



Technical Standards Program

ESTA Standards Watch

May 2022 Volume 26, Number 9

Table of Contents

Four new ESTA standards available.....	1
Five ESTA docs in public review.....	2
Call for interest in a weapons safety working group.....	2
Behind the Scenes seeks designers for 2022 Holiday Cards.....	3
ESTA partners with Netflix to increase workforce diversity.....	3
ANSI seeks comments on proposed ISO technical committee on smart distribution in logistics.....	4
WTO Technical Barrier to Trade notifications.....	4
United States of America Notification USA/1855.....	4
Japan Notification JPN/737.....	5
Viet Nam Notification VNM/221.....	5
Canada Notification CAN/671.....	6
ANSI public review announcements.....	6
Due 13 June 2022.....	6
Due 20 June 2022.....	7
Due 28 June 2022.....	8
CSA public review announcements.....	8
Due 13 June 2022.....	8
Due 17 June 2022.....	9
New ANS projects.....	9
Final actions on American National Standards.....	9
Draft IEC & ISO documents.....	9
Recently published IEC & ISO documents.....	11
TSP meeting schedule.....	12
Investors in Innovation, supporters of ESTA's Technical Standards Program.....	13

Four new ESTA standards available

Four ESTA standards have been approved and published since the last issue of Standards Watch was published. One is a new standard, one is a revision, and two are reaffirmations of existing standards. They are available for download at no cost to you from <http://tsp.esta.org/freestandards> or you may buy them for \$40 each from [ANSI](#) and [IHS](#). The recently published standards are:

ANSI E1.22 – 2022, Entertainment Technology - Fire Safety Curtain Systems, is a revision of ANSI E1.22, the standard for the design, materials, fabrication, installation, operation, testing, and maintenance of fire safety curtain systems used for proscenium opening protection in theatres.

ANSI E1.26 - 2006 (R2022), Entertainment Technology - Recommended Testing Methods and Values for Shock Absorption of Floors Used in Live Performance Venues, is a reaffirmation of the 2006 document. It describes a method for measuring the stiffness of a performance floor. It suggests, but does not mandate, some ranges that have been found to be acceptable—neither too stiff nor too springy and certainly not soft.

ANSI E1.36 - 2007 (R2022), Model Procedure for Permitting the Use of Tungsten-Halogen Incandescent Lamps and Stage and Studio Luminaires in Vendor Exhibit Booths in Convention and Trade Show Exhibition Halls, is a reaffirmation of the 2007 document offering a model set of procedures that can be used by convention center and trade show exhibition hall staff to mitigate the risks perceived to be associated with the use of tungsten-halogen lamps and stage and studio luminaires. This policy applies to all luminaires that use tungsten-halogen lamps and to all stage and studio luminaires being used by vendors to provide illumination or to create effects with light in exhibit booths at convention centers or trade shows.

ANSI E1.69 – 2022, Reporting the Dimming Performance of Entertainment Luminaires Using LED Sources, is a totally new standard. It describes a way of showing the end-user or equipment specifier the dimming performance of LED luminaires, when the luminaire output level is set by a control signal slowly varying from 100% to 50% and then from 50% to black-out.

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.

Call for interest in a weapons safety working group

A proposal has been received for ESTA's Technical Standards Program to develop a new American National Standard for "Weapons Safety in Entertainment Event Production." The Technical Standards Council is considering forming a new working group for the standard's creation. If you are interested in being part of this working group, please say so by writing to standards@esta.org. Please indicate if you would want to be a voting

member or an observer, and what your interest category would be. The interest categories are not set yet, but would certainly include performers, special experts in fight choreography and weapons safety; property (weapons) suppliers; special effects technicians, event designers or directors, insurance, and general interest.

The purpose of this project is to create a guidance document for the safe use of weapons or weapon-like properties (props) in entertainment event productions. It would cover prop weapons such as those that look like firearms (whether capable of firing cartridges or not), edged weapons (e.g., swords and knives), and projectiles (e.g. arrows and darts). The standard would only cover weapons and weapon-like props used on stages, in motion picture studios, or on motion picture locations in the production of a staged or filmed event. It would not cover weapons used by security forces or carried by audience members or staff for personal protection. It also would not cover weapons used in sporting events, such as bullseye pistol or fencing competitions. The primary goal is to eliminate injuries and deaths from weapons or weapon-like props used in entertainment productions, such as stagings of *Hamlet* or *Of Mice and Men*, or the filming of Westerns. Secondary goals would be to quickly narrow down what should have been done when people are injured, and avoid problems when politicians propose laws not founded on industry practice because “No one knows what they are doing!”

It is not terra incognita; there exists lots of guidance and regulations covering this topic. However, a lot comes from particular local government or union rules. It's easy for someone to dismiss, for example, Actors' Equity's advice for stage actors as irrelevant to motion picture work, although both Equity's *Safety Tips for Use of Firearms* (<http://estalink.us/ujq8j>) and *Safety Bulletin #1* for the motion picture industry (<http://estalink.us/frkfn>) say to treat all firearms as though they are loaded. There's tremendous commonality in the guidance, but nothing with the status of a national standard, which in being a standard says it's the consensus of the industry, and makes it a harder for someone to decide, “Oh, none of those IATSE/AMPTP/Equity/Canadian rules apply to our low-budget, independent production—so never mind.”

If you're interested, please write to standards@esta.org and tell us what expertise and material interest you might bring to the table.

Behind the Scenes seeks designers for 2022 Holiday Cards

Behind the Scenes holiday card sales help provide grants to entertainment technology professionals, or their immediate dependent family members, who are seriously ill or injured, and support the charity's Mental Health and Suicide Prevention Initiative. Each year designs have been created and donated to the charity by a range of designers from Tony Award winners to high school students. The design guidelines (btshelp.org/carddesign) are simple and you can view examples (btshelp.org/cardexamples).

If you are interested in designing a card, Behind the Scenes will need your commitment no later than May 15th and your artwork by June 15th. Please contact Lori Rubinstein at info@btshelp.org or 212-244-1421.

More information about Behind the Scenes is available at www.behindthescenescharity.org.

ESTA partners with Netflix to increase workforce diversity

In partnership with Netflix, the Entertainment Services and Technology Association has announced its Equitable Workplace Initiative (EWI) to create a career pipeline for individuals from historically underrepresented groups into the motion picture and television industry. The program aims to improve equity and diversity in the workforce, develop well-trained workers, and increase representation over time within rental company management.

EWI will provide grants to eligible members of the Production Equipment Rental Group (PERG) to cover costs for the first six months of employment for entry-level new hires. The published program launch schedule has eight grants being issued to participating PERG companies in September. Visit https://esta.org/perg_ewi to read more about the EWI program, the guidelines for rental companies, and an email address link where you can leave your details if you are interested in participating.

The Equitable Workplace Initiative is a part of Netflix's Fund for Creative Equity <<https://about.netflix.com/en/programs>>. It will be administered by ESTA with oversight by the PERG Council.

ANSI seeks comments on proposed ISO technical committee on smart distribution in logistics

The American National Standards Institute is seeking comments from ANSI constituents on a proposal for a new ISO technical committee on smart distribution in logistics. The feedback deadline is 3 June 2022. SAC, the ISO member from China, has submitted [a proposal](#) to ISO for a new ISO technical committee (TC) on smart distribution in logistics with the following scope statement:

“The scope of the proposed new technical committee is to standardize services, techniques application and management in the field of distribution in logistics, specifically including the process of distributing goods from manufacturer or distributor to regional hub, distribution center, and ultimately to businesses such as urban retailers, and to improve the quality, safety and efficiency of distribution operations, and to enhance the stability, flexibility and sustainability of distribution in logistics.”

The scope includes, but is not limited to:

- The development of general requirements, frameworks, metrics, guidance, performance indicators, and the evaluation for smart distribution in logistics, etc.
- The provision of service assurance for smart distribution in logistics (e.g. smart operation of distribution center, freight fleet management, education and training for operators, etc.)
- The operation, service, and synergy optimization of distribution in logistics (e.g. order processing, cargo consolidation, sorting, picking, storage, repackaging and protective handling, loading, unloading, capacity allocation, shipping, distribution, other customized services, etc.)

[Review the proposal](#) for additional information and submit comments to Steven Cornish, ANSI senior director of international policy and strategy, scornish@ansi.org, by close of business on 3 June 2022. Based on input received from U.S. stakeholders, a recommended ANSI position and any comments will be developed and presented at the ANSI ISO Committee for approval before ISO's voting deadline of 15 July 2022.

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 a TBT from the United States that may be of interest to *Standards Watch* readers. If you have a problem with a TBT, you can protest through your representative to the World Trade Organization.

United States of America Notification USA/1855

Date issued: 27 April 2022

Agency responsible: Environmental Protection Agency (EPA)

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Air emission sources

Title: Testing Provisions for Air Emission Sources; (23 pages in English)

Description of content: Proposed rule - This action proposes corrections and updates to regulations for source testing of emissions under various rules. This proposed rule includes corrections to inaccurate testing provisions, updates to outdated procedures, and approved alternative procedures that provide testers enhanced flexibility. The revisions will improve the quality of data but will not impose new substantive requirements on source owners or operators.

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

Relevant documents: 87 Federal Register (FR) 24488, 26 April 2022; Title 40 Code of Federal Regulations (CFR) Parts 51, 60, and 63: <https://www.govinfo.gov/content/pkg/FR-2022-04-26/pdf/2022-07891.pdf>

This proposed rule is identified by Docket Number EPA-HQ-OAR-2020-0556. The Docket Folder is available from Regulations.gov at <https://www.regulations.gov/docket/EPA-HQ-OAR-2020-0556/document> and provides access to primary documents as well as comments received. Documents are also accessible from Regulations.gov by searching the Docket Number. WTO Members and their stakeholders are asked to submit

comments to the USA TBT Enquiry Point by or before 4pm Eastern Time on 27 June 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 Docket on Regulations.gov if received within the comment period. Actions notified in G/TBT/N/USA/1432 and subsequent addenda on "Standards of Performance for New Residential Wood Heaters, New Residential Hydronic Heaters and Forced-Air Furnaces" may be relevant. Actions notified in G/TBT/N/USA/758 and subsequent addenda on "National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines" may be relevant. G/TBT/N/USA/1837, "National Emission Standards for Hazardous Air Pollutants: Coal-and Oil-Fired Electric Utility Steam Generating Units--Revocation of the 2020 Reconsideration, and Affirmation of the Appropriate and Necessary Supplemental Finding".

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 27 June 2022

Full text: <https://www.govinfo.gov/content/pkg/FR-2022-04-26/pdf/2022-07891.pdf>

Japan Notification JPN/737

Date issued: 29 April 2022

Agency responsible: Ministry of Internal Affairs and Communications

National inquiry point: Standards Information Service, International Trade Division, Economic Affairs Bureau, Ministry of Foreign Affairs (MOFA)

Products covered: 920MHz band Active Low Power Wireless system

Title: Partial Amendment of Regulations for Radio Equipment, etc.; (3 pages in English)

Description of content: Amendment to the regulations for the above system.

Objective and rationale: The Regulations for the Radio Act need to be amended to make wideband active low-power wireless system available.

Relevant documents: The basic law is the Radio Act (1950 Law No.131).

<https://www.japaneselawtranslation.go.jp/en/laws/view/3205>

The amendment will appear in "KAMPO" (Official Government Gazette) when adopted.

Proposed date of adoption: 1 July 2022

Proposed date of entry into force: 1 July 2022

Final date for comments: 28 June 2022

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/JPN/full_text/pdf/JPN737\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/JPN/full_text/pdf/JPN737(english).pdf)

Viet Nam Notification VNM/221

Date issued: 5 May 2022

Agency responsible: Ministry of Information and Communications, Department of Science & Technology (MIC)

National inquiry point: WTO TBT Enquiry Point Vietnam

Products covered: NB IoT User Equipment (HS code: 8517.12.00)

Title: Draft national technical regulation on NB IoT User Equipment; (38 pages in Vietnamese)

Description of content: The draft National technical regulation on NB IoT User Equipment is based on ETSI EN 301 908-1 V15.1.1 (2021-09) and ETSI EN 301 908-13 V13.2.1 (2022-02). The draft National technical regulation specifies requirements for radio access parts of NB IoT terminal equipment operating on all or one of the bands specified in Table 1 of the National technical regulation. This draft National technical regulation applies to Vietnamese and foreign organizations and individuals that manufacture and trade in equipment covered by this regulation in the territory of Vietnam.

Objective and rationale: Safety Requirements; Quality requirements

Relevant documents: The Law on quality of products and goods; The Law on standards and technical regulations; Circular No.30/2011/TT-BTTTT dated 31 October 2011 specifying mandatory certification and declaration of products and goods in information technology and communications sector; Circular No.15/2018/TT-BTTTT dated 15 November 2018 providing modifications and amendments for the Circular No.30/2011/TT-BTTTT; Circular No.11/2020/TT-BTTTT dated 14 May 2020 specifying the list of products and goods with unsafe capability under management responsibility of Ministry of Information and Communications; Circular No.01/2021/TT-BTTTT dated 14 May 2021 providing amendments for the Circular No.11/2020/TT-BTTTT dated 14 May, 2020.

Proposed date of adoption: 1 August 2022

Proposed date of entry into force: 1 July 2023

Final date for comments: 4 July 2022

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/VNM/full_text/pdf/VNM221\(vietnamese\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/VNM/full_text/pdf/VNM221(vietnamese).pdf)

Canada Notification CAN/671

Date issued: 9 May 2022

Agency responsible: Department of Innovation, Sciences and Economic Development

National inquiry point: Notification Authority and Enquiry Point Global Affairs Canada

Products covered: Radiocommunications

Title: • Consultation of RSS-248, Issue 2 (18 and 19 pages) • Consultation of DBS-06, Issue 1 (25 and 26 pages) • Consultation of CPC-4-1-01, Issue 2 (27 and 30 pages) All documents are available in English and French.

Description of content: Notice is hereby given by the Ministry of Innovation, Science and Economic Development Canada that the following consultations have been published:

- RSS-248, Issue 2, Radio Local Area Network (RLAN) Devices Operating in the 5925-7125 MHz Band, sets out the certification requirements for licence-exempt RLAN devices operating in the 5925-7125 MHz frequency band, also referred to as the 6 GHz band.
- DBS-06, Issue 1, Automated Frequency Coordination (AFC) System Specifications for the 6 GHz (5925-6875 MHz) Frequency Band, sets out the technical requirements for the designation of an Automated Frequency Coordination System Administrator (AFCSA) and for the operation of an AFC system capable of identifying available frequencies and associated maximum power levels for use by standard-power radio local area network (RLAN) devices operating in the 5925-6875 MHz frequency band.
- CPC-4-1-01, Issue 2, Application Procedures for Dynamic Spectrum Access System Administrators (DSASAs), outlines procedures to be followed by applicants who wish to be considered for designation by Innovation, Science and Economic Development Canada (ISED) to become white space database administrators (WSDBAs) or automated frequency coordination system administrators (AFCSAs), collectively referred to herein as dynamic spectrum access system administrators (DSASAs).

Objective and rationale: Consultation

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 15 July 2022

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN671\[1\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN671[1](english).pdf)

[https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN671\[1\]\(french\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN671[1](french).pdf)

[https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN671\[2\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN671[2](english).pdf)

[https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN671\[2\]\(french\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN671[2](french).pdf)

[https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN671\[3\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN671[3](english).pdf)

[https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN671\[3\]\(french\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN671[3](french).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 13 June 2022

BSR/CPA A208.1-202x, Particleboard (revision and redesignation of ANSI A208.1-2016)

The purpose of this standard is to establish a nationally recognized voluntary consensus standard for particleboard which can serve as a common basis for understanding among those manufacturing, specifying or using particleboard products.

Single copy price: Free!

Obtain from and send comments to gheroux@cpamail.org

BSR/IES RP-38-2017 (R202x), Recommended Practice: Lighting Performance for Small to Medium Sized Video Conferencing Rooms (reaffirmation of ANSI/IES RP-38-2017)

This lighting performance standard for small- to medium-sized video conference rooms defines lighting requirements for videoconferencing that will enhance the comfort of participants and the picture quality delivered. A single-axis room is defined as having one set of video displays and cameras oriented toward a group of 3 to 25

seating locations. Dual-axis and multi-axis rooms have two or more orientations beyond the primary seating area. These include distance education and training rooms that have separate cameras directed toward a presenter location, in addition to cameras directed toward the seating area.

Single copy price: \$25.00

Obtain from and send comments to pmcgillicuddy@ies.org

BSR/UL 9540-202x, Standard for Safety for Energy Storage Systems and Equipment (revision of ANSI/UL 9540-2020)

(1) Revisions to marking criteria and inclusion of AC and DC ESS concepts; (2) Residential use ESS - clarification and code alignment; (3) Explosion protection for electrochemical ESS; (4) Addressing noise levels of ESS; (5) Clarification of Impulse waveform in 29.2; (6) Updates to Informative Appendix E; (7) Additional criteria for thermal ESS; (8) Revisions to Appendix D to align with the new UL 1973, Alternative Approach for Evaluating Valve Regulated or Vented Lead Acid or Nickel Cadmium Batteries Annex; (9) Revisions to replace UL 508C with UL 61800-5-1; (10) Revisions to replace UL 60950-1 with UL 62368-1; (11) Addition of UL 1778 / CSA C22.2 No. 107.3 to the list of power conversion/battery charger standards referenced in 24.1.1; (12) Clarification of material and enclosure tests for smaller ESS; (13) Use of representative subassemblies for testing; (14) Addition of references to component standards; (15) Revisions for flywheel ESS throughout the Standard; (16) External warning communication system criteria; (17) Revisions to address hazardous fluids and liquid coolant system hazards; (18) Miscellaneous corrections; (19) New Appendix G for Direct Injection Clean Agent Cooling Systems; (20) Revisions for remote software updates.

Single copy price: Free

Access and offer comments at <https://csds.ul.com/Home/ProposalsDefault.aspx>

Due 20 June 2022

BSR/ASTM E84-202x, Test Method for Surface Burning Characteristics of Building Materials (revision of ANSI/ASTM E84-2021)

<https://www.astm.org/ansi-review>

Single copy price: Free

Order from and send comments to Laura Klineburger, accreditation@astm.org

BSR/ASTM E119-202x, Test Methods for Fire Tests of Building Construction and Materials (revision of ANSI/ASTM E119-2020)

<https://www.astm.org/ansi-review>

Single copy price: Free

Order from and send comments to Laura Klineburger, accreditation@astm.org

BSR/CTA 2088.1-202x, Baseline Cybersecurity for Small Unmanned Aerial Systems (new standard)

This standard will build upon the baseline cybersecurity requirements in CTA 2088 to address the cybersecurity requirements and recommendations relevant to the unique capabilities, uses, and applications of small UAS.

Single copy price: Free

Order from standards@cta.tech

Send comments to CAkers@cta.tech

BSR/UL 2388-2017 (R202x), Standard for Safety for Flexible Lighting Products (May 6, 2022) (reaffirmation of ANSI/UL 2388-2017)

This proposal covers: (1) Reaffirmation and continuance of the second edition of the Standard for Safety for Flexible Lighting Products, UL 2388, as an American National Standard.

Single copy price: Free

Access and offer comments at <https://csds.ul.com/Home/ProposalsDefault.aspx>

Due 28 June 2022

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.

Single copy price: \$250.00

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

Send comments to 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.

Single copy price: \$200.00

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

Send comments to 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, greyscale or color 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.

Single copy price: \$149.00

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

Send comments to 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.

Single copy price: \$73.00

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

Send comments to comments@standards.incits.org

CSA public review announcements

The CSA Group has announced draft documents for public review that might be of interest to Standards Watch readers. To participate in CSA public reviews, please visit: <http://publicreview.csa.ca/>.

Due 13 June 2022

ASC/CSA B652 Accessible Private Homes (new standard)

This standard specifies technical requirements and provides recommendations on how to make private homes accessible or provide accessible housing options that can be safely used and lived in by persons with a wide variety of abilities or disabilities. This standard can be used in the design and construction of new homes, or in alterations to existing housing, as it pertains to accessibility. The requirements in this standard are suitable for detached houses, semi-detached houses, houses with a secondary suite, duplexes, triplexes, townhouses, row

houses and boarding houses, and apartments or condominiums. This requirements apply to the design, construction and alteration of built environment leading up to, into, and throughout accessible dwellings units.

Due 17 June 2022

C22.2 NO. 182.6/UL1686/NMX-J-864-ANCE, Standard for Pin and Sleeve Configuration (new standard)

These configurations cover attachment plugs, receptacles, and cord connectors, for use in accordance with the National Electrical Code (NEC), ANSI/NFPA 70 and the Canadian Electrical Code (CE Code), CSA C22.1. These configurations do not cover devices rated at more than 800 A or for more than 600 V.

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/IEEE 3001.9-202x, Recommended Practice for the Design of Power Systems Supplying Lighting Systems in Commercial and Industrial Facilities (new standard)

This recommended practice covers the design of power systems supplying lighting loads of industrial and commercial facilities. Common power system considerations specifically related to lighting loads are covered including voltage drop, transients, flicker, and circuiting recommendations for various applications. General fundamental concepts of lighting design including common light sources, control methods, and application techniques are discussed. Industry-recognized lighting design organizations and applicable lighting codes are discussed and identified as further resources for the lighting designer.

Contact Lisa Weisser, l.weisser@ieee.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 ASC C2 NESC-2022, National Electrical Safety Code (NESC) (revision and redesignation of ANSI ASC C2 NESC -2017), 25 April 2022

ANSI E1.22-2022, Entertainment Technology - Fire Safety Curtain Systems (revision of ANSI E1.22-2016), 25 April 2022

ANSI E1.36-2007 (R2022), Model Procedure for Permitting the Use of Tungsten-Halogen Incandescent Lamps and Stage and Studio Luminaires in Vendor Exhibit Booths in Convention and Trade Show Exhibition Halls (reaffirmation of ANSI E1.36-2007 (R2012)), 2 May 2022

ANSI/ESTA E1.69-2022, Reporting the Dimming Performance of Entertainment Luminaires Using LED Sources (new standard), 25 April 2022

ANSI/UL 2344-2012 (R2022), Standard for Material Lifts (reaffirmation of ANSI/UL 2344-2012 (R2017)), 19 April 2022

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 23009-1, Information technology – Dynamic adaptive streaming over HTTP (DASH) - Part 1: Media presentation description and segment formats; 0000/00/00 [no date]; \$230.00

ISO/IEC/IEEE FDIS 42010, Software, systems and enterprise -Architecture description; 2020/10/17 [sic]; \$134.00

ISO/IEC DIS 4396-7, Telecommunications and information exchange between systems - Future network recursive internetwork architecture - Part 7: Flow allocator protocol; 2021/05/13 [sic]; \$62.00

ISO/IEC DIS 4396-9, Telecommunications and information exchange between systems - Future network recursive internetwork architecture - Part 9: Error and flow control protocol; 2021/05/13 [sic]; \$112.00

ISO/FDIS 29481-3, Building information models – Information delivery manual - Part 3: Data schema and code; 2021/07/02 [sic]; \$98.00

ISO/IEC DIS 23090-2, Information technology – Coded representation of immersive media - Part 2: Omnidirectional media format; 2022/02/20 [sic]; \$245.00

ISO/IEC DIS 19566-8, Information technologies - JPEG systems -Part 8: JPEG Snack; 2022/02/21 [sic]; \$112.00

ISO/DIS 22523, External limb prostheses and external orthoses -Requirements and test methods; 2022/02/24 [sic]; \$134.00

ISO/DIS 31101, Robotics - Application services provided by service robots - Safety management systems requirements; 2022/02/25 [sic]; \$119.00

ISO/DIS 22393, Security and resilience - Community resilience -Guidelines for planning recovery and renewal; 2022/03/03 [sic]; \$107.00

23/1001(F)/FDIS, IEC 63044-5-1/AMD1 ED1: Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-1: EMC requirements, conditions and test set-up; 2022/05/20

23/1002(F)/FDIS, IEC 63044-5-2/AMD1 ED1: Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light-industrial environments; 2022/05/20

23/1003(F)/FDIS, IEC 63044-5-3/AMD1 ED1: Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-3: EMC requirements for HBES/BACS used in industrial environments; 2022/05/20

34D/1658(F)/FDIS, IEC 62722-1 ED2: Luminaire performance -Part 1: General requirements; 2022/05/20

65C/1168/FDIS, IEC 61139-2 ED1: Industrial networks - Singledrop digital communication interface - Part 2: Functional safety extensions; 2022/06/03

120/274/CD, IEC 62933-5-3 ED1: Electrical energy storage (EES) systems Part 5-3: Safety requirements for electrochemical based EES systems considering initially non-anticipated modifications - partial replacement, changing application, relocation and loading reused battery; 2022/06/24

56/1955/CD, IEC 62508 ED2: Guidance on human aspects of dependability; 2022/06/24

ISO/DIS 20043-2, Measurement of radioactivity in the environment - Guidelines for effective dose assessment using environmental monitoring data - Part 2: Nuclear emergency exposure situation; 2022/07/04; \$102.00

ISO/DIS 8124-10, Safety of toys - Part 10: Experimental sets for chemistry and related activities; 2022/07/16; \$88.00

44/950/CD, IEC TS 61496-5 ED1: Safety of machinery - Electrosensitive protective equipment - Part 5: Particular requirements for radar-based protective Devices; 2022/07/22

88/884/CD, IEC TS 61400-31 ED1: Wind energy generation systems - Part 31: Siting Risk Assessment; 2022/07/22

JTC1-SC41/285/NP, PNW JTC1-SC41-285 ED1: Internet of Things (IoT) - Autonomous IoT object identification in connected home -Requirements and framework; 2022/07/22

JTC1-SC41/286/NP, PNW JTC1-SC41-286 ED1: Internet of Things (IoT) - Addressing interoperability between IPv6-based network and UWASN; 2022/07/22

SyCAAL/264/CD, IEC 63310 ED1: Functional performance criteria for robots used in AAL connected home environment; 2022/07/22

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](#).

IEC 60810 Ed. 5.2 b:2022, Lamps, light sources and LED packages for road vehicles - Performance requirements, \$696.00

IEC 60810 Amd.2 Ed. 5.0 b:2022, Amendment 2 - Lamps, light sources and LED packages for road vehicles – Performance requirements, \$25.00 [Get the standard; get the amendment!]

IEC 62623 Ed. 2.0 b:2022, Desktop and notebook computers -Measurement of energy consumption, \$310.00

IEC 63370 Ed. 1.0 b:2022, Lithium-ion batteries and charging systems - Safety, \$259.00

ISO/TS 14812:2022, Intelligent transport systems – Vocabulary, \$48.00

ESTA Standards Watch

is distributed as a benefit to ESTA members and as a communication medium for participants in ESTA's Technical Standards Program. Original material is copyright ESTA.

Editors:

Karl G. Ruling, Senior Technical Standards Manager
ESTA, Technical Standards Program
PO Box 23200
Brooklyn, NY 11202-3200 USA
karl.ruling@esta.org
1 212 244 1505 ext. 703

Richard Nix, Asst. Technical Standards Manager
ESTA, Technical Standards Program
PO Box 23200
Brooklyn, NY 11202-3200 USA
richard.nix@esta.org
1 212 244 1505 ext. 649

If you would like to receive an email notice each time a new edition of *Standards Watch* is published, send a request to standards@esta.org.

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

TSP meeting schedule

The meeting schedule webpage is <https://www.esta.org/ESTA/meetings.php>. Attendance for the next set of meetings will be in-person at the Wyndham Anaheim and world-wide via WebEx. Visit <https://www.esta.org/ESTA/meetings.php> for a link to reserve a hotel room or to buy a Behind the Scenes Happy Hour ticket.

Control Protocols Working Group	09:00 – 13:00 PDT	Friday 3 June 2022
Electrical Power Working Group	14:00 – 17:00 PDT	Wednesday 1 June 2022
Event Safety Working Group	14:00 – 18:00 PDT	Saturday 4 June 2022
Floors Working Group	09:00 – 13:00 PDT	Saturday 4 June 2022
Fog & Smoke Working Group	09:00 – 13:00 PDT	Thursday 2 June 2022
Followspot Positions Working Group	19:00 – 23:00 PDT	Wednesday 1 June 2022
Photometrics Working Group	15:00 – 18:00 PDT	Friday 3 June 2022
Rigging Working Group	19:00 – 23:00 PDT	Friday 3 June 2022
Stage Machinery Working Group	14:00 – 18:00 PDT	Thursday 2 June 2022
Technical Standards Council	09:00 – 13:00 PDT	Sunday 5 June 2022

The following set of meetings are scheduled to be September 15 through 18 at the Marriott Westlake in Westlake, Texas. Visit <https://www.esta.org/ESTA/meetings.php> for details.

We'll have a Plugfest in September, too! Find out more at <http://tsp.esta.org/tsp/news/plugfest.html>.

Investors in Innovation, supporters of ESTA's Technical Standards Program

This lists the donors who have made contributions in the last 12 months.

VISIONARY LEADERS (\$50,000 & up)

ETC

PLASA

VISIONARY (\$10,000 & up; >100 employees/members)

Cisco

Disney Parks Live Entertainment

Columbus McKinnon Entertainment Technology

VISIONARY (\$5,000 & up; 20–100 employees/members)

Altman Lighting, Inc.

Theatre Projects

McLaren Engineering Group

Theatre Safety Programs

Rose Brand

TMB

Stage Rigging

VISIONARY (\$500 & up; <20 employees/members)

About the Stage

Link

B-Hive Industries, Inc.

John T. McGraw

Scott Blair

Mike Garl Consulting

Boston Illumination Group

Mike Wood Consulting

Candela Controls, Inc.

Lizz Pitsley

Clark Reder Engineering

Reed Rigging

Tracey Cosgrove & Mark McKinney

Reliable Design Services

Doug Fleenor Design

Alan Rowe

Down Stage Right Industries Ltd.

Sapsis Rigging Inc.

EGI Event Production Services

SBS Lighting

Entertainment Project Services

Steve A. Walker Associates

Neil Huff

Dana Taylor

Interactive Technologies

Steve Terry

Jules Lauve

Vertigo

Brian Lawlor

WNP Services

Michael Lay

INVESTOR (\$3,000–\$9,999; >100 employees/members)

Actors' Equity Association

Lex

Golden Sea Professional Lighting Provider

NAMM

IATSE Local 728

Texas Scenic Company

IATSE Local 891

INVESTOR (\$1,500–\$4,999; 20–100 employees/members)

American Society of Theatre Consultants

InterAmerica Stage, Inc.

Area Four Industries

Lycian Stage Lighting

BMI Supply

Niscon Inc.

City Theatrical Inc.

Tomcat Staging, Lighting and Support Systems

H&H Specialties, Inc.

INVESTOR (\$200–\$499; <20 employees/members)

Baxter Controls, Inc.

Jessica Sanders

ChamSix

Sehr Gute GmbH

Concept Smoke Systems Ltd.

David Thomas

Ian Foulds

Tracy Underhill

Liberal Logic, Inc.

Ralph Weber

Luminator Technology Group

SUPPORTER (\$50 - \$2,999; >100 employees/members)

Harlequin Floors

SUPPORTER (\$50 - \$1,499; 20–100 employees/members)

H&H Specialties Inc.

High Output

InCord

iWeiss

Oasis Stage Werks

Stagemaker

Syracuse Scenery and Stage Lighting Co., Inc.

Vincent Lighting Systems

Wuhan Zhongtian Jiaye Mechanical & Electrical Eng.
Co.

SUPPORTER (\$50 - \$199; <20 employees/members)

Chip Scott Lighting Design

Beverly and Tom Inglesby

Bill McCord

Motion FX

Sigma Net

Extraordinary legacy gift: Ken Vannice

You can make a donation by visiting https://tsp.esta.org/tsp/inv_in_innovation/sponsor.html.
Become an *Investor in Innovation!*