Product requirements - Part 8-109: Power connectors - Detail specification for 2P 130 A, 1 000 V plus 2P 5 A 50 V rectangular housing shielded connectors with IP65/IP68 degree of protection when mated and locked, and IPXXB when unmated, $278.00

Fibre optics (TC 86)

IEC 63267-1 Ed. 1.0 b:2023, Fibre optic interconnecting devices and passive components - Fibre optic connector optical interfaces - Part 1: Enhanced macro bend loss multimode 50 µm core diameter fibres - General and guidance, $95.00

Industrial-process measurement and control (TC 65)

IEC 62439-2 Ed. 3.0 b Cor.1:2023, Corrigendum 1 - Industrial communication networks - High availability automation networks - Part 2: Media Redundancy Protocol (MRP), $0.00

Lightning protection (TC 81)

IEC 62561-6 Ed. 3.0 b:2023, Lightning protection system components (LPSC) - Part 6: Requirements for lightning strike counters (LSCs), $190.00

S+ IEC 62561-6 Ed. 3.0 en:2023 (Redline version), Lightning protection system components (LPSC) - Part 6: Requirements for lightning strike counters (LSCs), $247.00

Power electronics (TC 22)

IEC 62927 Amd.1 Ed. 1.0 b:2023, Amendment 1 - Voltage sourced converter (VSC) valves for static synchronous compensator (STATCOM) - Electrical testing, $51.00

IEC 62927 Ed. 1.1 b:2023, Voltage sourced converter (VSC) valves for static synchronous compensator (STATCOM) - Electrical testing, $405.00

Secondary cells and batteries (TC 21)

IEC 62620 Amd.1 Ed. 1.0 b:2023, Amendment 1 - Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary lithium cells and batteries for use in industrial applications, $13.00

IEC 62620 Ed. 1.1 b:2023, Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary lithium cells and batteries for use in industrial applications, $316.00

Surface mounting technology (TC 91)

IEC 61249-2-51 Ed. 1.0 b:2023, Materials for printed boards and other interconnecting structures - Part 2-51: Reinforced base materials, clad and unclad - Base materials for integrated circuit card carrier tape, unclad, $145.00

IEC Technical Reports

Nuclear instrumentation (TC 45)

IEC/TR 63468 Ed. 1.0 en:2023, Nuclear facilities - Instrumentation and control, and electrical power systems - Artificial Intelligence applications, $329.00

IEC Technical Specifications

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

IEC/TS 62565-1 Ed. 1.0 en:2023, Nanomanufacturing - Product specifications - Part 1: Basic concepts, $234.00

U.S. Technical Advisory Groups

ASSP - American Society of Safety Professionals

U.S. TAG to ISO/TC 283 – Occupational health and safety management

Meeting Date: May 24, 2023, 9:30am Central Time

The leadership of the U.S. TAG to ISO TC 283 has called a meeting to discuss ongoing standards development issues and opportunities with occupational health and safety management systems standards, ANSI/ASSP/ISO 45001 and affiliated standards and documents. The meeting will be held virtually on May 24th, at 9:30 a.m. Central Time, and could go up to ninety minutes.

For more information or to participate, please contact the U.S. TAG Administrator, Mr. Tim Fisher, tfisher@assp.org.

International Organization for Standardization (ISO)

Call for Comment on ISO Standard

Integrated Pest Management for Crops

Comment Deadline: May 26, 2023

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on Integrated Pest Management for Crops, with the following scope statement:

Standardization of integrated pest management in crop production process, including management services, effectiveness assessments, testing and analysis and other related standards which involved in the process of monitoring and forecasting, prevention and control and emergency measures.

Excluded:
— Tractors and machinery for agriculture and forestry (covered by ISO/TC 23)
— Common names for pesticides and other agrochemicals (covered by ISO/TC 81)
— Personal safety -- Personal protective equipment (covered by ISO/TC94)

Note: Crops refer to all kinds of plants cultivated in agriculture, including food crops, cash crops, industrial raw material crops, feed crops, etc.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, May 26, 2023.

ISO New Work Item Proposal

Sustainable Raw Materials

Comment Deadline: June 30, 2023

DIN, the ISO member body for Germany, has submitted to ISO a new work item proposal for the development of an ISO standard on Sustainable Raw Materials, with the following scope statement:

This document specifies criteria for sustainable raw materials along industry best practices and is intended to be used for mineral-, raw iron- and non-iron-metals. It is applicable to the full value chain of all raw materials, from extraction (mining) to processing, to refining, to final product manufacturing, thereby including the full upstream and downstream value chain. It does not apply to the mine closure and/or mine reclamation stage activities as these stages are not considered integral parts of the value chain.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, June 30, 2023**.

Meeting Notices (International)

ANSI Accredited U.S TAG to ISO

JTC 1/SC 36, Information technology for learning, education and training

Establishment of a New Technical Committee INCITS/Education - Zoom on Tuesday, May 23, 2023 Meeting Notice and Call for Members

At the March 2023 INCITS Executive Board meeting, a new Technical Committee (TC), INCITS/Education, was established. The TC will serve as the **U.S. TAG to ISO/IEC JTC 1 Subcommittee 36 - Information Technology for Learning, Education and Training**.

The scope of work is standardization in the field of information technologies for learning, education, and training to support individuals, groups, or organizations, and to enable interoperability and reusability of resources and tool. Excluded from this scope are:

· standards or technical reports that define educational standards (competencies), cultural conventions, learning objectives, or specific learning content.

· work done by other ISO or IEC TCs, SCs, or WGs with respect to their component, specialty, or domain. Instead, when appropriate, normative or informative references to other standards shall be included. Examples include documents on special topics such as multimedia, web content, cultural adaptation, and security.

RSVPs for the meeting should be submitted to Bill Ash (bash@itic.org) as soon as possible.

Organizational Meeting – Tuesday, May 23, 2023. The organizational meeting of the new TC on INCITS/Education will be held electronically via **Zoom on Tuesday, May 23, 2023** (1:00 PM to 4:00 PM (Eastern) / 10:00 AM to 1:00 PM (Pacific)).

Membership – Membership in INCITS is open to all directly and materially interested parties who return a signed INCITS Membership Agreement and pay the applicable service fees. For more information, click here.

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.

Public Review Draft

Proposed Addendum ao to Standard 189.1-2020

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

Second Public Review (May 2023)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

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

BSR/ASHRAE/ICC/USGBC/IES Addendum *ao* ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* Second Public Review Draft, Independent Substantive Changes

(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

Foreword

This draft modifies Section 10. Construction and Plans for Operation.

This draft modifies 10.4.2, IAQ Construction Management and System Startup.

- Section 10.4.2 (d) strikes the requirement to cover permanent HVAC vents during activities that produce dust since these activities could prove harmful and unproductive to workers in an unconditioned environment.
- Section 10.4.2(e), is modified to allow operation of permanent HVAC systems during construction provided that they are protected from dirt, dust, and debris, and that all filters and controls are in place and operational.
- Section 10.4.2(f) is modified editorially, with no change in the requirement.

…

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by <u>underlining</u> (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Changes highlighted in yellow are to show case the potential changes as suggested by an unresolved objector. 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.]

BSR/ASHRAE/ICC/USGBC/IES Addendum *ao* ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* Second Public Review Draft, Independent Substantive Changes

Addendum ao (2nd PPR ISC) to 189.1-2020

Modify Section 10.4.2 as follows:

10.4 **Construction Operations and Start-Up Requirements**

10.4.2 IAQ Construction Management and System Startup. Ventilation systems shall be constructed and started in compliance with Section 7 of ANSI/ASHRAE Standard 62.1. An IAQ construction management plan shall be developed and implemented. The plan shall include procedures and schedules to accomplish the following:

a. Compliance with Sections 7.1.2, 7.1.3 and 7.1.4 of ANSI/ASHRAE Standard 62.1.
b. Prevention of the use of adhesives, paint and other volatiles and operations that create dust, including sanding and sawing, after 48 hours prior to occupancy.
c. Covering air conveyance materials prior to installation.
d. Sealing of HVAC system supply and return air openings when systems are not in use ~~and during activities that produce dust~~.
e. Protection of permanent HVAC systems from dirt, dust, and debris in compliance with ASHRAE 62.1 section 7.2.4 or prevention of their operation during construction except for pre-occupancy ventilation as specified in Section 10.7.2 ~~10.7.3, System Startup, Testing, Balancing and Commissioning~~. ~~Prevention of the operation of permanent HVAC systems during construction except for pre-occupancy ventilation as specified in Section 10.7.3, system startup, testing, balancing and commissioning.~~ All filters and controls shall be in place and operational during such HVAC system operation.
f. Replacement of installed materials that ~~have been installed and~~ exhibit biological growth.

Public Review Draft

Proposed Addendum bd to Standard 189.1-2020

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

First Public Review (May 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).

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.

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

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

(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

Foreword

This addendum deletes the exception to Section 7.5.4 of the standard. The exception is no longer needed because of a published addendum to Standard 209.

[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 *bd* to 189.1-2020

Make the following changes to Section 7.5.4.

7.5.4 [JO] Energy Simulation Aided Design. For building projects that exceed 25,000 ft^2 (2300 m^2) of gross floor area, the building project shall comply with the requirements of ASHRAE Standard 209, Section 4.2.1.

~~**Exception to 7.5.4**: ASHRAE Standard 209, Section 5.2 shall not apply~~

Make the following changes to the reference in Section 11.

ANSI/ASHRAE Standard 209-2018 with Addendum A.

The following are the changes made to Standard 209-2018 through Addendum A and is provided as information only. This section is not open for comment during public review. The published version of Addendum a for Standard 209-2018 is available at https://www.ashrae.org/technical-resources/standards-and-guidelines/standards-addenda.

Addendum a to Standard 209-2018

Modify Section 3.2 as shown.

design professional: an architect or engineer licensed to practice in accordance with applicable state licensing laws.

energy modeling project: the development and use of an energy model to evaluate a building's performance or to aid in making decisions in the design or operation of a building.

Modify Section 5.2 as shown.

5.2 Modeler ~~Credentials~~ Qualifications. The *energy modeler* or the individual supervising the work of the *energy modeler* shall ~~be~~ have completed a minimum of five *energy modeling projects*, and at least one of the following:

a. Be a certified Building Energy Modeling Professional (BEMP)

b. Be a certified Building Energy Simulation Analyst (BESA) who also fulfills the BEMP eligibility requirements

c. Be a *design professional* and a minimum of two years of building energy modeling experience

d. Have a minimum of three years of building energy modeling experience

~~c. an equivalent individual meeting qualifications established by the authority having jurisdiction (AHJ).~~

Exception to 5.2: The modeler qualifications are established by the *authority having jurisdiction* (AHJ).

Informative Note: ASHRAE and AEE are two organizations that can certify a modeler for BEMP or BESA, respectively.

May 2023 Draft for Public Review

TES-1-20XX, Safety Standard for Thermal Energy Storage Systems; Molten Salt

Record 20-2386

4.2.3.1 Tank Requirements. The minimum requirements for the design, construction, installation, commissioning, inspection, and decommissioning of molten salt storage tanks are provided herein. These requirements shall also apply to piping connected internally or externally to the roof, shell, or bottom of the tank, up to the face of the first flange of bolted connections, the first threaded joint on threaded pipe connections, and the first circumferential joint in welding-end pipe connections that are not welded to a flange.
Compliance with the following requirements shall be the responsibility of the tank designer:

…

(g) The tank designer shall determine and consider maximum allowable temperature gradients in the design of the tank.

(~~g~~h) The size and dimensions of each tank shall account for …

(~~h~~i) The metallic materials used in the construction of tanks shall be selected based on the TES process and mechanical requirements at the system operating temperatures. The following shall also be considered:

…

(~~i~~j) When determining the maximum allowable stress on the tank material at design temperature, the effects of anticipated temperatures on the tensile strength, yield strength, and creep resistance of the material shall be taken into consideration. The tensile and yield strength values and physical properties for materials used in tank construction as a function of temperature shall be obtained from ASME BPVC, Section II, Part D. When not listed there, those values shall be provided with the plans and specifications for the tank. Each tank shall be designed using the quality factors and welded-joint efficiency factors of API STD 620 or API STD 650, subject to the modifications and limitations regarding high temperatures in this Standard.

(~~j~~k) The welded joints associated with the shell and bottom of the tank shall be butt joints with complete penetration and complete fusion attained by double welding or other means that obtain the same quality of deposited metal throughout the weld. The roof of the tank shall be either lap welded or butt welded.

(~~k~~l) All tank construction shall have butt-welded annular bottom plates.

(~~l~~m) The attachment between the bottom edge of the lowest course shell plate and the tank bottom shall be a double fillet-groove weld.

(~~m~~n) Nondestructive examination, inspection, and hydrostatic testing of all tanks shall be done in accordance with API STD 620 or API STD 650, subject to the modifications and limitations regarding high temperatures in this Standard.

(~~n~~o) Tanks shall be identified by a nameplate containing at a minimum the information depicted in Figure 4.2.3.1-1. Information on the nameplate shall be clearly stamped using letters and numerals not less than 4 mm (5⁄32 in.) high. At the purchaser's request, or at the manufacturer's discretion, additional pertinent information may be shown on the nameplate, and the size of the nameplate may be increased proportionately. The nameplate shall be displayed in such a manner that it is visible after insulation has been installed.

(~~o~~p) All tanks shall be provided with a minimum of four grounding lugs equally spaced at a maximum of 30 m (100 ft) apart in accordance with API RP 2003 and NFPA 780.

(~~p~~q) In addition to the requirements in (a) through (o), the tank designer shall consider…

4.2.7 Instrumentation and Controls

…

(b) Temperature monitoring devices shall be in place to monitor the tank wall and floor temperature distribution as well as the molten salt temperature distribution and means shall be in place to reduce temperature gradients within the allowable limits considered in the design of the tank.

(~~b~~c) The TES system shall have an audible alarm and visual indication at the energy storage control panel upon failure of any critical component.

(~~c~~d) Controls shall be provided to safely shut down operations in the correct sequence. The designer shall consider the overall system design and any redundancies built into the system.

(~~d~~e) The control system shall show the operational status of all controls.

Record 20-2387

Thermal energy storage system is an engineering system to store energy captured at one time in the form of heat, for use at a later time.

Storage medium is matter used to store energy in the form of heat for use at a later time.

Record 22-233

4 PLANNING AND DESIGN

4.1 Planning

Planning shall be conducted in a manner that supports the safety of the molten salt TES system from system design initiation through construction, installation, testing, commissioning, maintenance, and operation, ending with its decommissioning. ~~Planning shall identify special precautions that shall be taken to protect operating personnel and personnel working near the molten salt TES system.~~

The designer shall take the following steps during the planning phase of the project:

Step 1. ~~Develop a~~ Obtain project design basis document that ~~includes~~ shall include

(a) system description

(b) scope of supply

…

4.2.3 Storage Tank Systems

4.2.3.1 Tank Requirements. The minimum requirements for the design, construction, installation, commissioning, inspection, and decommissioning of molten salt storage tanks are provided herein. These requirements shall also apply to piping connected internally or externally to the roof, shell, or bottom of the tank up to the face of the first flange of bolted connections, the first threaded joint on threaded pipe connections, and the first circumferential joint in welding-end pipe connections that are not welded to a flange.

Compliance with the following requirements shall be the responsibility of the tank designer:

…

(g) Consider the effects of temperature gradients in the tank and document the gradient level at which damage may occur. Means shall be provided to maintain temperature gradients within the allowable limits determined. Monitoring devices shall be in place to monitor the tank wall and floor temperature distribution as well as the molten salt temperature distribution. Means shall be in place to reduce temperature gradients within the allowable limits considered in the design of the tank.

(~~g~~h) The size and dimensions of each tank shall account for

…

(~~h~~i) The metallic materials used in the construction of tanks …

(~~i~~j) When determining the maximum allowable stress on the tank …

(~~j~~k) The welded joints associated with the shell and bottom of the tank …

(~~k~~l) All tank construction shall have butt-welded annular bottom plates.

(~~l~~m) The attachment between the bottom edge of the lowest course shell plate …

(~~m~~n) Nondestructive examination, inspection, and hydrostatic testing of all tanks …

(~~n~~o) Tanks shall be identified by a nameplate

(~~o~~p) All tanks shall be provided with a minimum

(~~p~~q) In addition to the requirements in (a) through (o), the tank designer shall consider…

6 INSPECTION, MAINTENANCE, AND OPERATION

6.1.1 Personal Protective Equipment. Personnel responsible for operation and maintenance and associated inspection and testing activities shall use appropriate personal protective equipment consistent with authority having jurisdiction.

6.1.2 Personnel Training. All personnel involved in the operation and maintenance of the system or any portion of the system shall be trained for their job duties by the system owner or the owner's designated agent consistent with authority having jurisdiction.

Record 22-235

4.2.3.7 Tank Leakage

(a) ~~Means~~ Secondary containment for the TES tanks shall be provided to contain any possible leaks from the tanks. The containment shall have adequate capacity to hold the maximum amount of salt that could leak based on a single tank failure event. ~~Such means be capable of containing the entire volume of salt in the tank.~~

(b) The secondary containment for the TES tanks shall be capable of holding spilled salt in a safe manner until the spill can be remediated. ~~The location of the containment area shall minimize the impact of any leaks on the external environment and shall be designed to facilitate removing tank contents that have solidified as a result of a leak.~~

(c) The secondary containment shall not contain any materials incompatible with the salt.

Record 22-236

4.2.3.4 Tank Immersion Heaters. The requirements herein apply to the heaters immersed into tanks storing molten salt.

(a) Immersion heaters shall have the capacity to produce make-up heat to account for thermal loss associated with the overall tank system.

(b) Depending on the type of salt used, appropriately designed tank immersion heaters may be used to melt salt or remelt frozen salt. The designer shall take into consideration that heating frozen salt from the bottom of the TES tank alone may result in over pressurization and rupture of TES tank.

(~~b~~c) Immersion heaters shall have a sheath surface temperature consistent with the tank contents, and shall have temperature controls to ensure the heater will maintain the molten salt within its design temperature range.

(~~c~~d) Immersion heaters shall be protected against overheating of the heating element.

(~~d~~e) Immersion heaters shall automatically shut off when the molten salt reaches its temperature set point.

(~~e~~f) The design of the molten salt system shall prevent physical access to the immersion heater while any pressure exists in the tank.

(~~f~~g) The design shall make it possible to isolate the heater for maintenance.

(~~g~~h) Immersion heaters shall have automatic controls to ensure the heaters are operational only when the elements of the heater are fully submersed in molten salt.

(~~h~~i) Immersion heaters shall have ground fault protection and a manual means of disconnection in accordance with NFPA 70.

(~~i~~j) When an immersion heater uses a thyristor/siliconcontrolled rectifier (SCR) to provide power switching, the SCR controller shall automatically detect a shorted SCR condition, provide alarm indication, and shut down the heater.

Record 22-237

4.2.5 TES Piping Systems

(a) Piping systems shall be designed, fabricated, examined, and tested in accordance with the requirements of ASME B31.1 or ASME B31.3.

(b) The materials used in piping systems shall be of suitable design for the anticipated operating pressures and temperatures in the system. Materials shall be compatible with the type of molten salt used in the system.

(c) Welded joints are preferred. Mechanical joints are prone to leak. Mechanical joints shall be used only where joints need to be parted frequently such as where component replacement is routine.

(~~c~~d) Piping systems shall be provided with valves to allow isolation from the tanks, pumps, and heat exchangers associated with the molten salt system. Valves, seats, packing, and seals shall be selected based on material compatibility with the type of molten salt used in the system. Valves shall not be capable of an adverse reaction to the type of molten salt used in the system; such adverse reactions include, but are not limited to, metal fires.

(~~d~~e) Each separate piece of equipment in the system shall be capable of being isolated and shall have a drain plug or valve to allow for drainage.

(~~e~~f) The piping system shall be designed to

(1) minimize the number of dead-end branches that can result in stagnation of the molten salt flow

…

(~~f~~g) The operating temperature of exposed pipe surfaces during normal operation shall not exceed 60°C (140°F); otherwise, the pipe surfaces shall be protected to preclude contact.

Record 22-241

5.2.1 Melting the Salt and Filling the Tank. The salt shall be melted and the tank filled in accordance with the provisions herein as a component of the commissioning process. Any proposed methods of filling the TES tanks and melting salts shall take into account safety provisions of this document.

(a) The salts used in the system shall be heated to a temperature in accordance with the salt manufacturer's specifications. Ventilation and exhaust air in sufficient quantities to maintain air quality consistent with that in the ambient air surrounding the installation shall be provided when heating devices produce by-products of combustion. As salt is introduced into the tank, the temperature of the salts shall be maintained within the temperature range specified by the designer.

(b) During the filling process, the level of salt in the tank shall be monitored, and the temperature stratification throughout the tank shall be maintained within tolerances of the internal tank surface and salts in the tank as specified by the tank designer. Monitoring of temperature stratification shall be done in a manner agreed upon by the owner and the parties responsible for design, construction, and commissioning of the tanks.

(c) Consideration shall be given to potentials for toxic ~~Systems that use nitrate salts shall take into consideration~~ gas formation that may occur during the initial salt heating process. Vent piping shall be located to direct effluent gas from the melting system to a safe location away from personnel, areas of the system providing essential services, and other equipment, and in accordance with local environmental regulation.

(d) The melting system used shall be capable of removing insoluble solids from molten salt before the molten salt is put into the main storage tanks.

Record 22-243

6.2.3 Inspection of Parts of the System. The inspection of insulated parts of the system~~, immersion heaters, and heat exchangers~~ shall be conducted in accordance with paras. 6.2.3.1 through 6.2.3.3 respectively and included in the checklist required by para. 6.2.2(b). Inspection ports may be installed to allow for visual inspection and ultrasonic thickness measurement. The number and location of inspection ports shall be selected to provide the desired confidence in the inspection data. More inspection ports may be required to monitor higher risk locations.

Record 22-1673

5.2.2 Initial Functional Performance and Acceptance Testing. The components of the TES system shall be evaluated for proper installation and operation in accordance with the manufacturer~~'s~~' instructions and the commissioning plan ~~prior to final approval~~. This shall include:

(a) Verifying proper installation of molten salt storage tanks, piping, heaters, pumps, heat exchangers, insulation, etc.

(b) On-site melting of the salt and filling the molten salt storage tank(s).

(c) Placing TES system in operation and verification of performance.

(d) Final acceptance.

1001 Levels of Service – DRAFT Standard

NEMTAC has identified the various levels of services required by passengers. In providing these levels of services the assistances provided is commensurate with the needs of the passenger or as defined under contract.

1001.1 Curb-to-Curb Service
Curb-to-Curb service means a type of transportation service where no assistance is needed, on both the origin and destination of the trip and the passenger is located at the curb or outside of the pickup or drop off location.

1001.2 Curb-to-Curb Service with Assistance
Curb-to-Curb service means a type of transportation service where minimal assistance is needed, on either the origin and/or destination of the trip and the passenger is located at the curb or outside of the pickup or drop off location. (i.e., assistance needed for putting wheelchair, crutches, walker into vehicle)

1001.3 Door-to-Door Service
Door-to-Door service means a type of transportation service where service is required from/to the door on both the origin and destination of the trip.

1001.4 Door-through-Door Service
Door-through-Door service means a type of transportation service where service is required from inside the pickup location to the vehicle and from the vehicle to inside the drop off location.

1001.5 Hand to-Hand Service
Hand-to-Hand means a type of transportation service where passenger requires hand off chain of custody at both pick up and drop off locations.

1002 Transfer Services
Transfer services means a type of transportation service where the passenger is non-ambulatory and requires assistance transferring to/from a bed, stretcher, or mobility device at pick up and drop off location.

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

NSF/ANSI Standard
for Wastewater Technology –

Disinfection Mechanics

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7.6.1.4 Optional testing for lower transmittance

There are certain treatment technologies that use organic or natural media (peat, coconut, etc.) as part of the treatment process which affect the UV transmittance. In order to demonstrate that a UV technology can provide disinfection after such technologies, an optional stress test may be performed at the end of the sampling as noted in Section 7.6.1.3. For this optional stress test the UV transmittance shall be adjusted from the range shown in Table 1.1 to a range of 40% to 55% per cm transmittance.

This optional stress test will have a duration of 1 wk at the end of testing according to Section 7.6.1.3 and will include two grab samples of effluent from the UV system. The influent and effluent grab samples shall be collected on Day 3 and Day 7 of the stress test. Results of this optional stress test shall be included in the final report, but the sample results shall not be included in the pass/fail criteria of Section 1.5.

For more information about optional testing for lower transmittance, see Annex I-3.

7.6.1.4.1 UV absorbent

UV absorbent shall be added to the influent to reach the lower transmittance levels in Section 7.6.1.4. The UV absorbent shall be comprised of either:

— vanillin (CAS# 121-33-5) and SuperHume® (or equivalent). The vanillin and SuperHume® shall be combined while maintaining a ratio of 1.0 mg of vanillin to 0.02 mL SuperHume®; or

— sodium thiosulfate. The sodium thiosulfate shall be dissolved in deionized water prior to addition to the test water.

These compounds shall be diluted as needed prior to addition to the test water with deionized water.

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Informative Annex 3

Organic or natural media and ultraviolet light

The information contained in this Annex is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. Therefore, this Annex may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the Standard.

Certain organic or natural media (peat, coconut etc.), demonstrate microbial antagonism toward enteric microorganisms. This simply means that the stressed microorganisms within the wastewater are outcompeted by the indigenous microflora. The low pH and production of certain microbial toxins within the media adversely affects the enteric organisms and as such they are largely ineffective in assimilating nutrients along with other factors which are necessary for their survival. The result is increased log reductions of enteric microorganisms as compared to other treatment processes. This is significant when ultraviolet (UV) disinfection is post natural media treatment. The natural media filter effluent may sometimes have a slight brown-yellow color due to varying concentrations of naturally occurring organic compounds (humic and fulvic acids; tannins) which are occasionally leached out of the media.

The optional lower transmittance UV testing in 7.6.1.4 of this standard is not intended to be a comprehensive evaluation of the disinfection system in prolonged lower UV transmittance conditions. It is intended to demonstrate the effectiveness of the disinfection system in temporary lower transmittance conditions. If prolonged lower transmittance conditions are anticipated, additional testing may be necessary to assure the system will continue to disinfect the effluent.

BSR/UL 923, Standard for Safety for Household Microwave Ovens

1. Bottom Hinged Exception from Two Action Door Open Requirement

PROPOSAL

36A.1.1 The user shall be required to perform two distinct actions to open a door that provides access to the oven cavity. Actions such as slide and pull or twist and push are examples of actions which generally comply with the intent of the requirement. For touch-type controls, touching two different touch pads but not the same touch pad twice meets the intent of the requirement.

Exception: This section does not apply on the following product types:

a) Over-the-cooktop or under-cabinet mounted ovens provided the manufacturer's installation instructions is marked in accordance with 74.6.

b) Built-in or wall-mounted ovens provided either:

1) The manufacturer's installation instructions are marked in accordance with 74.7;

2) The product has a bottom-hinged door; or

3) The product is a drawer microwave.

c) Microwave ovens intended for commercial use only, and marked in accordance with 71.1.3(f).

d) Household, countertop microwave ovens employing a bottom-hinged door provided the manufacturer's installation instructions are in accordance with 74.7 and complies with the requirements of clause 36A.2.1A.

UL 1479, Standard for Safety for Fire Tests of Penetration Firestops

1. Defining Initial Measured Thickness

PROPOSAL

~~9.5.1 When tested as described in 9.5.3 and 9.5.4, samples previously exposed to the environmental exposure conditions shall have an expansion factor within 3 standard deviations (3-sigma) of the mean of the maximum expansion factor of the "as received" samples or have at least 90% of the average maximum expansion factor of the "as received" samples.~~

~~*Exception: Should the specified conditions not be met, the material is to be subjected to the exposure condition for which the largest decrease in performance occurred. The material is then to be installed in a representative firestop system and subjected to the Fire Exposure Test, Section 5. The system shall meet the performance criteria for at least 75% of the F rating period.*~~

9.5.~~2~~ 1 Sets consisting of five 2 ±1/8 in (51 ±3 mm) diameter discs are to be die-cut from material samples. Materials for which die-cutting is not practical (i.e. molded materials, caulks) are to be molded into discs which have diameters of 2 ±1/8 in (51 ±3 mm). The initial thickness of each disc is to be measured to the nearest 0.001 in (30.03 mm) at five locations. Measurements are to be taken as described in 9.5.2. The five measurements are to be averaged to obtain the average thickness. A minimum of one set~~,~~ shall be subjected to the accelerated aging environmental exposure, and a minimum of one set~~,~~ shall be subjected to the high humidity environmental exposure~~, are to be tested. Samples are to be examined, weighed, and measured before and after exposures.~~ Additional sets of samples subjected to the supplemental environmental exposure conditions indicated above are to be tested when applicable. An additional set of samples not subjected to environmental exposures is to be retained "as received". Samples are to be examined, weighed, and measured before any exposures for the purpose of establishing the initial thickness and after exposures for informational purposes only. ~~Additional sets of samples subjected to the supplemental exposure conditions indicated above are to be tested when applicable. Materials for which die-cutting is not practical (i.e. molded materials, caulks) are to be molded into disks which have diameters of 2 in (50.8 mm).~~

9.5.2 Each disc is to be placed inside a test pipe which has an inside diameter not more than 0.08 in (2 mm) larger than the disc. The disc is to be totally covered with a weight having a mass of 5 g/cm^2 (10.2 lbs/ft^2). Measurements are to be made from the top of test pipe to the top of the weight (measured depth) at four locations around the edges of the disc and one from the center. The thickness is to be calculated by subtracting the measured depth and thickness of the weight from the total height of the test pipe. After initial thickness for each disc is determined, discs are to be removed from test pipes and subjected to environmental exposures as necessary.

9.5.3 A muffle furnace capable of maintaining temperatures of 572 ±5°F (300 ±2.7°C) is to be used.

9.5.4 After environmental exposure and examination, weighing and remeasuring as described in 9.5.1 or after initial measurements for the "as received" sample set, ~~The~~

~~thickness of each disc is to be measured to the nearest 0.001 in (.03 mm) at five locations. The five measurements are to be averaged to obtain the average thickness.~~ ~~Each~~ each disc is to be placed inside a test pipe which has an inside diameter not more than 0.08 in (2 mm) larger than the disc. The disc is to be totally covered with a weight having a mass of 5 g/cm2 (10.2 lbs/ft2). The test pipe, containing the disc, is to be placed in the muffle furnace preheated to 572 ±5°F (300 ±2.7°C) for 30 min. After 30 min, the test pipe is to be removed from the muffle furnace and cooled to ambient temperature. After cooling, the ~~minimum and maximum~~ height of char is to be measured to the nearest 0.001 ~~1/16~~ in (~~1.6~~0.03 mm). Measurements are to be taken in the same manner described in 9.5.2 with samples remaining in the test pipes with weights left on top of the samples. The expanded thickness is to be calculated by subtracting the measured depth and thickness of the weight from the total height of the test pipe. The expansion factor is to be calculated ~~using~~ as the ratio of the average expanded thickness to the average initial measured thickness for each disc.

9.5.5 When tested as described in 9.5.1-9.5.4, samples previously exposed to the environmental exposure conditions shall comply with the following:

a) Each sample shall have an expansion factor within 3 standard deviations (3-sigma) of the mean expansion factor of the “as received” samples; or

b) Each sample shall have at least 90% of the mean expansion factor of the “as received” samples.

Exception: Should the specified conditions not be met, the material is to be subjected to the exposure condition for which the largest decrease in performance occurred. The material is then to be installed in a representative firestop system and subjected to the Fire Exposure Test, Section 5. The system shall meet the performance criteria for at least 75% of the F rating period.

BSR/UL 2075, Standard for Safety for Safety for Gas and Vapor Detectors and Sensors

1. Clarification of product marking viewing after installation

PROPOSAL

50.1.1 A product shall be plainly and permanently marked with the ~~following~~ information in a) through m) as applicable.~~, where it shall be visible after installation. Portable instruments that are available with carrying cases shall be marked with the information necessary for the proper operation and understanding of all visual or audible signals.~~ Where impractical due to size, a s~~S~~ensor/detector(s), sensor/detector(s) packaging or a combination of both shall include, at a minimum, the marking information outlined in 50.1.1 a), b), and d). The removal or opening of an enclosure cover or the removal of not more than two securing screws of a cover, or an equivalent arrangement to view a marking, complies with this requirement.

a) Name or trademark ~~(registered)~~ of manufacturer;

b) Model number or other designation method determined to be equivalent;

c) Electrical rating, in volts, amperes, or watts, and frequency for a cord-connected (mains powered) appliance;

d) Date of manufacture by week, month, or quarter and year (abbreviations are not forbidden when an established or otherwise traceable code or serial number is employed);

e) Type of gas that the sensor/detector is intended to detect and, if the sensor is remote from the controller, the type of signal~~ing~~ from the sensor to the control device;

f) Each light, switch, meter, and similar component shall have a marking adjacent to the component to indicate the intended function unless the intended function is obvious;

Exception: For fire alarm and signaling system connected devices designed and installed in accordance with NFPA 72 or NFPA 715, information may be provided at the control unit or in the manufacturer's published instructions.

g) Reference to an installation document, when not attached to the unit, by drawing number and issue date and/or revision level. It is permissible to reference the installation document using an internet URL or bar code that links to the information.;

h) For cord-connected (mains powered) emergency signaling products the following, or other wording that has been determined to be equivalent, shall be marked on the product "Do Not Connect To A Receptacle Controlled By A Switch";

i) The identification of primary batteries by part number, manufacturer model number, or equivalent located adjacent to the component;

j) For a primary battery-operated product, the word "WARNING" and the equivalent shall be included on the unit "Use Only Batteries Specified in Marking. Use Of A Different Battery May Have A Detrimental Effect On Product Operation";

k) With regard to the requirement in 9.8, a warning flag, hinged cover (inside or outside), or equivalent, shall be marked with the word "WARNING" and the following or equivalent text: "Unit is Non-Operational". Letters shall be in a contrasting color and visible from 6 feet (1.83 m);

l) With regard to the requirement in 9.9, a warning flag, hinged cover (inside or outside), or equivalent, shall be marked with the word "WARNING" and the following or equivalent text: "Battery Has Been Removed". Letters shall be in a contrasting color and visible from 6 feet (1.83 m);

m) The sensitivity setting for a device having a fixed setting. When the device is intended to be adjusted in the field, the range of sensitivity shall be indicated. The marked sensitivity shall be indicated in PPM, percent or percentage of LEL.

For carbon monoxide detectors only with thresholds in accordance with UL 2034, only the lowest alarm level need be indicated.

51 Installation Wiring Diagram

51.1 For residential detectors intended to be installed by a homeowner, an~~An~~ installation wiring diagram shall be provided with each product illustrating the field connections to be made. For detectors intended to be installed by professional/commercial (non-consumer) installers, it is permitted to provide the installation information electronically via physical media or the internet. The drawing shall either be attached to the unit or referenced in the marking on the unit by the name or trademark of the manufacturer, drawing number, and issue date and/or revision level. Where devices are packaged in bulk (multiple devices in one single package), are not intended for individual resale, and are not using and electronic means of proving installation instructions, a minimum of one set of paper installation instructions and drawings shall be provided.

BSR/UL 2703, Standard for Safety for Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules

1. Requirements for instructions for installer-supplied components

PROPOSAL

26.1 Rack mounting systems and clamping devices shall be supplied with installation instructions. They shall include:

a) Scope of evaluation (grounding/bonding, fire classification, and/or mechanical loading);

b) A list of all evaluated PV modules or PV module fire types or the statement “To be used only in combination with modules that include this specific rack system in the module manufacturer’s installation manual”;

c) Direction on allowable spans and cantilevers;

d) Torque values necessary for metal-to-metal field connected fasteners;

e) A representative diagram of the rack mounting system; ~~and~~

f) Description, illustration, and part number to clearly identify each component of the rack mounting system, including material specifications and finish of structural components, and the following: “Only the components described in these instructions have been evaluated to UL 2703.” and

g) ~~Exception:~~ When instructions furnished with a rack mounting system specify hardware that is commonly available commercially, the manufacturer shall not be required to provide the hardware with the unit, nor show an illustration of such hardware, however, the description and/or part number shall include details that ensure that installer-procured components meet the relevant specifications. Additionally, for parts that the manufacturer allows to be procured by the installer, the following or equivalent shall be included: “It is the responsibility of the installer to procure components meeting the specifications provided in this manual.”