



Technical Standards Program

ESTA Standards Watch

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Five ESTA docs in public review

Five documents are available for public review through May 23 on the ESTA TSP website at https://tsp.esta.org/tsp/documents/public_review_docs.php. The downloads are free.

BSR E1.68, Recommended Practice for Compliance and Interoperability in DMX512-A Systems, is a new draft standard, a recommended practice for evaluating DMX512-A (ANSI E1.11) equipment interoperability, to help minimize problems in the field associated with violations of critical elements of the standard. The recommended practice does not attempt to assure 100% compliance with all requirements in the ANSI E1.11 standard; it will focus on those that have been proven to make interoperability unlikely or unreliable.

BSR E1.76, Wire Rope Tension Grids, is a new draft standard for wire rope tension grids covering design and application criteria, including the loading, self-weight considerations, transitions between levels, and suspension from structure. It provides deflection criteria for structural elements and the woven mesh. The standard offers guidance on openings, including trap doors and bays similar to loft-wells. It provides requirements for hand rails and step units, and considerations for other accessories.

E1.32, Guide for the Inspection of Entertainment Industry Incandescent Lamp Luminaires. ANSI E1.32 is being considered for reaffirmation. The document provides guidance in the inspection of stage and studio luminaires that use incandescent sources and that are used in the entertainment industry. The inspection is to

evaluate their safety and any needed maintenance. The information contained in this document is intended to supplement the information contained in manufacturer's maintenance instructions.

E1.37-1, Additional Message Sets for ANSI E1.20 (RDM) -- Part 1, Dimmer Message Sets. ANSI E1.37-1 is being considered for reaffirmation. It provides additional get/set parameter messages (PIDs). Most of the messages in this document are intended for use with entertainment lighting dimming systems. These additional messages allow access to configuration parameters commonly found in many theatrical dimming systems.

E1.58, Electrical Safety Standard for Portable Stage and Studio Equipment Used Outdoors, identifies hazards associated with the outdoor use of portable stage and studio lighting equipment and portable power distribution equipment that is not identified (listed) for outdoor use. It recommends practices for qualified personnel to use to mitigate the identified hazards at outdoor entertainment events and media production sites in the United States. The existing standard is being considered for reaffirmation.

The reviews are over when May 24 starts. May 23 is the last day to submit comments.

FCC lengthens list of national security threats

The Federal Communications Commission's Public Safety and Homeland Security Bureau has added equipment and services from three Russian and Chinese entities to its list of communications equipment and services that have been deemed a threat to national security, consistent with requirements in the Secure and Trusted Communications Networks Act of 2019. The entities are:

- AO Kaspersky Lab,
- China Telecom (Americas) Corp, and
- China Mobile International USA Inc.

The Secure and Trusted Communications Networks Act requires the Commission to publish and maintain a list of communications equipment and services that pose an unacceptable risk to national security or the security and safety of U.S. persons. The FCC published the initial list in March 2021, and will continue to update the list as other communications equipment and services meet the criteria under the law.

The public notice announcing the action is available at <https://docs.fcc.gov/public/attachments/DA-22-320A1.pdf>. The full "Covered List" is available at <https://www.fcc.gov/supplychain/coveredlist>.

WTO Technical Barrier to Trade notifications

Notify US, the U.S. Department of Commerce's service to announce Technical Barrier to Trade filings, has announced TBTs that may be of interest to *Standards Watch* readers. If you have a problem with any TBT, you can protest through your representative to the World Trade Organization.

Chile Notification CHL/590

Date issued: 17 March 2022

Agency responsible: Ministry of the Environment

National inquiry point: Ministry of Foreign Affairs, General Directorate of International Economic Affairs (DIRECON)

Products covered: Cells and electrical and electronic equipment

Title: Aprueba anteproyecto de decreto supremo que establece metas de recolección y valorización y otras obligaciones asociadas de pilas y aparatos eléctricos y electrónicos (P+AEE) (Approval of preliminary draft Supreme Decree establishing collection and recovery targets and other obligations relating to cells and electrical and electronic equipment) (31 pages in Spanish)

Description of content: The notified document, which is undergoing a national public consultation, is aimed at establishing collection and recovery targets and other obligations relating to the priority products, cells and electrical and electronic equipment, in order to prevent the creation of waste and encourage their reuse and recovery.

This instrument shall apply to cells and electrical and electronic equipment introduced to the market, with specified exceptions. The following categories are established to regulate the obligations:

1. Large Equipment: electrical and electronic equipment with an external dimension greater than 50 centimetres.
 2. Small Equipment: electrical and electronic equipment not included in the Large Equipment category.
 3. Large Cells: cells weighing more than 5 kilograms.
 4. Small Cells: cells not included in the Large Cells category.
- Subcategories are also specified. In order to regulate obligations, the following subcategories are established in the Large Equipment category:
1. Temperature Exchange Equipment.
 2. Other Large Equipment.
 3. Photovoltaic Panels.

Extended Producer Responsibility shall apply to those introducing cells and electrical and electronic equipment within the scope of application to the domestic market. Notwithstanding the above, products in the Large Cells category and the Photovoltaic Panels subcategory shall not be subject to the collection and recovery targets.

Producers' obligations and the ways in which they may be held accountable for their products can be assessed through individual and collective management systems, and all related reporting obligations, including the incorporation of a formula for calculating the guarantee in order to ensure fulfilment of the related targets and obligations.

Collection and recovery targets for waste cells and electrical and electronic equipment are proposed and, using a management system, the producers of such "products" must comply with these targets relative to the total amount of cells and electrical and electronic equipment they have introduced into the domestic market. The related obligations for producers are also described in the preliminary draft, specifying the roles and responsibilities of cell marketers and producers. Obligations include: providing a service to pick up waste from marketers; designing, covering and operating reception and storage facilities; organizing a home collection service for the waste in question; and providing information, namely, management systems must inform distributors, marketers, managers and consumers of the relevant waste management costs. This title also specifies the role and responsibility of managers, including the technical requirements for waste management. Lastly, this title includes the role and responsibility of industrial consumers and also refers to restrictions on dangerous substances in products.

The last titles refer to the obligations and options, including the reverse logistics of this waste, and to other actors, such as waste pickers, municipalities and consumers.

Objective and rationale: Protection of the environment

Relevant documents: - Ley N° 18.575, Orgánica Constitucional de Bases Generales de la Administración del Estado Decreto con Fuerza de Ley N° 1/19.653, de 2000, del Ministerio Secretaría General de la Presidencia.

- Resolución Exenta N° 249, del 20 de marzo de 2020, del Ministerio del Medio Ambiente-Subsecretaría del Medio Ambiente, que instruye medidas extraordinarias de visación de documentos del Ministerio del Medio Ambiente-Subsecretaría del Medio Ambiente a raíz de la alerta sanitaria por emergencia de salud pública de importancia internacional (ESPII) por brote de coronavirus (COVID-19) .

- Resolución N° 7, de 2019, de la Contraloría General de la República, que fija normas sobre exención de trámite de toma de razón.

- Ley N° 19.300, sobre Bases Generales del Medio Ambiente.

- Decreto Supremo N° 8, de 2017, del Ministerio del Medio Ambiente, Reglamento que regula el procedimiento de elaboración de los decretos supremos establecidos en la Ley N° 20.920.

- Resolución Exenta N° 310, del 16 de abril de 2021, del Ministerio del Medio Ambiente, que pone término al proceso que se indica y da inicio al proceso de elaboración del decreto supremo que establece metas de recolección y valorización y otras obligaciones asociadas de pilas y aparatos eléctricos y electrónicos, y regula un sistema de depósito y reembolso.

- Resolución Exenta N° 524, de 4 de junio de 2021, del Ministerio del Medio Ambiente, que convoca a representantes para integrar el comité operativo ampliado que participará en la elaboración del decreto supremo que establece metas de recolección y valorización y otras obligaciones asociadas de pilas y aparatos eléctricos y electrónicos, y regula un sistema de depósito y reembolso.

- Resolución Exenta N° 675, de 7 de julio de 2021, del Ministerio del Medio Ambiente, que designa integrantes del comité operativo ampliado que participará en la elaboración del decreto supremo que establece metas de recolección y valorización y otras obligaciones asociadas de pilas y aparatos eléctricos y electrónicos, y regula un sistema de depósito y reembolso.

- Resolución Exenta N° 1543, de 31 de diciembre de 2021, del Ministerio del Medio Ambiente-Subsecretaría del Medio Ambiente, que amplía aplicación de las medidas extraordinarias de visación de documentos del Ministerio del Medio Ambiente-Subsecretaría del Medio Ambiente, a raíz de la alerta sanitaria por emergencia de salud pública de importancia internacional (ESPII) por brote de coronavirus (COVID-19).

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 16 April 2022

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/CHL/full_text/pdf/CHL590\(spanish\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CHL/full_text/pdf/CHL590(spanish).pdf)

United States of America Notification USA/1844

Date issued: 18 March 2022

Agency responsible: Federal Communications Commission (FCC)

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Equipment authorization

Title: Updating References to Standards Related to the Commission's Equipment Authorization Program (11 pages in English)

Description of content: Proposed rule - In this document, the Federal Communications Commission (Commission) proposes targeted updates to its rules to incorporate new and updated standards that are integral to the testing of equipment and accreditation of laboratories that test RF devices.

Objective and rationale: Prevention of deceptive practices and consumer protection; Quality requirements

Relevant documents: 87 Federal Register (FR) 15180, 17 March 2022; Title 47 Code of Federal Regulations (CFR) Parts 2, 15, 68, and 73: <https://www.govinfo.gov/content/pkg/FR-2022-03-17/pdf/2022-05190.pdf>

The full text of the Proposed Rule is available at <https://www.fcc.gov/document/fcc-proposes-updates-standards-used-equipment-authorization>. This proposed rule is identified by IB Docket No. 21-363. The Docket Folder is available on the FCC's website at <https://www.fcc.gov/edocs/search-results?t=quick&dockets=21-363> and provides access to primary documents as well as comments received (if any). Documents are also accessible from the FCC's Electronic Document Management System (EDOCS) by

searching the IB Docket Number. Comments are due on or before 18 April 2022; reply comments are due on or before 16 May 2022. WTO Members and their stakeholders are asked to submit comments to the USA TBT Enquiry Point by or before 4pm Eastern Time on 18 April 2022. Comments received by the USA TBT Enquiry Point from WTO Members and their stakeholders will be shared with the regulator and will also be submitted to the FCC Electronic Comment Filing System (ECFS) if received within the comment period. G/TBT/N/USA/1483 - FCC Office of Engineering and Technology (OET) Seeks Comment on Modifying the Equipment Authorization Rules To Reflect the Updated Versions of the Currently Referenced ANSI C63.4 and ISO/IEC 17025 Standards; Proposed Rule identified by Docket No. 19-48.

G/TBT/N/USA/1020 and subsequent addenda - Equipment Authorization and Electronic Labeling for Wireless Devices

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 18 April 2022

Full text: <https://www.govinfo.gov/content/pkg/FR-2022-03-17/pdf/2022-05190.pdf>

India Notification IND/229

Date issued: 17 March 2022

Agency responsible: Department of Telecommunications (DoT)

National inquiry point: International Relations and Technical Information Services Department, Bureau of Indian Standards (BIS)

Products covered: HS 8517, 8525; Telephone sets, incl. telephones for cellular networks or for other wireless networks; other apparatus for the transmission or reception of voice, images or other data, incl. apparatus for communication in a wired or wireless network [such as a local or wide area network]; parts thereof (excl. than transmission or reception apparatus of heading 8443, 8525, 8527 or 8528) (HS 8517); Transmission apparatus for radio-broadcasting or television, whether or not incorporating reception apparatus or sound recording or reproducing apparatus; television cameras, digital cameras and video camera recorders (HS 8525)

Title: Amendment to Notification on Mandatory Testing and Certification of Telecommunication Systems (MTCTE) - Phase III & IV

Description of content: Testing and Certification requirements under MTCTE scheme were notified through Indian Telegraph (Amendment) Rules, 2017 [WTO TBT Notification G/TBT/IND66]. MTCTE Scheme is being launched in a phased manner and telecom products are gradually being brought under MTCTE regime. This is an amendment to the notification issued for MTCTE Phase III & IV published vide G/TBT/N/IND/218 on 15 November 2021.

Objective and rationale: To ensure the safety of users and Security of telecom network; Protection of human health or safety; Quality requirements

Relevant documents:

- Amendment to Notification for the launch of MTCTE Phase - III and Phase IV dated 31 January 2022: https://www.mtcte.tec.gov.in/filedownload?name=Notification_downloadDocument_Amend02012022.pdf
- Notification for the launch of MTCTE Phase - III and Phase IV dated 22 September 2021: https://www.mtcte.tec.gov.in/File?path=Notification_MTCTE_3_4.pdf

Final date for comments: 16 May 2022

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/IND/full_text/pdf/IND229\[1\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/IND/full_text/pdf/IND229[1](english).pdf) and [https://tsapps.nist.gov/notifyus/docs/wto_country/IND/full_text/pdf/IND229\[2\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/IND/full_text/pdf/IND229[2](english).pdf)

ANSI public review announcements

The following documents have been announced for public review by ANSI and may be of material interest to *Standards Watch* readers. If you have comments on them, please send your comments before the deadline to the person indicated and to ANSI's Board of Standards Review at psa@ansi.org.

Due 2 May 2022

BSR Z535.1-202x, Standard for Safety Colors (revision of ANSI Z535.1-2017)

This standard provides a system for specifying safety colors, in terms of Munsell notations, CIE colorimetric data, defined chromaticity regions, and color formulas for each ANSI and ISO safety color used on safety signs, labels, and tags. It is beyond the scope of this standard to provide in-depth instructions for color measurement. It is beyond the scope of this standard to address the color of safety sign, label or tag substrates.

Single copy price: \$156.00

Order from and send comments to Paul Orr, pau_orr@nema.org

BSR Z535.3-202x, Criteria for Safety Symbols (revision of ANSI Z535.3-2011 (R2017))

This standard provides general criteria for the design, evaluation, and use of safety symbols to identify and warn against specific hazards and to provide information to avoid personal injury.

Single copy price: \$220.00

Order from and send comments to Paul Orr, pau_orr@nema.org

Due 9 May 2022

BSR Z535.5-202x, Safety Tags and Barricade Tapes (for Temporary Hazards) (revision of ANSI Z535.5-2011 (R2017))

This standard sets forth requirements for the design, application, and use of safety tags and barricade tapes for temporary hazards. They shall be used only until the identified hazard is eliminated, or the hazardous operation is completed. For example, a safety tag would be appropriate for use during lock-out/tag-out procedures or on a damaged tool until it can be properly removed from the work area. Barricade tape would be suitable to mark an area affected by a chemical spill or an open and temporary trench.

Single copy price: \$175.00

Order from and send comments to Paul Orr, pau_orr@nema.org

Due 17 May 2022

INCITS/ISO/IEC 19075-1:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 1: XQuery regular expressions (identical national adoption of ISO/IEC 19075-1:2021)

Describes the regular expression support in SQL (ISO/IEC 9075-2) adopted from the regular expression syntax of XQuery and XPath Functions and Operators 3.1, which is derived from Perl.

Single copy price: \$149.00

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

Send comments to comments@standards.incits.org

INCITS/ISO/IEC 19075-2:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 2: Time-related information (identical national adoption of ISO/IEC 19075-2:2021)

Describes the support in SQL for time-related information. This document discusses the following features of the SQL language:

- Time-related data types;
- Operations on time-related data;
- Time-related predicates;
- Application-time period tables;
- System-versioned tables; and
- Bi-temporal tables.

Single copy price: \$175.00

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

Send comments to comments@standards.incits.org

INCITS/ISO/IEC 19075-3:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 3: SQL embedded in programs using the Java programming language (identical national adoption of ISO/IEC 19075-3:2021)

This document describes the support for the use of SQL within programs written in Java. This document discusses the following features of the SQL language:

- The embedding of SQL expressions and statements in programs written in the Java programming language.

Single copy price: \$149.00

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

Send comments to comments@standards.incits.org

INCITS/ISO/IEC 19075-4:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 4: Routines and types using the Java programming language (identical national adoption of ISO/IEC 19075-4:2021)

This document provides a tutorial of SQL routines and types using the Java programming language. This document discusses the following features of the SQL Language:

- The use of routines written in the Java programming language within SQL expressions and statements;
- The use of user-defined types written in the Java programming language within SQL expressions and statements.

Single copy price: \$200.00

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

Send comments to comments@standards.incits.org

INCITS/ISO/IEC 19075-5:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 5: Row pattern recognition (identical national adoption of ISO/IEC 19075-5:2021)

Discusses the syntax and semantics for recognizing patterns in rows of a table, as defined in ISO/IEC 9075-2, commonly called "SQL/RPR". SQL/RPR defines two features regarding row pattern recognition:

- Feature R010, "Row pattern recognition: FROM clause";
- Feature R020, "Row pattern recognition: WINDOW clause".

These two features have considerable syntax and semantics in common, the principle difference being whether the syntax is placed in the FROM clause or in the WINDOW clause.

Single copy price: \$225.00

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

Send comments to comments@standards.incits.org

INCITS/ISO/IEC 19075-6:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 6: Support for JSON (identical national adoption of ISO/IEC 19075-6:2021)

Describes the support in SQL for JavaScript Object Notation. This document discusses the following features of the SQL language:

- Storing JSON data;
- Publishing JSON data;
- Querying JSON data;and

- SQL/JSON data model and path language.
Single copy price: \$250.00
Order from <http://webstore.ansi.org/>
Send comments to comments@standards.incits.org

INCITS/ISO/IEC 19075-7:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 7: Polymorphic table functions (identical national adoption of ISO/IEC 19075-7:2021)

This document describes the definition and use of polymorphic table functions in SQL. The Report discusses the following features of the SQL Language:

- The processing model of polymorphic table functions in the context of SQL;
- The creation and maintenance of polymorphic table functions;
- Issues related to methods of implementing polymorphic table functions;
- How polymorphic table functions are invoked by application programs; and
- Issues concerning compilation, optimization, and execution of polymorphic table functions.

Single copy price: \$250.00
Order from <http://webstore.ansi.org/>
Send comments to comments@standards.incits.org

INCITS/ISO/IEC 19075-8:2021 [202x], Information technology - Guidance for the use of database language SQL - Part 8: Multidimensional arrays (identical national adoption of ISO/IEC 19075-8:2021)

Describes the definition and use of multidimensional arrays in SQL. Multidimensional arrays represent a core underlying structure of manifold science and engineering data. It is generally recognized today, therefore, that arrays have an essential role in Big Data and should become an integral part of the overall data type orchestration in information systems. This document discusses the syntax and semantics of operations on the MD-array data type defined in ISO/IEC 9075-15.

Single copy price: \$225.00
Order from <http://webstore.ansi.org/>
Send comments to comments@standards.incits.org

Due 31 May 2022

The National Fire Protection Association has announced the availability of the NFPA First Draft Reports for concurrent review and comment by NFPA and ANSI. These First Draft Reports contain the disposition of public inputs that were received for standards in the Annual 2023 Revision Cycle.

The First Draft Report is located on the document's information page under the next edition tab. The document's specific URL, www.nfpa.org/doc#next (for example www.nfpa.org/101next), can easily access the document's information page. All Comments on standards in the Annual 2023 Revision Cycle must be submitted by May 31, 2022. The disposition of all comments received from the review of the First Draft Report will be published in the Second Draft Report, and also will be available on the document's information page under the next edition tab.

BSR/NFPA 70E-202x, Standard for Electrical Safety in the Workplace (revision of ANSI/NFPA 70E-2021)

This standard addresses electrical safety-related work practices, safety-related maintenance requirements, and other administrative controls for employee workplaces that are necessary for the practical safeguarding of employees relative to the hazards associated with electrical energy during activities such as the installation, inspection, operation, maintenance, and demolition of electric conductors, electric equipment, signaling and communications, conductors and equipment, and raceways. This standard also includes safe work practices for employees performing other work activities that can expose them to electrical hazards as well as safe work practices for the following: (1) Installation of conductors and equipment that connect to the supply of electricity; (2) Installations used by the electric utility, such as office buildings, warehouses, garages, machine shops, and recreational buildings that are not an integral part of a generating plant, substation, or control center.

Informational Note: This standard addresses safety of workers whose job responsibilities entail interaction with electrical equipment and systems with potential exposure to energized electrical equipment and circuit parts.

Concepts in this standard are often adapted to other workers whose exposure to electrical hazards is unintentional or not recognized as part of their job responsibilities. The highest risk for injury from electrical hazards for other workers involve... [Too many words. Ran out of space in ANSI's *Standards Action*]

Access and comment at www.nfpa.org/70ENext

BSR/NFPA 101-202x, Life Safety Code (revision of ANSI/NFPA 101-2021)

The following is a suggested procedure for determining the Code requirements for a building or structure: (1) Determine the occupancy classification by referring to the occupancy definitions in Chapter 6 and the occupancy Chapters 12 through 42. (See 6.1.14 for buildings with more than one use.) (2) Determine if the building or structure is new or existing. (See the definitions in Chapter 3.) (3) Determine the occupant load. (See 7.3.1.) (4) Determine the hazard of contents. (See Section 6.2.) (5) Refer to the applicable occupancy chapter of the Code, Chapters 12 through 42. [See Chapters 1 through 4 and Chapters 6 through 11, as needed, for general information (such as definitions) or as directed by the occupancy chapter.] (6) Determine the occupancy subclassification or special use condition, if any, by referring to Chapters 16 and 17, daycare occupancies; Chapters 18 and 19, health care occupancies; Chapters 22 and 23, detention and correctional occupancies; Chapters 28 and 29, hotels and dormitories; Chapters 32 and 33, residential board and care occupancies; Chapters 36 and 37, mercantile occupancies; and Chapter 40, industrial occupancies, which contain subclassifications or special use definitions. (7) Proceed through the applicable occupancy chapter to verify compliance with . . . [Ran out of space]

Access and comment at www.nfpa.org/101Next

BSR/NFPA 5000-202x, Building Construction and Safety Code (revision of ANSI/NFPA 5000-2021)

The Code does not address features that solely affect economic loss to private property. The Code addresses those construction, protection, and occupancy features necessary to minimize danger to life and property.

Access and offer comments at www.nfpa.org/5000Next

New ANS projects

ANSI has announced the following new projects that might materially affect *Standards Watch* readers—or at least be interesting. Contact the developer if you (a) want to be involved in a project, (b) object to a project and wish it to be abandoned, or (c) if you would like to point out that a scope is covered by an existing standard, thereby possibly making a project redundant or conflicting.

BSR/ASSP/ISO 31073-202x, Risk Management - Vocabulary (identical national adoption of ISO 31073-2022 and revision of ANSI/ASSE Z690.1-2011)

This document defines generic terms related to the management of risks faced by organizations.

Contact Lauren Bauerschmidt, LBauerschmidt@assp.org

INCITS/ISO/IEC 14496-12:2022 [202x], Information technology - Coding of audio-visual objects - Part 12: ISO base media file format (identical national adoption of ISO/IEC 14496-12:2022 and revision of INCITS/ISO/IEC 14496-12:2020 [2021])

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

Contact Deborah Spittle, comments@standards.incits.org

INCITS/ISO/IEC 15444-4:2021 [202x], Information technology - JPEG 2000 image coding system - Part 4: Conformance Testing (identical national adoption of ISO/IEC 15444-4:2021 and revision of INCITS/ISO/IEC 15444-4:2004 [R2018])

Specifies the framework, concepts, methodology for testing, and criteria to be achieved to claim compliance to Rec. ITU-T T.800 | ISO/IEC 15444-1 or Rec. ITU-T T.814 | ISO/IEC 15444-15. It provides a framework for specifying abstract test suites (ATs) and for defining the procedures to be followed during compliance testing.

Contact Deborah Spittle, comments@standards.incits.org

INCITS/ISO/IEC 15444-5:2021 [202x], Information technology - JPEG 2000 image coding system - Part 5: Reference software (identical national adoption of ISO/IEC 15444-5:2021 and revision of INCITS/ISO/IEC 15444-5:2015 [2019])

Defines a set of lossless and lossy compression methods for coding continuous-tone, bi-level, grey scale, or colour digital still images. This Recommendation | International Standard provides three independently created software reference implementations of Rec. ITU-T T.800 | ISO/IEC 15444-1, in order to assist implementers of

Rec. ITU-T T.800 | ISO/IEC 15444-1 in testing and understanding its content. The packages are JASPER, JJ2000 and OPENJPEG.
Contact Deborah Spittle, comments@standards.incits.org

INCITS/ISO/IEC 15444-16:2021 [202x], Information technology - JPEG 2000 image coding system - Part 16: Encapsulation of JPEG 2000 images into ISO/IEC 23008-12 (identical national adoption of ISO/IEC 15444-16:2021 and revision of INCITS/ISO/IEC 15444-16:2019 [2021])
Specifies the encapsulation of image formats specified in the JPEG 2000 family of Recommendations | International Standards in the framework defined in ISO/IEC 23008-12.
Contact Deborah Spittle, comments@standards.incits.org

BSR MH30.1-202X, Design, Testing, and Utilization of Dock Leveling Devices (revision of ANSI MH30.1-2015)
This standard applies to dock-leveling devices used in loading dock applications. A dock-leveling device is a manufactured structure designed to span and compensate for space and height differentials between a loading dock and a transport vehicle to facilitate freight transfers in an effective and efficient manner. The three types of dock-leveling devices within the scope of this standard include dock-faced mounted type, fixed type, and rail dock-leveling devices.
Contact Patrick Davison, pdavison@mhi.org

Final actions on American National Standards

The documents listed below may be of interest to *Standards Watch* readers and have been approved by the ANSI Board of Standards Review or by an ANSI-Audited Designator on the date noted.

ANSI/CSA T200-2022, Evaluation of software development and cybersecurity programs (new standard), 10 March 2022

ANSI/IES/IUVA LM-92-2022, Approved Method: Optical and Electrical Measurement of Ultraviolet LEDs (new standard), 10 March 2022

ANSI/UL 1682-2022, Standard for Safety for Plugs, Receptacles, and Cable Connectors of the Pin and Sleeve Type Configurations (revision of ANSI/UL 1682-2017), 11 March 2022

ANSI/UL 263-2022, Standard for Fire Tests of Building Construction and Materials (April 30, 2021) (revision of ANSI/UL 263-2021), 14 March 2022

ANSI/UL 4600-2022, Standard for Safety for the Evaluation of Autonomous Products (revision of ANSI/UL 4600-2020), 15 March 2022

AES announces new AES75 standard for loudspeaker measurement

The Audio Engineering Society has announced the adoption and publication of AES75-2022, AES standard for acoustics - Measuring loudspeaker maximum linear sound levels using noise. The new standard addresses the need for a practical and cohesive procedure for the prediction of loudspeaker performance by providing a detailed procedure as well as a specific test signal, M-Noise, whose RMS and peak levels as functions of frequency have been shown to better represent typical program material. The M-Noise test signal is based on Meyer Sound's analysis of hundreds of music selections spanning all genres.

More information about AES75-2022, AES standard for acoustics - Measuring loudspeaker maximum linear sound levels using noise, can be found in the Audio Engineering Society's Standards [News Blog](#). The [AES75 standard](#) as well as the [M-Noise signals and coherence test tracks](#) are available for download at aes.org.

Draft IEC & ISO documents

This section lists proposed documents that the IEC or the ISO or both are considering for approval and that may be of interest to *Standards Watch readers*. Anyone interested in reviewing and commenting on a document should order a copy from their national representative and submit their comments through them. Comments from US citizens on ISO documents must be sent to the ISO Team (isot@ansi.org). The comments on ISO documents must be submitted electronically in the approved ISO template and as a Word document; other formats will not be accepted. US comments should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (tzertuche@ansi.org). Any prices shown are for purchases through ANSI. (Not all have prices.) The sort order is first by due date then by the project identifier alphanumeric. Some of the due dates are in the past, but the dates shown are what were given.

ISO/IEC FDIS 23093-3, Information technology - Internet of media things - Part 3: Media data formats and APIs; 2020-11-20 [sic]; \$269.00

ISO/FDIS 37181, Smart community infrastructures – Smart transportation by autonomous vehicles on public roads; 2020-12-18 [sic]; \$53.00

ISO/FDIS 37110, Sustainable cities and communities -Management requirements and recommendations for open data for smart cities and communities - Overview and general principles; 2021-02-07 [sic]; \$46.00

ISO/FDIS 37182, Smart community infrastructures – Smart transportation for fuel efficiency and pollution emission reduction in bus transportation services; 2021-03-07 [sic]; \$58.00

ISO/FDIS 12006-3, Building construction - Organization of information about construction works - Part 3: Framework for object-oriented information; 2021-06-10 [sic]; \$112.00

ISO/DIS 14119.2, Safety of machinery - Interlocking devices associated with guards - Principles for design and selection; 2022-01-16 [sic]; \$165.00

ISO/DIS 25062, Systems and software engineering - Systems and Software Quality Requirements and Evaluation (SQuaRE) -Common Industry Format (CIF) for usability: Quantitative usability test report; 2022-01-16 [sic]; \$82.00

JTC1-SC25/3083/CD, 15045-3-1: Information technology – Home Electronic System (HES) gateway - Part 3-1: Introduction to privacy, security, and safety; 2022-05-06

JTC1-SC25/3084/CD, 15045-3-2: Information technology – Home Electronic System - HES Gateway Privacy Framework; 2022-05-06

JTC1-SC25/3088/CD, ISO/IEC 18012-3 ED1: Information Technology - Home Electronic System - Guidelines for product interoperability - Part 3: Lexicon; 2022-05-13

JTC1-SC25/3089/CD, ISO/IEC 18012-4 ED1: Information Technology - Home Electronic System - Guidelines for product interoperability - Part 4: Event encoding; 2022-05-13

ISO/DIS 22393, Security and resilience - Community resilience -Guidelines for planning recovery and renewal; 2022-05-26; \$107.00

ISO/IEC DIS 11179-1, Information technology – Metadata registries (MDR) - Part 1: Framework ; 2022-06-02; \$107.00

ISO/IEC DIS 11179-3, Information technology – Metadata registries (MDR) - Part 3: Metamodel for registry common facilities; 2022-06-02; \$165.00

ISO/IEC DIS 11179-31, Information technology – Metadata registries (MDR) - Part 31: Metamodel for data specification registration; 2022-06-02; \$155.00

ISO/IEC DIS 11179-32, Information technology – Metadata registries (MDR) - Part 32: Metamodel for concept system registration; 2022-06-02; \$146.00

ISO/IEC DIS 11179-6, Information technology – Metadata registries (MDR) - Part 6: Registration; 2022-06-02; \$125.00

ISO/IEC/IEEE DIS 24748-6, Systems and software engineering -Life cycle management - Part 6: System and software integration; 2022-06-02; \$112.00

23E/1243/CDV, IEC 61540 ED2: Electrical accessories – Portable residual current devices without integral overcurrent protection for household and similar use (PRCDs); 2022-06-03

CIS/H/451/CD, IEC 61000-6-3/AMD1/FRAG2 ED3: Amendment 1/Fragment 2: Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential environments; 2022-06-03

ISO/IEC DIS 11179-30, Information technology – Metadata registries (MDR) - Part 30: Basic attributes of metadata; 2022-06-03; \$53.00

ISO/IEC DIS 11179-33, Information technology – Metadata registries (MDR) - Part 33: Metamodel for data set registration; 2022-06-03; \$102.00

ISO/IEC DIS 11179-35, Information technology – Metadata registries (MDR) - Part 35: Metamodel for model registration; 2022-06-03; \$146.00

SyCSM/64/NP, PNW TS SYCSM-64 ED1: Systems Reference Deliverable (SRD) Template for Smart Manufacturing Use Cases; 2022-06-03

ISO/IEC DIS 27036-3, Cybersecurity - Supplier relationships – Part 3: Guidelines for hardware, software, and services supply chain security; 2022-06-04; \$112.00

ISO/DIS 30435, Human resource management - Workforce data quality; 2022-06-05; \$62.00

82/2028/DTS, IEC TS 62257-100 ED1: Renewable energy offgrid systems - Part 100: Overview of the IEC 62257 series; 2022-06-10

ISO/IEC/IEEE DIS 24748-9, Systems and software engineering - Life cycle management - Part 9: Application of system and software life cycle processes in epidemic prevention and control systems; 2022-06-10; \$112.00

Recently published IEC & ISO documents

Listed here are documents recently approved by the IEC or ISO and listed in ANSI's *Standards Action* that may be of use or interest to *Standards Watch* readers. Prices shown are for purchases from the [ANSI Webstore](#).

ISO/IEC 19540-1:2022, Information technology – Object Management Group Unified Architecture Framework (OMG UAF) - Part 1: Domain Metamodel (DMM), \$250.00

ISO/IEC 19540-2:2022, Information technology – Object Management Group Unified Architecture Framework (OMG UAF) - Part 2: Unified Architecture Framework Profile (UAFP), \$250.00

ISO/IEC 21823-4:2022, Internet of things (IoT) – Interoperability for IoT systems - Part 4: Syntactic interoperability, \$200.00

ISO/IEC TR 3445:2022, Information technology - Cloud computing - Audit of cloud services, \$200.00

TSP meeting schedule

The meeting schedule webpage is <https://www.esta.org/ESTA/meetings.php>. There's nothing listed now, as this is being written, but the next set of meetings will be planned around the NAMM Show in Anaheim, but the schedule is not set yet. Attendance will be in-person and via WebEx. Take your pick!

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The archive of *Standards Watch* issues back to the beginning of 2011 is available at <http://estalink.us/nn7a1>.

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