



# Technical Standards Program

## ESTA Standards Watch

Late March 2023

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### A quartet of ESTA standards in public review

Four ESTA standards—three new and one reaffirmation—are available for public review and comment on the ESTA website at <http://estalink.us/pr>. The downloads are free. Comments on three are due before 4 April 2023, the other before 25 April.

**BSR E1.14, Entertainment Technology - Recommendations for Inclusions in Fog Equipment Manuals**, is a project to reaffirm the existing standard. The standard applies to the instruction manuals for fog-making equipment manufactured for use in the entertainment industry. The standard was written to address concerns from ESTA dealers who were selling equipment with manuals that essentially said, “Fill with fluid. Plug in. Wait for light to go out. Make fog!” That’s seriously deficient. Fog users must have some general knowledge of the technology, have a clear understanding of how to operate the fog system, and be aware of the potential hazards related to the use of fog and fog systems. This standard establishes guidelines for manufacturers to provide the user with the necessary information for the safe and responsible use of fog equipment. This public review is to identify errors or serious omissions. Comments are due no later than 3 April. April 4 will be a day too late!

**BSR E1.72, Powered Floor Machinery**, establishes requirements for the design, manufacture, installation, inspection, operation, and maintenance of powered Stage Floor Machinery for performance, presentation, and theatrical production. It covers the machinery, mechanisms, machine safety devices, and control interface requirements for equipment and systems, installed permanently or temporarily. A non-exhaustive list of examples would include wagons, turntables, treadmills, slip stages, and trap covers. This draft reflects changes made as a result of the first public review comments. Comments also are due no later than 3 April.

The next two draft standards in public review are projects in the Event Safety Working Group, a working group formed in partnership with the Event Safety Alliance to update chapters from the *Event Safety Guide* and turn them into American National Standards. As American National Standards, it will be harder for people in charge of event management to ignore their good advice with the defense “Who knew?” when things go wrong.

**BSR ES1.17, Electrical Safety & Lighting**, applies to the application, assessment, and documentation of safe electrical working practices during the installation, event performance, and dismantling of event electrical systems and equipment. This includes the identification and assessment of specific event electrical hazards and the potential impacts of unsafe electrical working practices. Comments also are due no later than 3 April.

**BSR ES1.2, Event Safety - Planning, Management, and Major Incident**, describes a process for event organizers and supporting staff to create and implement event-related plans for health and safety management. This process includes a framework, guidelines, and recommended practices that can be used to reduce risk as much as reasonably practical and to respond appropriately when an incident occurs. Comments are due no later than 24 April 2023. The 25th is too late. Plan ahead to comment on planning!

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### Three ESTA standards approved

Three ESTA standards have been approved by ANSI's Board of Standards Review this month. Two are reaffirmations, but one is a revision. They are available for free download on ESTA'S TSP website at [tsp.esta.org/freestandards](http://tsp.esta.org/freestandards). They also may be purchased for \$40 each from [ANSI](http://ANSI) and [IHS](http://IHS).

**ANSI E1.9 - 2007 (R2023), Reporting Photometric Performance Data for Luminaires Used in Entertainment**, defines the minimum photometric data to be presented on documents purporting to accurately describe the photometric performance of stage and studio luminaires used in the live entertainment and performance industries. The R2023 edition is a reaffirmation of the 2007 edition.

**ANSI E1.25 - 2012 (R2023), Recommended Basic Conditions for Measuring the Photometric Output of Stage and Studio Luminaires by Measuring Illumination Levels Produced on a Planar Surface**, describes the basic conditions for measuring the photometric output of a stage or studio luminaire by testing methods that measure the illumination levels produced by the luminaire on a planar surface. (Shining the light at a wall.) These testing methods include, but are not limited to, measurements taken by digital cameras or hand-held meters. This standard is not intended to give guidance on testing conditions for testing methods that use goniophotometers. The R2023 edition is a reaffirmation of the 2012 edition.

**ANSI E1.41 – 2023, Recommendations for Measuring and Reporting Photometric Performance Data for Entertainment Luminaires Utilizing Solid State Light Sources**, offers recommendations for measuring and reporting the output of LED luminaires used in the live entertainment industry . This industry needs unusually precise color and color rendering characterization, which this document provides. This is a REVISION of the standard.

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### What is an American National Standard anyway?

Registration is now open for a free webinar, “What is an American National Standard (ANS) anyway?” This is a webinar for the general public that provides basic information about the ANS process, guidance on how to identify an ANS and how to connect with ANSI-accredited Standards Developers. The session should run 60 to 90 minutes.

- Date and time: Wednesday, 29 March 2023, 2:00 PM EDT (UTC-04:00)
  - Registration link: <https://goansi.webex.com/weblink/register/rda99bae61311c9d7800fe410dadfc241>
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## Facebook and the Bardo

ANSI is encouraging its stakeholders to submit feedback on a proposal for a new ISO standard and project committee focused on digital legacies. Please submit comments to Steven Cornish, ANSI senior director of international policy and strategy, at [scornish@ansi.org](mailto:scornish@ansi.org) by the close of business on 29 March 2023. The proposal is available at <http://estalink.us/jewz1>.

Digital technologies, including social media sites, cloud-based accounts, personal blogs and websites, email and messaging services, music, online photo albums, and more, record and archive most people's lives, but the death of a person who owns digital accounts and products raises questions about their digital legacy and how it should be managed. According to the proposal scope statement, provided by Standards Australia, the standard will provide guidance on how to manage a person's digital accounts and assets after their death and provide clarity about consumers' rights in relation to their digital media.

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## Virtual training for mental health first aid and bystander intervention

Dates for virtual mental health first aid training are now posted through May 2023 at [btshelp.org/mhfa](http://btshelp.org/mhfa). The course is delivered in two parts. The first is a two-hour self-paced online course that must be completed prior to a six hour virtual live instructor led session. The registration fee is \$125. Training for Canadians is available through the AFC at <https://afchelps.ca/mhfa>.

A bystander intervention in the entertainment workplace free webinar is scheduled for April 30th with another schedule for July 17th. Advance registration is required in order to receive the Zoom login. Please visit [btshelp.org/bystander](http://btshelp.org/bystander) to select a registration link for the date of your choice. The webinar teaches methods to safely intervene if you see a co-worker being bullied or intimidated. In 90 minutes you will be taught five easily accessible tools, illustrated by relevant scenarios, for use in any workplace to safely intervene without the worry of retaliation.

Visit the Behind the Scenes website at [btshelp.org/mentalhealth](http://btshelp.org/mentalhealth) to see all the available tools and resources in our Mental Health and Suicide Prevention Initiative.

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## Revised ICC code development schedule published

The International Codes (I-Codes), developed by the International Code Council, are a family of 15 coordinated, modern building safety codes used throughout the world that protect against disasters like fires, weather-related events and structural collapse. The code change development process was recently revised to foster a more in-depth vetting of code change proposals. The changes will take effect in 2024-2026 for the development of the 2027 I-Codes and will move the development process to an integrated and continuous three-year cycle.

The 2024/2025/2026 Code Council code development schedule is [now available](#). Year one will include two Committee Action Hearings for Group A Codes; year two will include two Committee Action Hearings for Group B Codes; and year three will be the joint Public Comment Hearings and Online Governmental Consensus Vote for both Group A and B Codes.

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## WTO Technical Barrier to Trade notifications

The World Trade Organization has announced Technical Barrier to Trade filings 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/691 Rev.1

**Notification date:** 16 March 2023

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**Agency responsible:** Office of Energy Efficiency and Renewable Energy, Department of Energy

**National inquiry point:** USA WTO TBT Enquiry Point, [usatbtep@nist.gov](mailto:usatbtep@nist.gov)

**Products covered:** Battery chargers; Domestic safety; Miscellaneous domestic and commercial equipment

**Title:** Energy Conservation Program: Energy Conservation Standards for Battery Chargers (57 pages in English)

**Description of content:** Notice of proposed rule-making; announcement of public meeting on 27 April 2023 - The [Energy Policy and Conservation Act, as amended](#) ("EPCA"), prescribes energy conservation standards for various consumer products and certain commercial and industrial equipment, including [battery chargers](#). EPCA also requires the U.S. Department of Energy ("DOE" or "Department") to periodically determine whether more-stringent, standards would be technologically feasible and economically justified, and would result in significant energy savings. In this notice of proposed rule-making ("NOPR"), DOE proposes amended energy conservation standards for battery chargers, and announces a public meeting to receive comment on these proposed standards and associated analyses and results.

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

**Relevant documents:** 88 Federal Register (FR) 16112, 15 March 2023; Title 10 Code of Federal Regulations (CFR) Part 430: <https://www.govinfo.gov/content/pkg/FR-2023-03-15/pdf/2023-04765.pdf>

DOE will hold a public meeting via webinar on Thursday, 27 April 2023, from [1:00 p.m. to 4:00 p.m. Eastern Time](#) See section VII, "Public Participation," for webinar registration information, participant instructions, and information about the capabilities available to webinar participants.

This notice of proposed rule-making; announcement of public meeting is identified by Docket Number EERE-2020-BT-STD-0013. The Docket Folder is available at <https://www.regulations.gov/docket/EERE-2020-BT-STD-0013/document> and provides access to primary and supporting documents as well as comments received. Documents are also accessible from [Regulations.gov](https://www.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 15 May 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](https://www.regulations.gov) if received within the comment period.

Previous actions notified under the symbol [G/TBT/N/USA/691](#) are identified by Docket Numbers [EERE-2008-BT-STD-0005](#) and [EERE-2020-BT-STD-0006](#).

**Proposed date of adoption:** To be determined

**Proposed date of entry into force:** To be determined

**Final date for comments:** 15 May 2023

**Full text** (in addition to the texts cited above):

[https://members.wto.org/crattachments/2023/TBT/USA/23\\_2071\\_00\\_e.pdf](https://members.wto.org/crattachments/2023/TBT/USA/23_2071_00_e.pdf)

#### United Kingdom Notification GBR/56

**Notification date:** 16 March 2023

**Agency responsible:** Department for Environment, Food and Rural Affairs (Defra)

**National inquiry point:** UK TBT Enquiry Point, [TBTEnquiriesUK@trade.gov.uk](mailto:TBTEnquiriesUK@trade.gov.uk)

**Products covered:** Electronic components in general

**Title:** [The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment \(Amendment\) Regulations 2023](#); (5 pages in English)

**Description of content:** These measures will amend the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 ("the RoHS Regulations") as they apply in England and Wales, and Scotland. [Note that Northern Ireland is omitted.]

Regulation 2 will revoke exemptions in the RoHS Regulations, which relate to mercury in different types of lighting. Column 5 of Table 1 of Schedule A2 of the RoHS Regulations for entries 1 – 9.4 states the categories of electrical and electronic equipment to which these exemptions will apply.

For the exemptions in entries 1-9.4 in Table 1 in Schedule A2 of the RoHS Regulations that are to be revoked there are reliable mercury-free alternatives available for use in equipment and the substitution is scientifically and technically practicable. These exemptions will be revoked on the 1st February 2024.

For transparency purposes, it is of note that these amendments also renew the exemptions where there are no scientifically or technically practicable or reliable substitutes to mercury that would enable the relevant equipment to work properly. Entries 1-9.4 of Table 1 in Schedule A2 of the RoHS Regulations detail those exemptions that are to be renewed.

**Objective and rationale:** Adaptation of existing legislation to scientific and technical progress, granting manufacturers adequate transition time for compliance; Protection of human health or safety; Protection of the environment.

**Relevant documents:** The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (The RoHS Regulations)

<https://www.legislation.gov.uk/ukxi/2012/3032/made>

[Restriction of hazardous substances \(RoHS\): determinations on exemption applications](https://www.gov.uk/government/news/restriction-of-hazardous-substances-rohs-determinations-on-exemption-applications) - GOV.UK ([www.gov.uk](http://www.gov.uk))

**Proposed date of adoption:** June 2023

**Proposed date of entry into force:** The notified revocations will come into effect from the 1st February 2024. All exemption expiry dates are individually listed in Column 6 of Table 1 in Schedule A2 of the draft statutory instrument.

**Final date for comments:** 60 days from 16 March 2023 notification.

## Japan Notification JPN/766

**Notification date:** 16 March 2023

**Agency responsible:** Ministry of Health, Labour and Welfare

**National inquiry point:** Japan Enquiry Point, International Trade Division, Economic Affairs Bureau, [enquiry@mofa.go.jp](mailto:enquiry@mofa.go.jp)

**Products covered:** Substances listed in Appendix 1 and 2, and preparations containing them. (Check it out! The list includes common materials, such as sulfur, and glycols used in some fog fluids.)

**Title:** Amendment to the Enforcement Order of Industrial Safety and Health Act and related ordinances about the substances subject to labelling and notice (1 page in English, 15 pages in English, and 17 pages in English).

**Description of content:** The Enforcement Order of Industrial Safety and Health Act and related ordinances are to be partially amended to place obligations on the business operators relating to the substances subject to labelling and notice.

**Objective and rationale:** In order to prevent health impairment of workers due to harmful chemical substances.

**Relevant documents:** The Industrial Safety and Health Act. These amendments are to be published in "KAMPO" (Official Government Gazette) when adopted.

**Proposed date of adoption:** June 2023 (subject to change)

**Proposed date of entry into force:** April 2025 and April 2026 (subject to change)

**Final date for comments:** 60 days from 16 March 2023 notification

**Full text:** [https://members.wto.org/crnattachments/2023/TBT/JPN/23\\_1962\\_00\\_e.pdf](https://members.wto.org/crnattachments/2023/TBT/JPN/23_1962_00_e.pdf)

[https://members.wto.org/crnattachments/2023/TBT/JPN/23\\_1962\\_01\\_e.pdf](https://members.wto.org/crnattachments/2023/TBT/JPN/23_1962_01_e.pdf)

[https://members.wto.org/crnattachments/2023/TBT/JPN/23\\_1962\\_02\\_e.pdf](https://members.wto.org/crnattachments/2023/TBT/JPN/23_1962_02_e.pdf)

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## 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](mailto:psa@ansi.org).

### Due 24 April 2023

#### **ANSI/ASA S12.58-2012 (R2019), Sound Power Level Determination for Sources Using a Single-Source Position** (*withdrawal* of ANSI ASA S12.58-2012 (R2019))

This standard describes a method for the determination of sound power levels of noise sources that emit broadband sound and/or discrete frequency sounds/tones using reverberation rooms. The standard applies when it is either undesirable or unfeasible to move the source to decrease the uncertainty of the measurement. The method described requires reverberation room pre-qualification through test and requires the use of the comparison method to determine sound power levels. This standard specifies the physical environment, procedures, and equipment used to qualify the reverberation room by test. Pre-qualifying the room ensures adequate modal density for the use of one source location to obtain acceptable accuracy and repeatability of results. The reference sound source (RSS) used for the comparison method relies on AHRI Standard 250 to accurately describe the requirements for and characterize sound power of the RSS at all frequencies of interest.



Single copy price: \$121.00

Obtain an electronic copy from and send comments to [standards@acousticalsociety.org](mailto:standards@acousticalsociety.org)

**BSR/ASHRAE/IES Addendum b to BSR/ASHRAE/IES Standard 90.1-202x, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)

This addendum clarifies lighting terminology which previously led to confusion over the difference between lighting power allowance (LPA) and lighting power density (LPD). It also provides explicit instructions for using the LPD to determine the lighting allowance for a particular area. Finally, this addendum rearranges some of the existing lighting requirements in an effort to achieve greater clarity around Section 9 compliance.

Single copy price: \$35.00

Obtain an electronic copy from [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

Send comments to <https://www.ashrae.org/technical-resources/standardsandguidelines/public-review-drafts>

**BSR/CSA C22.2 No. 340-202x, Battery Management Systems** (new standard)

This standard applies to battery management systems (BMSs) that are composed of hardware and software that monitor, control, optimize, and regulate electrical and thermal parameters such that the battery pack safely operates under specific conditions. A BMS may be equipped with other functionalities including taking actions to avoid hazardous consequences, battery power isolation, and external communication capabilities. The standard also applies to BMSs used with batteries that are installed in accordance with CSA C22.1, Canadian Electrical Code, Part I, in Canada or NFPA 70 in the U.S. in stationary applications (e.g., energy storage systems, uninterruptible power systems, auxiliary power systems) and in power mobility applications (e.g., electric vehicles, light electric rail). This standard does not apply to BMSs used with batteries in portable applications for which the end product standards contain requirements for BMSs, such as appliances, machinery, power tools, and consumer electronics.

Single copy price: \$500.00

Obtain an electronic copy from and send comments to [ansi.contact@csagroup.org](mailto:ansi.contact@csagroup.org)

**BSR C18.4M-202x, Standard for Portable Cells and Batteries - Environmental** (revision of ANSI C18.4M-2017)

This standard applies to all chemistries of portable primary cells and batteries standardized in the ANSI C18 series.

Single copy price: \$130.00

Obtain an electronic copy from [communication@nema.org](mailto:communication@nema.org)

Send comments to Khaled Masri <[Khaled.Masri@nema.org](mailto:Khaled.Masri@nema.org)>

**Due 1 May 2023**

**BSR/CTA 2088.2-202x, Baseline Cybersecurity for Private Consumer Robotics** (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 Private Consumer Robotics.

Single copy price: Free

Obtain an electronic copy from [standards@cta.tech](mailto:standards@cta.tech)

Send comments to Catrina Akers <[cakers@cta.tech](mailto:cakers@cta.tech)>

**BSR/NECA 91-202x, Recommended Practice for Maintaining Electrical Equipment** (new standard)

This recommended practice describes general maintenance procedures for operating, servicing, inspecting, testing, maintaining, calibrating, repairing, and reconditioning building electrical systems, equipment, and components. This recommended practice includes industry-accepted practices and is intended to be used in conjunction with equipment-specific manufacturer instructions.

Single copy price: \$30.00 (member); \$59.00 (non-member)

Obtain an electronic copy from and send comments to [NEIS@NECAnet.org](mailto:NEIS@NECAnet.org)

**BSR/TIA 1005-B-202x, Telecommunication Infrastructure Standard for Industrial Premises** (revision and redesignation of ANSI/TIA 1005-A-2012)

This Standard specifies telecommunications cabling to support industrial premises applications (e.g., voice, data, text, video, industrial and building controls, security, fire alarm, imaging) while allowing for exposure to the wide

range of environmental conditions expected in industrial premises (e.g., temperature, humidity, electrical noise, shock, vibration, corrosive gases, dust, liquids). Need to update the standard for the following items: 1) Include Addendum 1 of ANSI/TIA-1005-A 2) Update standard with new requirements for 1G for E2 and E3 environments  
Single copy price: \$61.00

Obtain an electronic copy from and send comments to Teesha Jenkins <[standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)>

**Due 9 May 2023**

**INCITS/ISO/IEC 15408-2:2022 [202x], Information security, cybersecurity and privacy protection – Evaluation criteria for IT security - Part 2: Security functional components** (identical national adoption of ISO/IEC 15408 -2:2022 and revision of INCITS/ISO/IEC 15408-2:2008 [R2018])

Defines the required structure and content of security functional components for the purpose of security evaluation. It includes a catalogue of functional components that meets the common security functionality requirements of many IT products.

Single copy price: \$250.00

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

Send comments to Barbara Bennett <[comments@standards.incits.org](mailto:comments@standards.incits.org)>

**INCITS/ISO/IEC 15408-3:2022 [202x], Information security, cybersecurity and privacy protection – Evaluation criteria for IT security - Part 3: Security assurance components** (identical national adoption of ISO/IEC 15408

-3:2022 and revision of INCITS/ISO/IEC 15408-3:2008 [R2018])

Defines the assurance requirements of the ISO/IEC 15408 series. It includes the individual assurance components from which the evaluation assurance levels and other packages contained in ISO/IEC 15408-5 are composed, and the criteria for evaluation of Protection Profiles, PP-Configurations, PP-Modules, and Security Targets.

Single copy price: \$250.00

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

Send comments to Barbara Bennett <[comments@standards.incits.org](mailto:comments@standards.incits.org)>

**INCITS/ISO/IEC 15444-2:2021 [202x], Information technology - JPEG 2000 image coding system - Part 2: Extensions** (identical national adoption of ISO/IEC 15444-2:2021 and revision of INCITS/ISO/IEC 15444-2:2021 [202x])

Defines a set of lossless (bit-preserving) and lossy compression methods for coding continuous-tone, bi-level, grey-scale, colour digital still images, or multi-component images.

Single copy price: \$250.00

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

Send comments to Barbara Bennett <[comments@standards.incits.org](mailto:comments@standards.incits.org)>

**INCITS/ISO/IEC 10646:2020 [202x], Information technology - Universal coded character set (UCS)** (identical national adoption of ISO/IEC 10646:2020 and revision of INCITS/ISO/IEC 10646:2017 [2018])

Specifies the architecture of the UCS; defines terms used for the UCS; describes the general structure of the UCS codespace; specifies the assigned planes of the UCS: the Basic Multilingual Plane of the UCS, the Supplementary Multilingual Plane, the Supplementary Ideographic Plane, the Tertiary Ideographic Plane, and the Supplementary Special-purpose Plane; defines a set of graphic characters used in scripts and the written form of languages on a world-wide scale... [sic]

Single copy price: \$250.00

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

Send comments to Barbara Bennett <[comments@standards.incits.org](mailto:comments@standards.incits.org)>

**INCITS/ISO/IEC 17826:2022 [202x], Information technology - Cloud Data Management Interface (CDMI) Version 2.0.0** (identical national adoption of ISO/IEC 17826:2022 and revision of INCITS/ISO/IEC 17826:2016 [2018])

Specifies the interface to access cloud storage and to manage the data stored therein. This international standard applies to developers who are implementing or using cloud storage.

Single copy price: \$250.00

Obtain an electronic copy from: <http://webstore.ansi.org>  
Send comments to Barbara Bennett <[comments@standards.incits.org](mailto:comments@standards.incits.org)>

**INCITS/ISO/IEC 18045:2022 [202x], Information security, cybersecurity and privacy protection – Evaluation criteria for IT security - Methodology for IT security evaluation** (identical national adoption of ISO/IEC 18045:2022

and revision of INCITS/ISO/IEC 18045:2008 [R2018])

Defines the minimum actions to be performed by an evaluator in order to conduct an ISO/IEC 15408 series evaluation, using the criteria and evaluation evidence defined in the ISO/IEC 15408 series.

Single copy price: \$250.00

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

Send comments to Barbara Bennett <[comments@standards.incits.org](mailto:comments@standards.incits.org)>

**INCITS/ISO/IEC 23270:2018 [202x], Information technology - Programming languages - C** (identical national adoption of ISO/IEC 23270:2018 and revision of INCITS/ISO/IEC 23270:2006 [R2018])

Describes the form and establishes the interpretation of programs written in the C# programming language. It describes: The representation of C# programs; The syntax and constraints of the C# language; The semantic rules for interpreting C# programs; The restrictions and limits imposed by a conforming implementation of C#.

Single copy price: \$250.00

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

Send comments to Barbara Bennett <[comments@standards.incits.org](mailto:comments@standards.incits.org)>

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## DIN public review announcement

The Deutsches Institut für Normung has announced a document possibly of interest to *Standards Watch* readers open for public review until 10 May 2023. After you register with DIN at <http://www.entwuerfe.din.de/>, you may review the draft standard on-line in German or purchase a copy of the draft standard in German and English from Beuth Verlag.

### Due 10 May 2023

**DIN 56920-1, Veranstaltungstechnik - Begriffe für Mehrzweckgebäude, Theater- und Bühnenarten**  
(Entertainment technology - Nomenclature for multi-purpose buildings, theatres and stages)

Dieses Dokument legt Begriffe für bauliche Anlagen, die als Versammlungsstätten genutzt werden, fest. Versammlungsstätten sind bauliche Anlagen oder Teile baulicher Anlagen, die für die gleichzeitige Anwesenheit vieler Menschen bei Veranstaltungen, insbesondere erzieherischer, wirtschaftlicher, geselliger, kultureller, künstlerischer, politischer, sportlicher oder unterhaltender Art, bestimmt sind sowie Schank- und Speisewirtschaften (vergleiche MVStättV). Versammlungsstätten werden in diesem Dokument entsprechend ihrer Bauformen oder ihrer Nutzung unterschieden, wobei die Kernnutzungen maßgeblich für ihre Bezeichnungen sein können. Mit Kernnutzung ist dabei vor allem die gemäß baurechtlicher Genehmigung vorgesehene Nutzung der Versammlungsstätte gemeint. Versammlungsstätten sind also Mehrzweckeinrichtungen, die in der Regel eine Kernnutzung besitzen und daneben eine größere oder kleinere Anzahl zusätzlicher Nutzungen ermöglichen. Dieses Nutzungsspektrum der Veranstaltungsstätten umfasst zum Beispiel: Messen; Sportveranstaltungen; kulturelle, gesellschaftliche, politische, wissenschaftliche Veranstaltungen, Präsentationen, Events; Musikveranstaltungen; Theaterveranstaltungen; Fernsehveranstaltungen und Filmvorführungen.

(This document defines terms for structural facilities used as places of assembly. Places of assembly are structures or parts of structures intended for the simultaneous presence of large numbers of people at events, in particular of an educational, economic, social, cultural, artistic, political, sporting or entertainment nature, as well as public houses and restaurants (cf. MVStättV). Places of assembly are differentiated in this document according to their construction forms or their use, whereby the core uses can be decisive for their designations. The term "core use" primarily refers to the use of the place of assembly as intended by the building permit. Thus, places of assembly are multipurpose facilities that generally have a core use and allow a greater or lesser number of additional uses. This range of uses of venues includes, for example: trade fairs; sporting events; cultural, social, political, scientific events, presentations, events; musical events; theatrical events; television events and film screenings.)



## 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/CTA 490-B-202x, Test Methods of Measurement for Audio Amplifiers** (new standard)

This standard defines test conditions and test measurement procedures for determining various performance characteristics of single-channel and multi-channel power amplifiers, pre-amplifiers, integrated amplifiers, receivers, and tuner/pre-amplifiers that use AC mains power. These performance characteristics include power output, total harmonic distortion (THD), and sensitivity, among others.

Contact Catrina Akers <[cakers@cta.tech](mailto:cakers@cta.tech)>

### **BSR/ICCPC-202x, International Code Council Performance Code** (new standard)

To provide performance-based requirements for buildings and structures and includes provisions for structural strength, stability, sanitation, means of access and egress, light and ventilation, safety to life and protection of property from fire, sustainability, energy performance, indoor air quality, and mechanisms to facilitate community resilience and, in general, to secure life and property from other hazards affecting the built environment. Includes provisions for the use and occupancy of buildings, structures, facilities and premises, their alteration, repair, maintenance, removal, demolition, and the installation and maintenance of amenities including, but not limited to, such services as the electrical, gas, mechanical, plumbing, energy conservation and building transportation systems; and for the storage, handling and use of explosive, flammable and combustible materials, hazardous materials and dangerous operations and processes. The ICCPC will also address building performance in use (outcomes) as well as at the design stage and functional recovery, as a means to support community resilience.

Contact Karl Aittaniemi <[kaittaniemi@iccsafe.org](mailto:kaittaniemi@iccsafe.org)>

### **BSR Z97.1-202x, Standard for Safety Glazing Materials used in Buildings - Safety Performance Specifications and Methods of Test** (revision of ANSI Z97.1-2015 (R2020))

Review and potentially update sections of the standard that are impacted by new methodologies, technologies, documentation or industry uses of glass and glazing in buildings.

Contact Julia Schimmelpenningh <[jcschi@eastman.com](mailto:jcschi@eastman.com)>

### **BSR/NFPA 70B-202x, Standard for Electrical Equipment Maintenance** (revision of ANSI/NFPA 70B-2019)

This standard covers the preventive maintenance of electrical, electronic, and communications systems and equipment.

Contact Dawn Michele Bellis <[dbellis@nfpa.org](mailto:dbellis@nfpa.org)>

### **BSR/NFPA 495-202x, Explosive Materials Code** (revision of ANSI/NFPA 495-2023)

This code shall apply to the manufacture, transportation, storage, sale, and use of explosive materials.

Contact Dawn Michele Bellis <[dbellis@nfpa.org](mailto:dbellis@nfpa.org)>

### **BSR/NFPA 730-202x, Guide for Premises Security** (revision of ANSI/NFPA 730-2023)

This guide describes construction, protection, occupancy features, and practices intended to reduce security vulnerabilities to life and property. NFPA 730 is referred to herein as “this guide” or “the guide.” This guide should not supersede government statutes or regulations.

Contact Dawn Michele Bellis <[dbellis@nfpa.org](mailto:dbellis@nfpa.org)>

### **BSR/NFPA 731-202x, Standard for the Installation of Premises Security Systems** (revision of ANSI/NFPA 731-2023)

This standard covers the application, location, installation, performance, testing, and maintenance of premises security systems and their components.

Contact Dawn Michele Bellis <[dbellis@nfpa.org](mailto:dbellis@nfpa.org)>

### **BSR/NFPA 2800-202x, Standard on Facility Emergency Action Plans** (revision of ANSI/NFPA 2800-2023)

This standard shall establish minimum requirements for emergency action plans (EAPs)

addressing all-hazard emergencies for occupied facilities with an occupant load greater than 500. This document can be used as a guideline or a best practice in facilities that have occupant loads less than the thresholds in the scope.

Contact Dawn Michele Bellis <[dbellis@nfpa.org](mailto:dbellis@nfpa.org)>

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## 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. "Final actions" means "done for now." No standard is ever finished.

**ANSI/ASHRAE/ICC/IES/USGBC Addendum v to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020**, 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), 8 March 2023

**ANSI/ASHRAE/ICC/IES/USGBC Addendum x to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020**, 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), 8 March 2023

**ANSI/ASHRAE/ICC/USGBC/IES Addendum w to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020**, 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), 8 March 2023

**ANSI/ASHRAE/IES Addendum cv to ANSI/ASHRAE/IES Standard 90.1-2022**, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022), 28 February 2023

**ANSI/ASHRAE/IES Addendum g to ANSI/ASHRAE/IES Standard 100-2018**, Energy Efficiency in Existing Buildings (addenda to ANSI/ASHRAE/IES Standard 100-2018), 28 February 2023

**ANSI/ASHRAE Standard 228-2023**, Standard Method of Evaluating Zero Net Energy and Zero Net Carbon Building Performance (new standard), 8 March 2023

**ANSI/ASSP A10.32-2023**, Personal Fall Protection Used in Construction and Demolition Operations (new standard), 6 March 2023

**ANSI/BOMA Z65.4-2023**, Multi-Family and Hospitality Properties: Standard Method of Measurement (new standard), 6 March 2023

**INCITS/ISO/IEC 27017:2015 [2023]**, Information technology - Security techniques - Code of practice for information security controls based on ISO/IEC 27002 for cloud services (identical national adoption of ISO/IEC 27017:2015), 9 March 2023

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## 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 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](mailto:isot@ansi.org)), and must be submitted electronically in the approved ISO template as a Word document. US comments on IEC documents should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices ([tzertuche@ansi.org](mailto:tzertuche@ansi.org)). ISO and IEC Drafts can be made available by contacting ANSI's Customer Service department, [sales@ansi.org](mailto:sales@ansi.org).

**76/729/CD, IEC TS 60825-20 ED1**: Safety of Laser Products Part 20: Safety requirements for products intentionally exposing face or eyes to laser radiation, 28 April 2023

**ISO/DIS 18623-1**, Air compressors and compressed air systems Part 1: Air compressor safety requirements, 19 May 2023, \$107.00

**ISO/DIS 16021**, Urine-absorbing products - Basic principles for evaluation of single-use adult-incontinence products from the perspective of users and caregivers, 25 May 2023, \$53.00

**64/2588/CDV, IEC 60364-5-52/AMD1 ED3**: Amendment 1 - Low-voltage electrical installations - Part 5-52: Selection and erection of electrical equipment - Wiring systems, 26 May 2023

**77A/1167/DTS, IEC TS 61000-3-16 ED1**: Electromagnetic compatibility (EMC) - Part 3-16: Limits - Limits for harmonic currents produced by the inverter of inverter-type electrical energy-supplying equipment with a reference current less than or equal to 75 A per phase connected to public low-voltage systems, 26 May 2023

**34D/1690/CDV, IEC 60598-1 ED10**: Luminaires - Part 1: General requirements and tests, 2 June 2023

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## Recently published ISO & IEC documents

Listed here are documents recently approved by the ISO or IEC 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/CIE 23539:2023**, Photometry - The CIE system of physical photometry, \$210.00

**ISO/IEC 22121-2:2023**, Information technology – Virtual keyboards user interfaces - Part 2: On-screen keyboards with direct touch interface, \$183.00

**IEC 62680-4-1 Ed. 1.0 b:2022**, Universal Serial Bus interfaces for data and power - Part 4-1: Universal Serial Bus 4 Specification, \$512.00

**IEC 61158-3-28 Ed. 1.0 b:2023**, Industrial communication networks - Fieldbus specifications - Part 3-28: Data-link layer service definition - Type 28 elements, \$367.00

**IEC 61158-4-28 Ed. 1.0 b:2023**, Industrial communication networks - Fieldbus specifications - Part 4-28: Data-link layer protocol specification - Type 28 elements, \$367.00

**IEC 61158-5-27 Ed. 1.0 b:2023**, Industrial communication networks - Fieldbus specifications - Part 5-27: Application layer service definition - Type 27 elements, \$481.00

**IEC 61784-1-22 Ed. 1.0 b:2023**, Industrial networks - Profiles Part 1-22: Fieldbus profiles - Communication Profile Family 22, \$95.00

**IEC 61784-2-19 Ed. 1.0 b:2023**, Industrial networks - Profiles Part 2-19: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 19, \$190.00

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## TSP meeting schedule

The next set of meetings will be held at the Wyndham Anaheim in conjunction with the NAMM Show. The [ESTA meetings](#) page has [a link to reserve a room](#) at the Wyndham Anaheim. The meetings will be via WebEx as well as in-person at the Wyndham Anaheim. All the times shown are Pacific Time.

Control Protocols Working Group	09:00 – 13:00 PDT	Thursday 13 April 2023
CPWG E1.68 DMX512 compliance	09:00 – 13:00 PDT	Friday 14 April 2023
CPWG E1.73 NextGen UDR	09:00 – 13:00 PDT	Friday 14 April 2023
	09:00 – 13:00 PDT	Saturday 15 April 2023
CPWG NextGen transport	14:00 – 18:00 PDT	Friday 14 April 2023
Electrical Power Working Group	14:00 – 17:00 PDT	Tuesday 11 April 2023
Event Safety Working Group	09:00 – 13:00 PDT	Friday 14 April 2023
Floors Working Group	19:00 – 23:00 PDT	Tuesday 11 April 2023
Fog & Smoke Working Group	09:00 – 13:00 PDT	Wednesday 12 April 2023
Photometrics Working Group	15:00 – 18:00 PDT	Thursday 13 April 2023
Rigging Working Group	19:00 – 23:00 PDT	Thursday 13 April 2023
Stage Machinery Working Group	14:00 – 18:00 PDT	Wednesday 12 April 2023
Technical Standards Council Council	14:00 – 18:00 PDT	Saturday 15 April 2023
Weapons Safety Working Group	09:00 – 13:00 PDT	Saturday 15 April 2023

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## ESTA Standards Watch

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