



ESTA Standards Watch

Late October 2022

Volume 26, Number 20

Table of Contents

1000 _(base 2) standards in public review.....	1
ANSI approves reaffirmation of ESTA's E1.35.....	2
USITT seeks comments on inclusive, non-offensive terms.....	3
WTO Technical Barrier to Trade notifications.....	3
Brazil Notification BRA/1452.....	3
United States of America Notification USA/1932.....	4
ANSI public review announcements.....	5
Due 28 November 2022.....	5
Due 5 December 2022.....	5
CSA public review announcements.....	6
Due 11 December 2022.....	6
Due 17 December 2022.....	7
New ANS projects.....	7
Final actions on American National Standards.....	9
Draft IEC & ISO documents.....	9
Recently published IEC & ISO documents.....	10
TSP meeting schedule.....	10
Investors in Innovation, supporters of ESTA's Technical Standards Program.....	11
Editors.....	12

1000_(base 2) standards in public review

Eight draft ESTA standards are available for public review and comment on the ESTA website at <http://estalink.us/pr>. The downloads are free. The documents in public review, sorted by comment due date, are:

BSR E1.76, Tension Wire Grids, covers design and application criteria including the loading, self-weight considerations, transitions between levels, and suspension from the building 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. Comment no later than 14 November 2022.

BSR E1.20, Entertainment Technology -- Remote Device Management over USITT DMX512 Networks, is a revision of the existing E1.20 – 2010. The revision is to clarify ambiguities, fix bugs, and incorporate some additional features. E1.20 is an extension to USITT DMX512 and ANSI E1.11 that allows for bi-directional communication on the primary data link. This allows a controller to discover RDM-enabled devices on the link, to set starting addresses and other configuration settings, and to request status messages. The project also is to reinstate E1.20 as an American National Standard. It has lost that status due to being over-age. Comment no later than 28 November.

BSR E1.37-5, General Purpose Messages for E1.20, RDM, is to provide additional Get/Set parameter messages (PIDs) for use with the E1.20 Remote Device Management protocol. The public review package is a ZIP file with folders of 128 JSON examples. The standard is E1-37-5 General Purpose PIDs r30 2022-09-01.pdf. Comments on any of the files are welcome, but only comments on E1-37-5 General Purpose PIDs r30 2022-09-01.pdf will be formally considered and resolved. Comment no later than 28 November 2022.

BSR E1.59, Entertainment Technology--Object Transform Protocol (OTP), describes a mechanism to transfer object transform information such as position, orientation and velocity over an IP network using a subset of the ACN protocol suite. It covers data format, data protocol, data addressing, and network management. Data transmitted is intended to coordinate visual and audio elements of a production. The existing standard is being revised to include new modules for camera metadata. Comment no later than 28 November 2022.

BSR E1.41, Recommendation for the Measurement of Entertainment Luminaires Utilizing Solid State Light Sources, is intended to be used for the presentation of photometric data for luminaires employing solid state light sources used in the entertainment and performance industries. This standard defines photometric data that may be presented on documents purporting to accurately describe the photometric performance of these luminaires when producing white and colored light. Comment no later than 5 December 2022.

BSR E1.42 - 202x, Safety Standard for Entertainment Lifts, is a revision of ANSI E1.42-2018 Entertainment Technology - Design, Installation, and Use of Orchestra Pit Lifts. Stage and orchestra lifts are specifically excluded from ASME A17.1 Safety Code for Elevators and Escalators. The previous version provided a reference standard for the design, manufacture, installation, and inspection of orchestra pit lifts. This revision expands its scope to include stage lifts and other similar lifts. These lifts have widely varying requirements and operating conditions. Procedures for risk assessment and risk reduction have been added to accommodate these conditions. As a result, many sections have been reorganized and renumbered. To reflect the increased scope and more closely follow ASME A17.1, the title has also been changed to Safety Standard for Entertainment Lifts. Comment no later than 5 December 2022.

BSR ES1.5-202x, Medical Preparedness, helps identify the steps necessary to create a reasonable level of protection from medical hazards that can be created by, exacerbated by, or cause effective treatment delay as a result of, the unique challenges & circumstances presented by the special event environment. Its scope includes the assessment of specific medical hazards, and also addresses the potential impact to local medical services, which may be temporarily impacted by the specific needs of the special event. Comment no later than 12 December 2022.

BSR ES1.40 - 202x, Event Safety – Security, addresses the various guest services and crowd control aspects that are encompassed by "event security," all of which serve a common function of establishing the behavioral expectations for the event, ranging from permissible item possession, access control, and behavioral management, to crime prevention and an overall sense of safety for event attendees. This standard addresses both active and passive security considerations. It distinguishes between private security staff and law enforcement. This standard helps reduce the risk of harm to event attendees and to their property, while helping to improve their on-site experience. Comment no later than 12 December 2022. If you wait until December 13, you missed it!

ANSI approves reaffirmation of ESTA's E1.35

On October 20 ANSI's Board of Standards Review approved the reaffirmation of ANSI E1.35, Standard for Lens Quality Measurements for Pattern Projecting Luminaires Intended for Entertainment Use. It's available for free download at <http://tsp.esta.org/freestandards>

ANSI E1.35 describes a method for measuring stage and studio luminaire lens quality with particular emphasis on contrast and perceived projected image quality (sharpness). It also offers a way for presenting these results on a datasheet in a format that is readily understood by a typical end-user and that allows the end-user to compare lenses in a meaningful way. Without this standard, there is no way to describe how clearly a stage lighting instrument projects an image, other than by showing a person with the actual instrument and gobo.

The no-cost download from the ESTA website is a ZIP file that includes an EPS graphic file of the test pattern in three common gobo sizes. The standard also may be purchased for \$40 from [ANSI](#) or [IHS](#), but the product sold there is the standard alone without the EPS file.

USITT seeks comments on inclusive, non-offensive terms

USITT's Terminology Working Group is seeking public comment on a draft USITT RP-xx – 20xx, Recommended Practice for the Use of Inclusive Terminology in Entertainment Technology, Design, and Management Fields. The draft document and a response form is available at www.usitt.org/terms. The public review runs through 16 December 2022. Even if you have no comments, it would help the working group to know that you feel the document is complete by submitting the form and indicate this.

The recommended practice has is intended to promote a shared awareness and understanding of the harmful nature of certain terminology used in the entertainment industry, as well as to offer recommendations of less harmful terms to use in their stead. Its goal is to eliminate the use of harmful terminology and to promote the use of inclusive language. It is not attempting to impose specific replacement terminology. The alternatives recommended here are just that: recommendations. Some terms will have multiple possible alternatives. These recommendations reflect this industry' s current wisdom about reasonable alternatives but are not the only possible alternatives.

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. The sort order is by comment due-date.

Brazil Notification BRA/1452

Date issued: 10 October 2022

Agency responsible: National Institute of Metrology, Standardization and Industrial Quality (INMETRO) ; National Telecommunications Agency – ANATEL

National inquiry point: TBT/WTO Enquiry Point (INMETRO)

Products covered: Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories of such articles (HS code: 85); TELECOMMUNICATIONS. AUDIO AND VIDEO ENGINEERING

Title: Public Consultation 65, 5 September 2022. (5 pages in Portuguese)

Description of content: Public Consultation proposal to establish mandatory cybersecurity minimum requirements for conformity assessment of CPE (Customer Premises Equipment) to mitigate vulnerabilities. Comments can be made at: <https://apps.anatel.gov.br/ParticipaAnatel/Home.aspx> Selecting Public consultation No 65

Objective and rationale: Definition of minimum cybersecurity requirements for conformity assessment of CPE (Customer Premises Equipment) equipment. CPE equipment distributed in the national market has the default authentication configuration vulnerability. This vulnerability, which consists in the factory configuration of authentication passwords that are the same among all equipment units produced, allows malicious agents to easily access the equipment configuration environment via the internet and take control of those CPEs that have not had their default passwords changed. Such intrusions can result in the compromise of information (personal, banking, etc.) of users of telecommunications services, in addition to allowing such CPEs to be used as vectors in denial of service attacks or other types of cyber-attacks.; Quality requirements

Relevant documents: 01) Brazilian Official Gazette 191, on 6 October 2022, section 1, page 23 02) SEI process number 53500.032306/2022-74

<https://www.in.gov.br/web/dou/-/consulta-publica-n-65-de-5-de-setembro-de-2022-434397246>

https://sei.anatel.gov.br/sei/modulos/pesquisa/md_pesq_processo_exibir.php?

[exlsiWoPbTSMJNP15y_TiUpWlfXjgqaCc-](https://sei.anatel.gov.br/sei/modulos/pesquisa/md_pesq_processo_exibir.php?exlsiWoPbTSMJNP15y_TiUpWlfXjgqaCc-)

[xbh3o0V5ttS0uQqlkRDNDdsrlbDPN0z9DjOh_HT6NYS_BYkN5mIMZtXL3SEft4AIIAXscgoy_nnFif4_hcUv336Y_EbAenU](https://sei.anatel.gov.br/sei/modulos/pesquisa/md_pesq_processo_exibir.php?xbh3o0V5ttS0uQqlkRDNDdsrlbDPN0z9DjOh_HT6NYS_BYkN5mIMZtXL3SEft4AIIAXscgoy_nnFif4_hcUv336Y_EbAenU)

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 4 December 2022

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/BRA/full_text/pdf/BRA1452\[1\]\(portuguese\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/BRA/full_text/pdf/BRA1452[1](portuguese).pdf) and [https://tsapps.nist.gov/notifyus/docs/wto_country/BRA/full_text/pdf/BRA1452\[2\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/BRA/full_text/pdf/BRA1452[2](english).pdf)

United States of America Notification USA/1932

Date issued: 19 October 2022

Agency responsible: Office of Energy Efficiency and Renewable Energy (OEERE)

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Air cleaners

Title: Energy Conservation Program: Test Procedure for Air Cleaners; (30 pages in English)

Description of content: Notice of proposed rulemaking and request for comment - The U.S. Department of Energy ("DOE") proposes to establish definitions, a test procedure, and sampling and representation requirements for air cleaners. Currently, air cleaners are not subject to DOE test procedures or energy conservation standards. DOE proposes a test procedure for measuring the integrated energy factor for air cleaners. The proposed test method references the relevant industry standard, with certain proposed modifications. DOE is seeking comment from interested parties on the proposal.

DOE will hold a webinar on Wednesday, 9 November 2022, from 1:00 p.m. to 4:00 p.m. Eastern Time. See section V, "Public Participation," for webinar registration information, participant instructions, and information about the capabilities available to webinar participants.

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

Relevant documents: 87 Federal Register (FR) 63324, 18 October 2022; Title 10 Code of Federal Regulations (CFR) Parts 429 and 430: <https://www.govinfo.gov/content/pkg/FR-2022-10-18/pdf/2022-21698.pdf>. This notice of proposed rulemaking; request for comment is identified by EERE-2021-TP-0036 The Docket Folder is available from Regulations.gov at <https://www.regulations.gov/docket/EERE-2021-BT-TP-0036/document> and provides access to primary documents as well as comments received. Documents are also accessible from Regulations.gov by searching the Docket Number(s). WTO Members and their stakeholders are asked to submit comments to the USA TBT Enquiry Point by or before 4pm Eastern Time on 19 December 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.

DOE proposes to incorporate by reference the following draft industry standards into 10 CFR part 430: AHAM AC-7-2022 Draft, "Energy Test Method for Consumer Room Air Cleaners".

AHAM AC-7-2022 Draft is in draft form and its text was provided to DOE for the purposes of review only during the drafting of this notice of proposed rulemaking ("NOPR"). DOE intends to update the reference to the final published version of AHAM AC-7-2022 Draft in the test procedure final rule, should it publish prior to the final rule, unless there are substantive changes between the draft and published versions, in which case DOE may adopt the substance of the AHAM AC-7-2022 Draft or provide additional opportunity for comment on the changes to the industry consensus test procedure.

A copy of AHAM AC-7-2022 Draft is included in the docket for this proposed rulemaking.

AHAM AC-7-2022 Draft additionally references ANSI/AHAM AC-1-2020, "Method for Measuring Performance of Portable Household Electric Room Air Cleaners" in several sections ("AHAM AC-1-2020").

A copy of AHAM AC-1-2020 can be obtained from the Association of Home Appliance Manufacturers (AHAM) at 1111 19th Street NW, Suite 402, Washington, DC 20036; or www.aham.org/AHAM/AuxStore.

ASTM E741-11(2017), "Standard Test Method for Determining Air Change in a Single Zone Means of a Tracer Gas Dilution" Reapproved 1 Sept. 2017.

A copy of ASTM E741-11(2017) can be obtained from ASTM International (ASTM), 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959, or www.astm.org.

IEC 62301, "Household electrical appliances-Measurement of standby power;" Edition 2.0, 2011-01, ("IEC 62301 Ed. 2.0").

A copy of IEC 62301 Ed. 2.0 can be obtained from the International Electrotechnical Commission (IEC), available from the American National Standards Institute (ANSI), 25 W 43rd Street, 4th Floor, New York, NY 10036, (212) 642-4900, or <https://webstore.ansi.org/>.

G/TBT/N/USA/1778 and Add.1 - Energy Conservation Program: Proposed and Final Determination of Air Cleaners as a Covered Consumer Product identified by Docket Number EERE-2021-BT-DET-0022.

G/TBT/N/USA/1827 and Add.1 - Energy Conservation Program: Test Procedure and Energy Conservation Standards for Consumer Products; Consumer Air Cleaners; Request for information identified by Docket Numbers EERE-2021-BT-STD-0035 and EERE-2021-TP-0036.

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 19 December 2022

Full text: <https://www.govinfo.gov/content/pkg/FR-2022-10-18/pdf/2022-21698.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 28 November 2022

BSR A14.4-202x, Safety Requirements for Job-Made Wooden Ladders (revision of ANSI A14.4-2018)

This safety standard prescribes minimum requirements and recommendations for the construction, design, installation, and use of job-made wooden ladders in order to minimize personal injuries. This standard does not cover portable manufactured ladders, permanent fixed ladders, or mobile-equipment ladders. The purpose of this standard is to provide reasonable safety for life and limb during any construction or demolition operation where conditions are not practical or do not permit the erection of temporary stairs or ramps. This standard provides a guide for compliance with minimum required specifications for the construction, care, and use of job-made wooden ladders used for temporary access on construction and demolition operations.

Single copy price: Free

Obtain an electronic copy from www.americanladderinstitute.org

Send comments to info@americanladderinstitute.org

BSR/IES TM-33-202x, Technical Memorandum: Standard Format for the Electronic Transfer of Luminaire Optical Data (revision of ANSI/IES TM-33-2018)

This revision includes updated normative references, revisions to Angular Color Element and Sample Luminous XML Document; miscellaneous revisions to Symmetry Elements, mathematical notes, radian intensity element, absolute element, symmetry types, multiplier elements, and more.

Single copy price: \$25.00

Order from and send comments to pmcgillicuddy@ies.org

Due 5 December 2022

BSR/SAIA A92.9-202x, Mast-Climbing Work Platforms (revision of ANSI/SAIA A92.9-2011 (R2017))

This standard applies to Mast Climbing Work Platforms that are primarily used to position personnel, along with their necessary tools and materials, to perform their work. Platforms may be adjustable by manual or powered means.

Single copy price: Free

Order from and send comments to deanna@saiaonline.org

BSR/SAIA A92.10-202x, Transport Platforms (revision of ANSI/SAIA A92.10-2009 (R2014))

This standard applies to Transport Platforms that are primarily used as a tool of the trade to vertically transport authorized persons, along with materials and necessary tools, to various access levels on a building or structure for construction, renovation, maintenance, or other types of work.

Single copy price: Free

Order from and send comments to deanna@saiaonline.org

BSR/UL 588-202x, Standard for Safety for Seasonal and Holiday Decorative Products (revision of ANSI/UL 588-2021)

This proposal covers: (1) Addition of requirements for commercial use lighting strings; (2) SD4 overcurrent protection; (3) Addition of UL 969A, the Standard for Marking and Labeling Systems - Flag Labels, Flag Tags, Wrap-Around Labels and Related Products as an Option into UL 588.

Single copy price: Free

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

BSR/UL 924-202x, Standard for Safety for Emergency Lighting and Power Equipment (revision of ANSI/UL 924-2020)

This proposal for UL 924 covers: (1) Scope Clarifications (2) Definitions (3) Mounting Means (4) Installation – wiring connections (5) Batteries (6) Electronic circuits subject to voltage surge testing (7) Overcurrent protection (8) Elimination of self-diagnostic (only) equipment (9) Maximum permitted time for ELCD operation (10) Temperature test for recessed equipment (11) High ambient temperature reduction for emergency battery packs (12) Markings (13) Low frequency inverter battery discharge compliance option (14) Expansion of Appendix B content (15) Emergency Systems (16) Communication Enabled Equipment (17) Editorial Corrections

Single copy price: Free

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

BSR/UL 9990-202x, Standard for Safety for Information and Communication Technology (ICT) Power Cables (new standard)

This Outline of Investigation covers the power handling capabilities of Information and Communication Technology (ICT) cable assemblies when used for powering or charging Audio/Video, Information, and Communication Technology Equipment applications. This does not include Power Over Ethernet cables that are permanently installed to power equipment installed on the network. The signal transmission performance of the cable assemblies is not within the scope of these requirements. 1.2 These requirements apply to ICT cable assemblies categorized below, Type designations used in this Outline only serve as a guide to determine appropriate requirements, and do not represent an assigned rating. (a) Type I: These cable assemblies are intended to be used only in the output of a power source class 2 (PS2) and electrical energy source class 1 (ES1), or a limited power source, as determined in accordance with the Standard for Safety for Audio/Video, Information, and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1. These circuits do not exceed 60 V DC, 8.0 amperes and 100 watts. Note: These circuits are sometimes referred to as "low voltage, limited-power circuits", "low voltage, limited-energy circuits" or "NEC Class 2 circuits". (b) Type II: These cable assemblies are intended to be used in the output of a power source that exceeds the limits for Type I and provide powering or charging for connected equipment that do not exceed 60 V DC, 8.0 amperes and power limits over 100 watts and up to and including 250 watts. These cable assemblies contain an electronic circuit to implement power delivery synchronization (handshaking) with the power source before permitting over 100 W of power. Note: These circuits are sometimes referred to as ES1 (< 60Vdc) and PS3 (> 100VA). 1.3 ICT cable assemblies may also be required to comply with industry specifications applicable to their particular configuration and use. Compliance with these specifications is not within the scope of these requirements.

Single copy price: Free

Obtain an electronic copy from <https://csds.ul.com/Home/ProposalsDefault.aspx>

Send comments to Isabella Brodzinski, isabella.brodzinski@ul.org

BSR/UL 2595-202x, Standard for Safety for General Requirements for Battery-Powered Appliances (revision of ANSI/UL 2595-2015)

Proposed third edition of UL 2595/CSA C22.2 No. 0.23, General Requirements for Battery-Powered Appliances.

Single copy price: Free

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

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 11 December 2022

CSA Z185, Safety code for personnel hoists (new edition)

This standard applies to structures and hoists that are not a permanent part of buildings, structures, or other works, and that are used during construction, alteration, or demolition to raise and lower persons and/or materials connected with or related to a building project. This standard covers the design, construction, installation, operation, and acceptance inspection and testing of personnel hoists.

Due 17 December 2022

C22.1, Amendment - Canadian Electrical Code, Part I, Subject No. 4807 - Revisions to Voltage Drop requirements (amendment)

Delete Subrule 8-102 4) as follows:

8-102 Voltage drop (see Appendices B and D)

1) The voltage drop in an installation shall be based on the connected load of the feeder or branch circuit if known; otherwise it shall be based on 80% of the rating of the overload or overcurrent device protecting the branch circuit or feeder, and not exceed

a) 3% in a feeder or branch circuit; and

b) 5% from the supply side of the consumer's service (or equivalent) to the point of utilization.

2) Notwithstanding Subrule 1), where overcurrent devices are selected in accordance with other Sections of this Code, the voltage drop shall be based on the calculated demand load of the feeder or branch circuit.

3) Notwithstanding Subrule 1), wiring for general-use branch circuits rated at not more than 120 V or 20 A in dwelling units, with the insulated conductor length measured from the supply side of the consumer's service to the furthest point of utilization in accordance with the values in Table 68, shall be acceptable.

~~4) Notwithstanding Subrule 1), at industrial establishments where conditions of maintenance and supervision ensure use by qualified persons, the design shall ensure that the voltage at the point of utilization is within the rating or voltage tolerance of the connected device(s).~~

New ANS projects

ANSI has announced the following new project 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 O1.1-7-202x, Safety Requirements for Table Saws (new standard)

The purpose of the O1.1-7 standard will be to establish the safety requirements for the design, installation, care, and usage of table saws used in industrial and commercial applications having a total connected power of 5 hp (3.7 kw) or greater, or having 3-phase wiring.

Contact Nikki Augsburg, nikki@wmma.org

BSR/ASSP A10.25-202X, Sanitation in Construction (revision and redesignation of ANSI/ASSE A10.25-2017)

This standard applies to all construction jobsites and covers potable water, toilet, and hand-washing facilities located on a jobsite. It assures that employees are provided with adequate potable water, hand-washing, and sanitary waste-disposal facilities.

Contact Tim Fisher; TFisher@ASSP.org

BSR/E1.78-202x, Weapons Safety in Entertainment Production (new standard)

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 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."

Contact Richard Nix, standards@esta.org

INCITS/ISO/IEC 24773-1:2019 [202x], Software and systems engineering - Certification of software and systems engineering professionals - Part 1: General requirements (identical national adoption of ISO/IEC 24773-1:2019)

This document is part one of the ISO/IEC 24773 series. It contains the requirements which will be common to all other parts of the ISO/IEC 24773 series, for certifications (schemes and bodies) in the domain of software and

systems engineering.

Contact Deborah Spittle, comments@standards.incits.org

INCITS/ISO/IEC 24773-3:2021 [202x], Software and systems engineering - Certification of software and systems engineering professionals - Part 3: Systems engineering (identical national adoption of ISO/IEC 24773-3:2021)

Elaborates requirements and recommendations for certifications schemes based on ISO/IEC 24773-1, which are specific to the domain of systems engineering.

Contact Deborah Spittle, comments@standards.incits.org

INCITS/ISO/IEC 25020:2019 [202x], Systems and software engineering - Systems and software Quality Requirements and Evaluation (SQuaRE) - Quality measurement framework (identical national adoption of ISO/IEC 25020:2019)

Provides a framework for developing quality measurement. The contents of this document are as follows: quality measurement reference model; relationships among different types of quality measures; guidelines for selecting quality measures; guidelines for constructing quality measures; guidelines for planning and performing measurements; and guidelines for the application of measurement results.

Contact Deborah Spittle, comments@standards.incits.org

INCITS/ISO/IEC 25030:2019 [202x], Systems and software engineering - Systems and software Quality Requirements and Evaluation (SQuaRE) - Quality requirements framework (identical national adoption of ISO/IEC 25030:2019)

Provides the framework for quality requirements for systems, software products, and data, which includes concept of the quality requirements, and requirements and recommendations for the processes and methods to elicit, define, use, and govern them.

Contact Deborah Spittle, comments@standards.incits.org

INCITS/ISO/IEC 26552:2019 [202x], Software and systems engineering - Tools and methods for product line architecture design (identical national adoption of ISO/IEC 26552:2019)

This document, within the context of methods and tools for architecture design for software and systems product lines, defines processes and their subprocesses performed during domain and application architecture design. Those processes are described in terms of purpose, inputs, tasks and outcomes; defines method capabilities to support the defined tasks of each process; defines tool capabilities to automate/semi-automate tasks or defined method capabilities.

Contact Deborah Spittle, comments@standards.incits.org

INCITS/ISO/IEC 26560:2019 [202x], Software and systems engineering - Tools and methods for product line product management (identical national adoption of ISO/IEC 26560:2019)

This document, within the context of methods and tools for product line product management, defines product line-specific processes and their subprocesses for product management of software and systems product lines. Those processes are described in terms of purpose, inputs, tasks and outcomes; defines method capabilities to support the defined tasks of each process; defines tool capabilities to automate/semi-automate tasks or defined method capabilities.

Contact Deborah Spittle, comments@standards.incits.org

INCITS/ISO/IEC 27014:2020 [202x], Information security, cybersecurity and privacy protection - Governance of information security (identical national adoption of ISO/IEC 27014:2020)

Provides guidance on concepts, objectives, and processes for the governance of information security, by which organizations can evaluate, direct, monitor and communicate the information security-related processes within the organization.

Contact Deborah Spittle, comments@standards.incits.org

INCITS/ISO/IEC 27036-2:2022 [202x], Cybersecurity - Supplier relationships - Part 2: Requirements (identical national adoption of ISO/IEC 27036-2:2022)

Specifies fundamental information security requirements for defining, implementing, operating, monitoring, reviewing, maintaining, and improving supplier and acquirer relationships. These requirements cover any

procurement and supply of products and services, such as manufacturing or assembly, business process procurement, software and hardware components, knowledge process procurement, build-operate-transfer and cloud computing services.

Contact Deborah Spittle, comments@standards.incits.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. "Final actions" means "done for now." No standard is really ever finished.

ANSI/AWS A9.5-2013 (R2023), Guide for Verification and Validation in Computation Weld Mechanics (reaffirmation of ANSI/AWS A9.5-2012), 6 October 2022

ANSI/AWS C1.1M/C1.1-2022-AMD1, Recommended Practices for Resistance Welding (revision of ANSI/AWS C1.1M/C1.1-2019), 6 October 2022

ANSI/IES RP-1-22-2022, Recommended Practice: Lighting Office Spaces - Home Office Lighting (revision of ANSI/IES RP-1-2020), 14 October 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.) Some of the due dates are in the past, but the dates shown are what were given. The sort order is by due-date.

34/986/FDIS, IEC 62386-202 ED2: Digital addressable lighting interface - Part 202: Particular requirements for control gear -Self-contained emergency lighting (device type 1), 25 November 2022

56/1972/DTR, IEC TR 63162 ED1: Electric components -Reliability - Reference failure rates at reference conditions, 02 December 2022

110/1453/CDV, IEC 62977-3-5 ED1: Electronic displays - Part 3 -5: Evaluation of optical performance - Colour capabilities, 02 December 2022

JTC1-SC41/314/CD, ISO/IEC TS 30168 ED1: Internet of Things (IoT) - Generic Trust Anchor Application Programming Interface for Industrial IoT Devices, 02 December 2022

65C/1187/NP, PNW 65C-1187 ED1: Industrial communication networks - Profiles - Part 3-19: Functional safety fieldbuses -Additional specifications for CPF 19, 30 December 2022

ISO/DIS 22371, Security and resilience - Community resilience -Principles and framework for urban resilience, 2 January 2023, \$102.00

46C/1237/CD, IEC 61156-15 ED1: Multicore and symmetrical pair/quad cables for digital communications - Part 15: Symmetrical pair/quad cables for horizontal floor wiring with transmission characteristics up to 1 000 MHz and resistance to fire performance characteristics - Sectional specification, 06 January 2023

65/947/DTS, IEC TS 62443-1-5 ED1: Security for industrial automation and control systems - Part 1-5: Scheme for IEC 62443 cyber security profiles, 06 January 2023

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 128-2:2022, Technical product documentation (TPD) - General principles of representation - Part 2: Basic conventions for lines, \$225.00

ISO 21801-2:2022, Cognitive accessibility - Part 2: Reporting, \$200.00

ISO/TS 23686:2022, Service excellence - Measuring service excellence performance, \$111.00

ISO/TS 42501:2022, Sharing economy - General trustworthiness and safety requirements for digital platforms, \$111.00

ISO/TS 42502:2022, Sharing economy - Guidance for provider verification on digital platforms, \$73.00

TSP meeting schedule

The next set of meetings will be in the week of January 16 in 2023. They will be via WebEx.

The following set of meetings will be scheduled in April around the NAMM Show. Meetings will be in person in Anaheim and remote via WebEx.

The schedules are not set yet. When they are, they will be posted at <https://www.esta.org/ESTA/meetings.php>.

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

Michael Lay

B-Hive Industries, Inc.

Link

Scott Blair

John T. McGraw

Boston Illumination Group

Mike Garl Consulting

Candela Controls, Inc.

Mike Wood Consulting

Clark Reder Engineering

Lizz Pitsley

Tracey Cosgrove & Mark McKinney

Reed Rigging

Doug Fleenor Design

Reliable Design Services

Down Stage Right Industries Ltd.

Alan Rowe

EGI Event Production Services

Sapsis Rigging Inc.

Entertainment Project Services

SBS Lighting

Neil Huff

Steve A. Walker Associates

Interactive Technologies

Dana Taylor

iStudio Projects

Steve Terry

Jules Lauve

Vertigo

Brian Lawlor

WNP Services

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

Bruce William Darden

Techni-Lux

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)
High Output
InCord
iWeiss
Oasis Stage Werks

SUPPORTER (\$50 - \$199; <20 employees/members)
Chip Scott Lighting Design
Matthew Douglas III
Beverly and Tom Inglesby
KASUGA
Luminator Technology Group
Bill McCord
Motion FX

Stagemaker
Syracuse Scenery and Stage Lighting Co., Inc.
Vincent Lighting Systems
Wuhan Zhongtian Jiaye Mechanical & Electrical Eng.
Co.

Northern Lights Electronic Design
Shanxi Tian Gong Sheng Optoelectronic Equipment
Technology Co.
Sigma Net
Patrick Wallace
Mitchell Weisbrod

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!*

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>.