Technical Standards Program

ESTA Standards Watch

Early November 2023 Volume 27, Number 21

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NATEAC 2024 requests session proposals

The North American Theatre Engineering and Architecture Conference (NATEAC) has put out a request for proposals for sessions for the July 2024 conference, which will be held in Brooklyn, New York. The theme of the 2024 conference is “Access.” Access can be construed in technical and human ways. While it certainly encompasses ADA solutions and rope, it also can include DEI, choice of clients, information in the AI age, gender-neutral restrooms, green space, and more.

Session topics should be relevant and timely, with a high level of knowledge to match the caliber of the audience. Proprietary products and processes are not suitable subjects. Proposals may be submitted through the NATEAC RFP submissions page at esta.org/rfp.

NATEAC will host a world-class list of architects, engineers, theatre consultants, designers, and other industry professionals at the New York City College of Technology, July 13-15, 2024. In addition to sessions, there will be networking opportunities, including the New York Harbor Cruise and a benefit dinner for the Behind the Scenes Charity. To be updated about the latest NATEAC news, visit esta.org/nateac and sign up to the mailing list. Sponsorship opportunities will be forthcoming.

ESTA standards in public review

A new collection of ten ESTA draft standards is available for public review at http://estalink.us/pr. They can be downloaded at no cost other than your time. The public reviews run through December 11. The documents will disappear from the website on December 12. The documents in public review are:

ANSI E1.29-2009, Product Safety Standard for Theatrical Fog Generators that Create Aerosols of Water, Aqueous Solutions of Glycol or Glycerin, or Aerosols of Highly Refined Alkane Mineral Oil, is being considered for reaffirmation. The standard is intended to help guide product safety testing laboratories in evaluating fog-making equipment for design or construction defects that might create unacceptable hazards. It is based on UL 998 - 2006, Humidifiers, with modifications. Products covered are theatrical fog generators intended for use in professional theatrical entertainment, film and video production, theme parks, and fire safety training.
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ANSI E1.5 - 2009, Theatrical Fog Made with Aqueous Solutions of Di- and Trihydric Alcohols, is also being considered for reaffirmation. This standard describes the composition of theatrical fogs or artificial mists that are not likely to be harmful to healthy performers, technicians, or audience members of normal working age. It is limited to those fogs and mists made from a solution of water and one or more dihydric or trihydric alcohols, and is intended to be applied in theatres, arenas, and other places of entertainment or public assembly.

ANSI E1.34 - 2009, Measuring and Specifying the Slipperiness of Floors Used in Live Performance Venues, was last reaffirmed in 2019, and is being considered for another reaffirmation. It describes means of measuring and specifying the slipperiness of floor surface materials used by performers in live entertainment venues. The standard is not intended to be applied to normal walking and working surfaces, but only to those floor surface materials used by actors, dancers, and other similar artists when rehearsing or performing.

BSR ES1.17, Event Safety – Event Lighting & Electrical Safety, provides guidance for the application, assessment, and documentation of safe electrical working practices during the installation, show, and dismantling of special event electrical systems and equipment. It includes consideration of the identification and assessment of specific event electrical hazards, and the potential impacts of unsafe electrical working practices. It also provides guidance on minimum requirements for egress lighting systems used for special events.

BSR E1.11, USITT DMX512-A, describes a method of digital data transmission for control of lighting equipment and accessories, including dimmers, color-changers, and related equipment, intended to provide interoperability at communication and mechanical levels with controllers and controlled equipment made by different manufacturers. It is an update and expansion of the protocol developed by the United States Institute for Theatre Technology, Inc. and published as "DMX512/1990, Digital Data Transmission Standards for Dimmers and Controllers." This revision has been updated to accommodate changes in technology and recommended industry practice.

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

BSR E1.73, parts -1, -2, -3, and -4 (Uniform Device Representation), is a suite of standards that provides a framework by which manufacturers of entertainment equipment can describe controllable and visualizable devices in a digital format. The framework will enable the provision of descriptive information about devices and their state, including both parameters and physical properties, and the metadata needed to describe them. A standard method will be provided to map controllable parameters to existing control endpoints. The current draft version

includes the first four parts of the suite: E1.73-1 is the Core Document; E1.73-2 contains the Core Definitions for E1.73-1; E1.73-3 contains Intensity/Color Definitions for E1.73-1; E1.73-4 contains Motion Definitions for E1.73-1.

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/873/rev.1/add.1

Title: Energy Conservation Program: Energy Conservation Standards for Electric Motors
Notification date: 23 October 2023
Agency responsible: U.S. Department of Energy (“DOE”)
Reason(s) for addendum:
Notified measure publication date: 20 September 2023; **Entry into force date:** 29 September 2023; The effective date of 29 September 2023, for the direct final rule published 1 June 2023 (88 FR 36066), is confirmed. Compliance with the new standards established in the direct final rule is required on and after 1 June 2027.
Text of final measure available from: 88 Federal Register (FR) 72347, 10 Code of Federal Regulations (CFR) Part 431:
https://www.govinfo.gov/content/pkg/FR-2023-10-20/html/2023-23204.htm
https://www.govinfo.gov/content/pkg/FR-2023-10-20/pdf/2023-23204.pdf
https://members.wto.org/crnattachments/2023/TBT/USA/final_measure/23_13078_00_e.pdf
Description: The U.S. Department of Energy ("DOE") published a direct final rule to establish new and amended energy conservation standards for electric motors in the Federal Register on 1 June 2023 (88 FR 36066). DOE has determined that the comments received in response to the direct final rule do not provide a reasonable basis for withdrawing the direct final rule. Therefore, DOE provides this document confirming the effective and compliance date of those standards. 10 CFR Part 431 is accessible online at: https://www.ecfr.gov/current/title-10/chapter-II/subchapter-D/part-431.

This direct final rule; confirmation of effective and compliance dates and the notice of proposed rulemaking and direct final rule notified as G/TBT/N/USA/873/Rev.1 are identified by Docket Number EERE-2020-BT-STD-0007. The Docket Folder is available on Regulations.gov at https://www.regulations.gov/docket/EERE-2020-BT-STD-0007/document and provides access to primary and supporting documents as well as comments received. Documents are also accessible from Regulations.gov by searching the Docket Number.

China Notification CHN/1766

Title: Interim Measures on Radio Management of Civil Unmanned Aircraft; (17 page(s), in Chinese)
Notification date: 24 October 2023
Agency responsible: Ministry of Industry and Information Technology of the People's Republic of China
Products covered: Civil Unmanned Aircraft System (UAS) Equipment (HS code(s): 8806)
Description of content: This document specifies the radio management measures and radio frequency technical indicators for Civil Unmanned Aircraft System (UAS) Equipment produced or imported for domestic sales and uses in China.
Objective and rationale: Quality requirements
Relevant documents: "Radio Regulations of the People's Republic of China"; "Interim Regulation on the Administration of the Flight of Unmanned Aircraft"
Proposed date of adoption: Nov. 2023
Proposed date of entry into force: To be determined
Final date for comments: To be determined
Texts available from: WTO/TBT National Notification and Enquiry Center of the People's Republic of China Tel：+86 10 57954633 / 57954627; E_mail: tbt@customs.gov.cn
https://members.wto.org/crnattachments/2023/TBT/CHN/23_13116_00_x.pdf

United States of America Notification USA/1954/add.1

Title: Phasedown of Hydrofluorocarbons: Restrictions on the Use of Certain Hydrofluorocarbons Under Subsection (i) the American Innovation and Manufacturing Act of 2020
Notification date: 25 October 2023
Agency responsible: U.S. Department of Energy ("DOE")
Reason(s) for addendum:
Notified measure publication date: 24 October 2023; **Entry into force date:** 26 December 2023
Text of final measure available from: 88 Federal Register (FR) 73098, 40 Code of Federal Regulations (CFR) Part 84:
https://www.govinfo.gov/content/pkg/FR-2023-10-24/html/2023-22529.htm
https://www.govinfo.gov/content/pkg/FR-2023-10-24/pdf/2023-22529.pdf
https://members.wto.org/crnattachments/2023/TBT/USA/final_measure/23_13123_00_e.pdf
Description: The U.S. Environmental Protection Agency is issuing regulations to implement certain provisions of the American Innovation and Manufacturing Act, as enacted on 27 December 2020. This rulemaking restricts the use of hydrofluorocarbons in specific sectors or subsectors in which they are used; establishes a process for submitting technology transitions petitions; establishes recordkeeping and reporting requirements; and addresses certain other elements related to the effective implementation of the American Innovation and Manufacturing Act. These restrictions on the use of hydrofluorocarbons address petitions granted on 7 October 2021, and 19 September 2022. This rule is effective 26 December 2023. 40 Code of Federal Regulations (CFR) Part 84 is accessible at https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-84?toc=1.

This final rule and the notice of proposed rulemaking/advance notice of proposed rulemaking notified as G/TBT/N/USA/1954 are identified by Docket Number EPA-HQ-OAR-2021-0643. The Docket Folder is available from Regulations.gov at https://www.regulations.gov/docket/EPA-HQ-OAR-2021-0643/document and provides access to primary and supporting documents as well as comments received. Documents are also accessible from Regulations.gov by searching the Docket Number.

South Africa notification ZAF/252

Title: COMPULSORY SPECIFICATION FOR SAFETY REQUIREMENTS OF GENERAL SERVICE LAMPS (GSLs) - VC 9110; (10 page(s), in English)
Notification date: 26 October 2023
Agency responsible: National Regulator for Compulsory Specification (NRCS)
NRCS; www.nrcs.org.za,
Theresa.Stoltz@nrcs.org.za
+27 12 4828700
Products covered: Light-emitting diode (LED) light sources : (HS code(s): 85395); Environment. Health protection. Safety (ICS code(s): 13)
Description of content: Safety of General Service lamps in South Africa
Objective and rationale: Protection of human health or safety
Relevant documents: SANS\IEC 62560, Self-ballasted LED-lamps for general lighting services by voltage > 50 V;
Proposed date of adoption: 24 May 2023
Proposed date of entry into force: 24 May 2024
Final date for comments: 60 days from notification; Final Publication
Texts available from: https://members.wto.org/crnattachments/2023/TBT/ZAF/23_13157_00_e.pdf

South Africa notification ZAF/253

Title: COMPULSORY SPECIFICATION FOR ENERGY EFFICIENCY AND FUNCTIONAL PERFORMANCE REQUIREMENTS OF GENERAL SERVICE LAMPS (GSLs) - VC 9109; (20 page(s), in English)
Notification date: 26 October 2023
Agency responsible: National Regulator for Compulsory Specification (NRCS)
NRCS, +27 12 4828700,
Theresa.Stoltz@nrcs.org.za
www.nrcs.org.za
Products covered: Light-emitting diode (LED) light sources : (HS code(s): 85395); Environment. Health protection. Safety (ICS code(s): 13)

Description of content: ENERGY EFFICIENCY AND FUNCTIONAL PERFORMANCE REQUIREMENTS OF GENERAL SERVICE LAMPS IN SOUTH AFRICA
Objective and rationale: Consumer information, labeling; Prevention of deceptive practices and consumer protection; Protection of the environment; Quality requirements.
Relevant documents: SANS\IEC 62612; IEC 63103
Proposed date of adoption: 24 May 2023
Proposed date of entry into force: 24 May 2024; 12 months from the publication of the regulation
Final date for comments: Not Applicable; Final Publication
Texts available from: https://members.wto.org/crnattachments/2023/TBT/ZAF/23_13158_00_e.pdf

United States of America Notification USA/1871/add.3
Title: Portable Fuel Container Safety Act Regulation
Notification date: 01 November 2023
Agency responsible: Consumer Product Safety Commission ("CPSC")
Reason(s) for addendum:
Comment period changed - date: 30 November 2023; **Notified measure published date:** 31 October 2023; **Notified measure entry into force date:** 09 December 2023; unless CPSC receives a significant adverse comment by 30 November 2023. If CPSC receives such a comment, it will publish in the Federal Register a notice withdrawing this direct final rule before its effective date.
Text of final measure available from: 88 Federal Register (FR) 74342, 16 Code of Federal Regulations (CFR) Part 1461:
https://www.govinfo.gov/content/pkg/FR-2023-10-31/html/2023-23655.htm
https://www.ecfr.gov/current/title-16/chapter-II/subchapter-B
Description: Direct final rule - The Portable Fuel Container Safety Act of 2020 (PFCSA) provides that the Consumer Product Safety Commission (Commission) must promulgate a rule to require flame mitigation devices in portable fuel containers that impede the propagation of flame into the container, unless the Commission determines that there is a voluntary standard for flame mitigation devices that achieves the same result. In January 2023, the Commission published in the Federal Register (and notified in G/TBT/N/USA/1871/Add.1) a notice of its determinations under the PFCSA that three such voluntary standards collectively apply to all known classes of portable fuel containers. Pursuant to the PFCSA, therefore, the requirements of the three voluntary standards are treated as a consumer product safety rule under the Consumer Product Safety Act (CPSA). ASTM then notified the Commission that one standard had been revised. The Commission evaluated the revised standard and found that the revisions carry out the purposes of the PFCSA. Accordingly the revisions will be incorporated into the mandatory standard for portable fuel containers. This direct final rule creates a new part codifying the incorporation by reference of this revised standard and the other two voluntary standards that are mandatory under the PFCSA. The rule is effective on 9 December 2023, unless CPSC receives a significant adverse comment by 30 November 2023. If CPSC receives such a comment, it will publish in the Federal Register a notice withdrawing this direct final rule before its effective date (which would also be notified to the WTO). This direct final rule and previous actions notified under the symbol G/TBT/N/USA/1871 are identified by Docket Number CPSC-2022-0017. The Docket Folder is available from Regulations.gov at https://www.regulations.gov/docket/CPSC-2022-0017/document and provides access to primary and supporting 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 on or before 4pm Eastern Time on 30 November 2023. Comments received by the USA TBT Enquiry Point from WTO Members and their stakeholders will be shared with CPSC and will also be submitted to the Docket on Regulations.gov if received within the comment period.

United States of America Notification USA/1289/add.2
Title: Safety Standard Addressing Blade-Contact Injuries on Table Saws
Notification date: 02 November 2023
Agency responsible: Consumer Product Safety Commission ("CPSC")
Reason(s) for addendum:
Content or scope of notified measure changed, and text available from:
88 Federal Register (FR) 74909, 16 Code of Federal Regulations (CFR) Part 1264:
https://www.govinfo.gov/content/pkg/FR-2023-11-01/html/2023-23898.htm
https://www.govinfo.gov/content/pkg/FR-2023-11-01/pdf/2023-23898.pdf

New deadline for comments (if applicable): 2 January 2024
Description: Supplemental notice of proposed rulemaking; notice of opportunity for oral presentation of comments - The U.S. Consumer Product Safety Commission (Commission or CPSC) has determined preliminarily that there may be an unreasonable risk of blade-contact injuries associated with table saws. To address this hazard, the Commission proposes a rule under the Consumer Product Safety Act (CPSA) that would establish a performance standard that requires table saws to limit the depth of cut to no more than 3.5 millimeters when a test probe, acting as surrogate for a human finger or other body part, approaches the spinning blade at a rate of 1 meter per second (m/s). The Commission is providing an opportunity for interested parties to present comments on this supplemental notice of proposed rulemaking (SNPR).
This action and previous actions notified under the symbol G/TBT/N/USA/1289 are identified by Docket Number CPSC-2011-0074. The Docket Folder is available on Regulations.gov at https://www.regulations.gov/docket/CPSC-2011-0074/document and provides access to primaryand supporting documents as well as comments received. Documents are also accessible from Regulations.gov by searching the Docket Number.
Deadline for Written Comments: Written comments must be received by 2 January 2024. WTO Members and their stakeholders are asked to submit comments to the USA TBT Enquiry Point. Comments received by the USA TBT Enquiry Point from WTO Members and their stakeholders by 4pm Eastern Time on 2 January 2024 will be shared with the regulator and will also be submitted to the Docket on Regulations.gov if received within the comment period.
Deadline for Request to Present Oral Comments: Any person interested in making an oral presentation must send an email indicating this intent to the Office of the Secretary at cpsc-os@cpsc.gov by 1 December 2023 (Eastern Time). WTO Members are also asked to copy the USA WTO TBT Enquiry Point on any such request: usatbtep@nist.gov.

Kingdom of Saudi Arabia Notification SAU/1314
Title: Categorization and classification of civil unmanned aircraft systems; (10 page(s), in English)
Notification date: 06 November 2023
Agency responsible: Saudi Standards, Metrology and Quality Organization (SASO)
P.O. BOX: 3437 Riyadh 11471 Tel: +966(1)2529095 Fax +966(1)4520086
Email: enquirypoint@saso.gov.sa
Website: www.saso.gov.sa
Products covered: Aircraft and space vehicles in general (ICS code(s): 49.020)
Description of content: This SASO ISO 21895:2023 standard is a modified adoption of International Standard IEC 21895:2020, (Categorization and classification of civil unmanned aircraft systems). Standard has been varied as indicated to take account of Kingdom of Saudi Arabia conditions. The modifications are specified in Annex A.
Objective and rationale: Protection of human health or safety
Relevant documents: SASO/DS/ISO 21895:2023
Proposed date of adoption: To be determined
Proposed date of entry into force: 180 days from the date of publication in the official gazette
Final date for comments: 60 days from notification
Texts available from: Saudi Standards Metrology and Quality Organization
P.O. BOX: 3437 Riyadh 11471 Tel: +966(1)2529095 Fax +966(1)4520086 Email: enquirypoint@saso.gov.sa
Website: www.saso.gov.sa
https://members.wto.org/crnattachments/2023/TBT/SAU/23_13335_00_e.pdf
https://members.wto.org/crnattachments/2023/TBT/SAU/23_13335_00_e.pdf

Canada Notification CAN/696/Add.2
Title: Publication of RSS-252, Issue 2 — Intelligent Transportation Systems' (ITS) On-Board Units (OBUs) in the 5895 – 5925 MHz Band
Notification date: 07 November 2023
Reason(s) for Addendum:
Notified measure adopted - date: 19 October 2023; **Notified measure published - date:** 19 October 2023; **Notified measure enters into force - date:** 19 October 2023
Text of final measure available from:

https://ised-isde.canada.ca/site/spectrum-management-telecommunications/en/devices-and-equipment/radio-equipment-standards/radio-standards-specifications-rss/rss-252-intelligent-transportation-systems-dedicated-short-range-communications-dsrc-board-unit-obu (anglais)

https://ised-isde.canada.ca/site/gestion-spectre-telecommunications/fr/dispositifs-materiel/normes-applicables-materiel-radio/cahiers-charges-normes-radioelectriques-cnr/cnr-252-systemes-transport-intelligents-communication-dediee-courte-distance-cdcd-unite-embarquee-ue (français)

https://gazette.gc.ca/rp-pr/p1/2023/2023-11-04/html/notice-avis-eng.html#ne3 (anglais)
https://www.gazette.gc.ca/rp-pr/p1/2023/2023-11-04/html/notice-avis-fra.html#ne3 (français)

Description: Notice is hereby given that Innovation, Science and Economic Development Canada (ISED) has published the following document: Radio Standards Specification RSS-252, issue 2, sets out the certification requirements for licence-exempt radio apparatus operating in the 5895 MHz – 5925 MHz band.

European Union Notification EU/1030

Title: Draft Commission Delegated Regulation amending Regulation (EU) 2015/758 of the European Parliament and of the Council as regards the standards relating to eCall; (5 page(s), in English)
Notification date: 08 November 2023
Agency responsible: European Commission
EU-TBT Enquiry Point,
Fax: +(32) 2 299 80 43,
E-mail: grow-eu-tbt@ec.europa.eu
Website: http://ec.europa.eu/growth/tools-databases/tbt/en/
Products covered: Passenger cars and vans (M1 and N1 category vehicles), and systems, components and separate technical units for such vehicles.
Description of content: The eCall system automatically dials the European emergency number 112 in the event of a serious road accident, thus reducing the response time and saving lives. Currently, the 112-based eCall systems work over circuit-switched mobile networks (2G/3G). Given the plans announced by mobile network operators in the EU gradually to phase out circuit-switched networks by 2030, there is an urgent need to provide for the application of the packet-switched eCall standards (4G/5G) from 1 January 2026.
Objective and rationale: Based on the empowerment in Articles 5(9) and 6(12) of Regulation (EU) 2015/758 of the European Parliament and of the Council, the draft amends the reference to eCall standards listed in Article 5(8) of that Regulation. In addition, transitional provisions are included to ensure that new vehicles to be sold on the market after 1 January 2027, and equipped with 112-based eCall systems covered by existing type-approvals (granted as from 31 March 2018, the date of application of the eCall Regulation), will operate over the packet-switched networks (4G/5G); Harmonization; Reducing trade barriers and facilitating trade.
Relevant documents: Regulation (EU) 2015/758 of the European Parliament and of the Council of 29 April 2015 concerning type-approval requirements for the deployment of the eCall in-vehicle system based on the 112 service (https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=celex%3A32015R0758)
Proposed date of adoption: January 2024
Proposed date of entry into force: 20 days after the publication in the Official Journal (packet-switched eCall standards apply from 1 January 2026 for new types of vehicles/systems and from 1 January 2027 for existing types approved as from 31 March 2018)
Final date for comments: 60 days from notification
Texts available from: European Commission,
EU-TBT Enquiry Point,
Fax: + (32) 2 299 80 43,
E-mail: grow-eu-tbt@ec.europa.eu
The text is available on the EU-TBT Website : http://ec.europa.eu/growth/tools-databases/tbt/en/
https://members.wto.org/crnattachments/2023/TBT/EEC/23_13367_00_e.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 03 December 2023

BSR/UL 1682-202x, Standard for Safety for Plugs, Receptacles, and Cable Connectors of the Pin and Sleeve Type (revision of ANSI/UL 1682-2022)
This revision of ANSI/UL 1682 expands requirements for Weather-Resistant Receptacles. The full extent of changes may be viewed in the 03 November edition of Standards Action.
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

Due 11 December 2023

BSR/ASA S12.18-1994 (R202x), Procedures for Outdoor Measurement of Sound Pressure Level (reaffirmation of ANSI/ASA S12.18-1994 (R2019))
This standard describes procedures for the measurement of sound pressure levels in the outdoor environment, considering the effects of the ground, the effects of refraction due to wind and temperature gradients, and the effects due to turbulence. This standard is focused on measurement of sound pressure levels produced by specific sources outdoors. The measured sound pressure levels can be used to calculate sound pressure levels at other distances from the source or to extrapolate to other environmental conditions or to assess compliance with regulation. This standard describes two methods to measure sound pressure levels outdoors.
Single copy price: $126.00
Obtain an electronic copy from: standards@acousticalsociety.org
Send comments (copy psa@ansi.org) to: Nancy Blair-DeLeon <standards@acousticalsociety.org>

BSR/AWS B5.1-202x, Specification for the Qualification of Welding Inspectors (revision of ANSI/AWS B5.1-2013- AMD1)
This standard defines the qualification requirements to qualify welding inspectors. The qualification requirements for visual welding inspectors include experience and satisfactory completion of an examination, which includes demonstrated capabilities and proof of visual acuity. The examination tests the inspector's knowledge of welding processes, welding procedures, nondestructive examinations, destructive tests, terms, definitions, symbols, reports, welding metallurgy, related mathematics, safety, quality assurance, and responsibilities.
Single copy price: $28.00 (Members)/$36.50 (Non-members) Obtain an electronic copy from: bboddiger@aws.org
Send comments (copy psa@ansi.org) to: Brenda Boddiger <bboddiger@aws.org>

Due 18 December 2023

BSR S1.4/Part 3 (R202x), Electroacoustics - Sound Level Meters - Part 3: Periodic Tests (a nationally adopted international standard) (reaffirm a national adoption ANSI/ASA S1.4-2014/Part 3/IEC 61672-3-2013 (R2019))
ANSI/ASA S1.4-2014/Part 3 / IEC 61672-3:2013 describes procedures for periodic testing of timeweighting, integrating-averaging, and integrating sound level meters that were designed to conform to the class 1 or class 2 specifications of ANSI/ASA S1.4-2014/Part 1 / IEC 61672-1. The aim of the standard is to ensure that periodic testing is performed in a consistent manner by all laboratories. The purpose of periodic testing is to assure the user that the performance of a sound level meter conforms to the applicable specifications of ANSI/ASA S1.4-2014/Part 1 / IEC 61672-1 for a limited set of key tests and for the environmental conditions under which the tests were performed.
Single copy price: $291.00
Obtain an electronic copy from: standards@acousticalsociety.org
Send comments (copy psa@ansi.org) to: Same

BSR/ASA S1.4-2014/Part 1/IEC 61672-1-2013 (R202x), Electroacoustics - Sound Level Meters - Part 1: Specifications (a nationally adopted international standard) (reaffirm a national adoption ANSI/ASA S1.4-2014/Part 1/IEC 61672-1-2013 (R2019))
This part of ANSI/ASA S1.4 / IEC 61672 gives electroacoustical performance specifications for three kinds of sound-measuring instruments: a time-weighting sound level meter that measures exponential-time-weighted, frequency-weighted sound levels; an integrating-averaging sound level meter that measures time-averaged, frequency-weighted sound levels; and an integrating sound level meter that measures frequency-weighted sound exposure levels.
Single copy price: $269.00

Obtain an electronic copy from: standards@acousticalsociety.org
Send comments (copy psa@ansi.org) to: Same

BSR/ASA S1.4-2014/Part 2/IEC 61672-2-2013 (R202x), Electroacoustics - Sound Level Meters - Part 2: Pattern Evaluation Tests (a nationally adopted international standard) (reaffirm a national adoption ANSI/ASA S1.4 -2014/Part 2/IEC 61672-2-2013 (R2019))
This part of ANSI/ASA S1.4/IEC 61672 provides details of the tests necessary to verify conformance to all mandatory specifications given in IEC 61672-1 for time-weighting sound level meters, integrating-averaging sound level meters, and integrating sound level meters. Pattern evaluation tests apply for each channel of a multi-channel sound level meter, as necessary. Tests and test methods are applicable to class 1 and class 2 sound level meters. The aim is to ensure that all laboratories use consistent methods to perform pattern- evaluation tests.
Single copy price: $291.00
Obtain an electronic copy from: standards@acousticalsociety.org
Send comments (copy psa@ansi.org) to: Same

BSR/ASA S12.60-2019/Part 4 (R202x), Acoustical Performance Criteria, Design Requirements, and Guidelines for Schools, Part 4: Acoustic Standards for Physical Education Teaching Environments (reaffirmation of ANSI/ASA S12.60-2019/Part 4)
This document is applicable to gymnasia and other physical education learning spaces in permanent schools. This standard includes acoustical performance criteria and design requirements for gymnasia and other physical education learning spaces. Annex A provides procedures for optional testing to determine conformance with the source background noise requirements and the reverberation time requirements of this standard. Annex B provides commentary information on various paragraphs of this standard. Annex C provides guidelines for controlling reverberation in gymnasia and other physical education spaces. Annex D provides guidelines for controlling background noise in gymnasia and other physical education spaces.
Single copy price: $169.00
Obtain an electronic copy from: standards@acousticalsociety.org
Send comments (copy psa@ansi.org) to: Same

BSR/ASTM E1488-202x, Guide for Statistical Procedures to Use in Developing and Applying Test Methods (revision of ANSI/ASTM E1488-2012 (R2018))
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
Send comments (copy psa@ansi.org) to: Same

BSR/IES TM-41-202x, Technical Memorandum: Standard Format for the Electronic Data Transfer of Light Output Maintenance Characteristics of Solid-State Light Sources (new standard)
This document provides a standard format for the electronic transfer of LM-80 test data in XML format. All required LM-80 report data items are included, as well as optional data items such as the spectral power distribution (SPD). The ordering of data elements does not follow the LM-80 report format; rather, the ordering is more data-centric, with administrative elements first, followed by device-under-test (DUT) items, test conditions, and then results. Where important, the precision required for a particular data element is specified; this helps to reduce uncertainty when the data is used for calculations. The format is described first in human-readable text, and then computer-readable XML and JSON schemas are provided.
Single copy price: $25.00
Obtain an electronic copy from: pmcgillicuddy@ies.org
Send comments (copy psa@ansi.org) to: Patricia McGillicuddy <pmcgillicuddy@ies.org>

BSR/IES LS-2-2020 (R202x), Lighting Science: Concepts and Language of Lighting (reaffirmation of ANSI/IES LS-2-2020)
Lighting's language fulfills the need to describe, specify, and evaluate luminous environments. Like any language, it is based on concepts and vocabulary. The concepts result from a consideration of the nature of light, vision, and architecture. The vocabulary results from the need for clarity, specificity, and precision. The structure of lighting's concepts is an inverted pyramid: a very few fundamental ideas are identified and described, and from these more-

complex concepts are constructed. Simpler concepts form the constituents of the more complex ones required to unambiguously specify luminous quantities or the photometric behavior of materials.
Single copy price: Free
Obtain an electronic copy from: pmcgillicuddy@ies.org
Send comments (copy psa@ansi.org) to: Patricia McGillicuddy <pmcgillicuddy@ies.org>

BSR/IES/NALMCO RP-36-202x, Recommended Practice: Lighting Maintenance (revision of ANSI/IES/NALMCO RP-36-2020)
This draft contains updated information about LED exit signs. Lighting designers and specifiers can use this Recommended Practice to design lighting systems that will be easy to maintain and will optimize energy efficiency and maintenance based on good maintenance practices and careful product selection. They will also be able to recommend good maintenance practices. Facility owners and managers can use it to develop a maintenance plan and properly maintain their lighting systems to ensure that their investment in light performs in accordance with requirements far into the future. Other electrical and lighting professionals can use the Recommend Practice in the roles they play in recommending, specifying, installing, commissioning, and maintaining lighting systems.
Single copy price: $25.00
Obtain an electronic copy from: pmcgillicuddy@ies.org
Send comments (copy psa@ansi.org) to: Patricia McGillicuddy <pmcgillicuddy@ies.org>

BSR MH28.1-202X, Design, Testing, and Utilization of Industrial Steel Bin Shelving (new standard)
This standard applies to industrial steel bin shelving; bin shelving placed on mobile carriages; multi-level bin shelving systems such as pick modules, catwalks, and deck□overs; and for bin shelving used in conjunction with an automated storage and retrieval system (AS/RS). The structural framing components for these systems are made of cold-formed or hot-rolled steel structural members. This standard does not apply to the following: industrial steel pallet racks (addressed by ANSI MH16.1), industrial cantilever racks (addressed by ANSI MH16.3), or bin shelving structures not fabricated from steel. Bin shelving is typically a hand-loaded, prefabricated, free-standing, building-like non-building structure that utilizes a designed framing system, which is generally located within an industrial or warehouse environment. Personnel working within the confines of the bin shelving structure are presumed to be properly trained, physically able, and appropriately attired to work in the intended working environment.
Single copy price: Free
Obtain an electronic copy from: pdavison@mhi.org
Send comments (copy psa@ansi.org) to: Same

BSR MH28.4-202X, Design, Testing, and Utilization of Retail/Consumer Boltless Steel Shelving (new standard) This standard applies to retail/consumer steel boltless shelving. The framing components for these systems are made of steel members. This standard does not apply to the following: industrial steel pallet racks (addressed by ANSI MH16.1), industrial cantilever racks (addressed by ANSI MH16.3), industrial steel boltless shelving (addressed by ANSI MH28.2), products greater than 96 in. (2.4 m) in height, boltless shelving structures not fabricated from steel, industrial steel bin shelving (addressed by ANSI MH28.1), or shelving systems built with slotted metal angles. Retail/consumer shelving is a hand- loaded, prefabricated, freestanding, building-like non-building structure that utilizes a designed framing system. It is primarily designed and intended for homes and small-scale businesses (as opposed to large- scale warehousing or business applications requiring industrial product storage in accordance with ANSI MH28.2) and generally located indoors within a home, shop or garage environment not designed to withstand wind or earthquake loading. This standard does not provide guidance for design requirements that need to be addressed for supported equipment that would subject a shelving system to significant dynamic loading or harmonic vibration that has the potential to cause damage or metal fatigue.
Single copy price: Free
Obtain an electronic copy from: pdavison@mhi.org
Send comments (copy psa@ansi.org) to: Same

BSR MH31.2-202X, Test Method for Crash Testing Industrial Guardrail Barriers and Barrier Posts (revision of ANSI MH31.2-2021)
This standard provides a test method of evaluating performance characteristics for industrial guardrail barriers and barrier posts. Industrial guardrail barriers and barrier posts are commonly utilized within industrial and warehouse environments to safeguard against unwanted interactions with, or provide added protection against

potential impacts from, passing industrial vehicle traffic. These devices are typically mounted directly to the ground-level concrete floor slab at a safe distance away from pedestrian aisleways, vital equipment, or critical infrastructure.
Single copy price: Free
Obtain an electronic copy from: pdavison@mhi.org
Send comments (copy psa@ansi.org) to: Same

BSR/NETA ECS-2024-202x, NETA Standard for Electrical Commissioning Specifications for Electrical Power Equipment and Systems (revision of ANSI/NETA ECS-2020)
Scope Summary: These specifications describe the systematic process of documenting, and placing into service newly-installed, or retrofitted electrical power equipment and systems. This document shall be used in conjunction with the most recent edition of the ANSI/NETA ATS Standard for Acceptance Testing Specifications for Electrical Power Equipment and Systems. The individual electrical components shall be subjected to factory and field tests, as required, to validate the individual components.
Single copy price: $495.00
Obtain an electronic copy from: ldanzy@netaworld.org
Send comments (copy psa@ansi.org) to: Same

BSR/TIA 455-37-B-202x, Low or High Temperature Bend Test for Fiber Optic Cable (new standard)
Update the test standard, i.e. updating of obsolete references, improvement of some descriptions, restructuring of some (sub)clauses, updating of the comparison with the IEC bend test method, etc.
Single copy price: $99.00
Obtain an electronic copy from: standards-process@tiaonline.org
Send comments (copy psa@ansi.org) to: Same

BSR/UL 60034-1-202x, Standard for Safety for Rotating Electrical Machines - Part 1: Rating and Performance (identical national adoption of IEC 60034-1 and revision of ANSI/UL 60034-1-2018 (R2023))
UL proposes a new edition of UL 60034-1 which is an identical adoption of IEC 60034-1, 14th Edition, which covers rating and performance criteria applicable to all rotating electrical machines.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

BSR/UL 60034-5-202x, Standard for Safety for Rotating Electrical Machines - Part 5: Degrees of Protection Provided by the Integral Design of Rotating Electrical Machines (IP Code) - Classification (identical national adoption of IEC 60034-5 and revision of ANSI/UL 60034-5-2019)
UL proposes a new edition of UL 60034-5 which is an identical adoption of IEC 60034-5, 5th Edition, which covers the classification of degrees of protection provided by enclosures for rotating electrical machines.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

BSR/UL 1971-2018 (R202x), Standard for Signaling Devices for the Hearing Impaired (reaffirmation of ANSI/UL 1971-2018)
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable

BSR/UL 153-202x, Standard for Safety for Portable Electric Luminaires (revision of ANSI/UL 153-2023)
This proposal for UL 153 covers: (1) Clarification on Power Supply for Portable Luminaires with USB/POE Connections; (2) Removal of maximum number of convenience receptacle used in portable luminaires; (3) Portable Luminaires use with LED Light source only; (4) Clarification of Power Supply Cord Size, Maximum Receptacle Load and Marking for Portable Work Lights and Portable Hand Lights; (5) Editorial Revisions.
Single copy price: Free

Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

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BSI public review announcements

The following draft British Standards documents have been announced for public review by BSI and may be of material interest to *Standards Watch* readers. The list includes National British Standards in development and National Adoptions of existing standards. Submit comments online, before the comment deadline, using BSI's Standards Development Portal. Registration is free of charge at https://standardsdevelopment.bsigroup.com/.

Due 12 December 2023

23/30478960 DC
BS 7909:2023+A1:2024 Temporary electrical systems for entertainment and related purposes. Code of practice.
B/511.

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/AGMA 2101-EXX-202x, Fundamental Rating Factors and Calculation Methods for Involute Spur and Helical Gear Teeth (revision of ANSI/AGMA 2101-D04 (R2016))
This standard specifies a method for rating the macropitting resistance and bending strength of spur and helical involute gear pairs. A detailed discussion of factors influencing gear survival and calculation methods are provided.
Contact: Phillip Olson <olson@agma.org>

BSR S1.18-202x, Method for Determining the Acoustic Impedance of Ground Surfaces (revision of ANSI/ASA S1.18-2018 (R2023))
This Standard describes procedures for obtaining the real and imaginary parts of the normalized acoustic impedance ratio of ground surfaces from in-situ measurements of the sound pressure levels at two vertically separated microphones using specified geometries and the averaged values of the difference between the simultaneous, instantaneous sound-pressure signals at the two microphones. The revision will take advantage of the availability of improved instrumentation to enable the user to obtain values of the normalized specific acoustic impedance ratio of the ground entirely from measurements and independently of any model for the acoustic impedance of the ground surface except as a check on the validity of the resulting values.
Contact: Raegan Ripley <standards@acousticalsociety.org>

BSR S1.46-202x, Recommendations for the design of in-ear noise dose monitoring hearing protection devices (new standard)
Personal noise exposure measurements are crucial for assessing the noise levels workers are subjected to, ensuring adherence to legal exposure limits. This is, in the best cases, achieved through personal body-worn noise dosimeters (PNDs), offering continuous monitoring at the worker's location. PNDs are especially valuable for mobile workers and unpredictable noise environments. However, they have limitations: (i) misplacement errors in directional sound fields, (ii) susceptibility to wearer-generated noise, and (iii) compromised accuracy when hearing protection devices (HPDs) are worn due to varying sound attenuation offered. Additionally, standard PNDs provide information about ambient cumulative sound pressure levels (SPLs), while hearing damage risks are likely linked to SPLs at the eardrum. Even without HPDs, a given ambient (or < fee field >) SPL can lead to diverse in-ear SPLs based on sound direction and individual anatomy, resulting in significant noise exposure variations.
Contact: Raegan Ripley <standards@acousticalsociety.org>

BSR S12.14-202x, Methods for the Field Measurement of the Sound Output of Audible Public Warning Devices Installed at Fixed Locations Outdoors (revision of ANSI/ASA S12.14-1992 (R2020))
The standard describes simple procedures for measuring and reporting certain properties of audible warning devices to obtain repeatable field determinations of sound.
Contact: Raegan Ripley <standards@acousticalsociety.org>

BSR S12.61-202x, Declaration and Verification of Noise Emission Values of Machinery, Equipment, and Products (revision of ANSI/ASA S12.61-2020)
Chair's note: The abstract will be substantially the same as the current abstract, but there may be slight changes once WG38 has deliberated and agreed on the revisions. Information on the acoustical noise emitted by machinery, equipment, and products is needed by consumers, manufacturers, building and land-use planners, governmental authorities, and others concerned about noise in order to make informed purchasing decisions. To meet this need, this Standard gives requirements and guidelines for how to properly and uniformly provide product noise level information to the public. This standard specifies the noise emission values to be declared for a batch of machines, equipment, or products and the requirements for their presentation; the method for determining the mean A-weighted sound power level; the method for optionally determining the total standard deviation; the method for optionally determining the mean A-weighted emission sound pressure level; and the method for verifying the noise emission values that are declared by manufacturers and other product suppliers. This standard is applicable to commercially available products that emit noise, including consumer products and household appliances, information technology products, industrial equipment, outdoor equipment and construction machinery, and other products.
Contact: Raegan Ripley <standards@acousticalsociety.org>

BSR S12.1-202x, Guidelines for the Preparation of Standard Procedures to Determine the Noise Emission from Sources (revision of ANSI ASA S12.1 (R2023))
S12.1 is unique among acoustic measurement standards in that it gives guidance on choosing the applicable standard with a view toward making the resulting measurements relevant to human perception and impact. It deserves to be updated to reference suitable standards that might not be known to people developing new sources of noise.
Contact: Raegan Ripley <standards@acousticalsociety.org>

BSR/IES LS-X-202x, Lighting Science: Vision, Perception + Acuity (revision, redesignation and consolidation of ANSI/IES LS-7-2020 and ANSI/IES LS-8-2020)
The purpose of this Lighting Science (LS) document is to describe and explain the human visual system, including its components in the eye and the brain, as well as provide an overview of visual perceptions and performance, covering topics such as brightness, glare, flicker, and visibility. The structure and function of the various components of the human visual system are explained, as well as the ways in which individual people differ in their visual abilities. It is important to note that this document is not intended to provide comprehensive coverage on the subjects contained herein. This document introduces scientific literature and past research results but does not serve as a complete literature review on any specific topic. Basic descriptions and background of visual phenomena are provided to guide lighting practitioners. For some topics, established formulas and processes are reviewed, but specific criteria or other recommendations are not provided. Finally, two annexes are included. Annex A provides a review of psychophysics, which is the primary method of study of human perception and performance, in order to help readers understand the strength and limitations of the provided material. Annex B discusses the known effects of visual factors on driving.
Contact: Patricia McGillicuddy <pmcgillicuddy@ies.org>

BSR/IES LP-1-202x, Lighting Practice: Design and Process Quality Lighting for People and Buildings (revision, redesignation and consolidation of ANSI/IES LP-1-2020 and ANSI/IES LP-7-2020)
BSR/IES LP-1-xx, Lighting Practice: Design and Process: Quality Lighting for People and Buildings, is to introduce architects, lighting designers, design engineers, interior designers and other lighting professionals to the principles of quality lighting design. These principles, related to visual performance, energy and economics, and aesthetics, can be applied to a wide range of interior and exterior spaces to aid designers in providing high-quality lighting to their projects. This document also covers the essential process that a lighting practitioner follows in concert with members of the building team to document a design for construction.

Contact: Patricia McGillicuddy <pmcgillicuddy@ies.org>

BSR/IES LM-73S-202x, IES Approved Method for Distribution Photometry of Entertainment Lighting Luminaires Using Solid State Light Sources (new standard)
The scope of this test method includes the measurement methods for entertainment lighting luminaires in order to provide the required angular photometric data covered in applicable ANSI/ESTA publications. It describes characteristics of luminaires and some components, as well as the requirements for the thermal environment and proper control of the electrical and mechanical systems required for achieving accurate and consistent photometric results. This approved method covers LED luminaires, OLED luminaires, luminaires utilizing LED lamps, luminaires utilizing OLED lamps, and luminaires utilizing LED light engines, all of which will be referred to as SSL products or device under test (DUT). SSL products are intended to directly connect to AC mains power or to a DC voltage power supply to operate.
Contact: Patricia McGillicuddy <pmcgillicuddy@ies.org>

BSR/IES LM-63-2020 (R202x), Technical Memorandum: Ray File Format for the Description of the Emission Properties of Light Sources (reaffirmation of ANSI/IES LM-63-2020)
Photometric data file formats specifically for data transfer, data storage and retrieval, and other data usage purposes.
Contact: Patricia McGillicuddy <pmcgillicuddy@ies.org>

BSR/IES RP-43-202x, Recommended Practice: Outdoor Lighting Design for People and the Environment (revision, redesignation and consolidation of ANSI/IES RP-43-2022, ANSI/IES LP-2-2020 and ANSI/IES LP-11-2020)
To provide pedestrian-oriented lighting recommendations for the reassurance, safety, comfort, amenity, and enjoyment of pedestrians in outdoor environments. These recommendations provide a general basis for lighting and space design, including the flexibility for application of multiple methods. In addition, the new document will outline the environmental considerations of exterior lighting, especially as related to glare, sky glow, light trespass and the impact of electric light at night on flora and fauna. The new document will contain revised Lighting Zone definitions in a Normative (required) Annex.
Contact: Patricia McGillicuddy <pmcgillicuddy@ies.org>

BSR/IES TM-25-2020 (R202x), Technical Memorandum: Ray File Format for the Description of the Emission Properties of Light Sources (reaffirmation of ANSI/IES TM-25-2020)
Standard ray file format to describe the emission properties of light sources. The ray file format contains information necessary to interface between ray tracing or other optical design, simulation, analysis and metrology software used in lighting applications.
Contact: Patricia McGillicuddy <pmcgillicuddy@ies.org>

BSR/IES TM-27-2020 (R202x), Technical Memorandum: IES Standard Format for the Electronic Transfer of Spectral Data (reaffirmation of ANSI/IES TM-27-2020)
Transfer of spectral data of optical radiation including light sources, lamps, and luminaires, as well as reflectance and transmittance spectra of materials.
Contact: Patricia McGillicuddy <pmcgillicuddy@ies.org>

Calls for members (ANS Consensus Bodies)

Directly and materially interested parties who wish to participate as a member of an ANS consensus body for the standards listed are requested to contact the sponsoring developer directly in a timely manner.

ASA (ASC S12) (Acoustical Society of America)
1305 Walt Whitman Road, Suite 300,
Melville, NY 11747
standards@acousticalsociety.org
www.acousticalsociety.org

BSR S1.18-202x, Method for Determining the Acoustic Impedance of Ground Surfaces (revision of ANSI/ASA S1.18 -2018 (R2023))

BSR S12.14-202x, Methods for the Field Measurement of the Sound Output of Audible Public Warning Devices Installed at Fixed Locations Outdoors (revision of ANSI/ASA S12.14-1992 (R2020))

BSR/ASA S12.18-1994 (R202x), Procedures for Outdoor Measurement of Sound Pressure Level (reaffirmation of ANSI/ASA S12.18-1994 (R2019))

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/ASME A18.1-2023, Safety Standard for Platform Lifts and Stairway Chairlifts (revision of ANSI/ASME A18.1-2020), 10/18/2023

ANSI/ASME B30.30-2023, Ropes (revision of ANSI/ASME B30.30-2019), Final Action Date: 10/18/2023

INCITS/ISO/IEC 11179-1:2023 [2023], Information technology - Metadata registries (MDR) - Part 1: Framework (identical national adoption of ISO/IEC 11179-1:2023 and revision of INCITS/ISO/IEC 11179-1:2015 [2020]), 10/24/2023

INCITS/ISO/IEC 11179-3:2023 [2023], Information technology - Metadata registries (MDR) - Part 3: Metamodel for registry common facilities (identical national adoption of ISO/IEC 11179-3:2023 and revision of INCITS/ISO/IEC 11179-3:2013 [R2019]), 10/24/2023

INCITS/ISO/IEC 11179-6:2023 [2023], Information technology - Metadata registries (MDR) - Part 6: Registration (identical national adoption of ISO/IEC 11179-6:2023 and revision of INCITS/ISO/IEC 11179-6:2015 [2020]), 10/24/2023

INCITS/ISO/IEC 14776-253:2023 [2023], Information technology - USB Attached SCSI - 3 (UAS-3) (identical national adoption of ISO/IEC 14776-253:2023), 10/24/2023

ANSI/UL 60745-2-6-2009 (R2023), Hand-Held Motor-Operated Electric Tools - Safety - Part 2-6: Particular Requirements for Hammers (reaffirmation of ANSI/UL 60745-2-6-2009 (R2018)), 10/25/2023

ANSI/UL 1323-2023a, Standard for Scaffold Hoists (revision of ANSI/UL 1323-2023), 10/26/2023

Notices of Administrative Withdrawal: ANS at least 10 years past approval date

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

ANSI/NECA 100-2006 (R2013), Symbols for Electrical Construction Drawings (reaffirmation of ANSI/NECA 100-2006)
Send comments (copy psa@ansi.org) to: Michael Johnston <mj@necanet.org>

Draft IEC & ISO documents

This section lists documents reported in ANSI's *Standards Action* 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 ANSI's ISO Team (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). ISO and IEC Drafts can be made available by contacting ANSI's Customer Service department, sales@ansi.org.

100/4053A/CD, IEC 61937-16 ED1: Digital Audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 16: Non-linear PCM bitstreams according to the AVSA format, 12/29/2023

110/1575/CD, IEC 62906-6-1 ED1: LASER DISPLAYS - Part 6-1: Visualization method of colour gamut intersection, 12/15/2023

110/1576/CD, IEC 62908-42-10 ED1: Touch and interactive displays - Part 42-10: Measurement methods of motion- tracking image-control response time for interactive projection display, 12/15/2023

110/1578/CD, IEC 63211-3-2 ED1: Durability test methods for electronic displays - Part 3-2: Mechanical tests - Static stress, 12/15/2023

110/1573/CD, IEC TR 62595-1-6 ED1: Display light unit- Part 1-6: Quantum dot films and quantum dot diffuser plates used in backlight unit, 12/15/2023

35/1533/CD, IEC 60086-1 ED14: Primary batteries - Part 1: General, 01/12/2024

35/1531/CD, IEC 60086-2-1 ED1: Primary batteries - Part 2-1: Physical and electrical specifications of batteries with aqueous electrolyte, 01/12/2024

35/1532/CD, IEC 60086-2-2 ED1: Primary batteries - Part 2-2: Physical and electrical specifications of lithium batteries, 01/12/2024

116/691(F)/FDIS, IEC 62841-2-6/AMD1 ED1: Amendment 1 -Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-6: Particular requirements for hand-held hammers, 11/10/2023

116/686/CDV, IEC 63241-2-3 ED1: Electric motor-operated tools - Dust measurement procedure - Part 2-3: Particular requirements for hand-held concrete grinders and disc-type sanders, 01/12/2024

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/IEC 14496-15:2022/Amd 1:2023, - Amendment 1: Information technology - Coding of audio-visual objects – Part 15: Carriage of network abstraction layer (NAL) unit structured video in the ISO base media file format - Amendment 1: Support for LCEVC, $22.00

ISO/IEC/IEEE 15026-3:2023, Systems and software engineering - Systems and software assurance - Part 3: System integrity levels, $157.00

ISO/TR 7250-4:2023, Basic human body measurements for technological design - Part 4: Expected performance of skilled anthropometrists, $116.00

ISO/TS 31050:2023, Risk management - Guidelines for managing an emerging risk to enhance resilience, $183.00

IEC/TS 61496-5 Ed. 1.0 en Cor.1:2023, Corrigendum 1 - Safety of machinery - Electro-sensitive protective equipment - Part 5: Particular requirements for radar-based protective devices, $0.00

IEC 60127-1 Ed. 3.0 b:2023, Miniature fuses - Part 1: Definitions for miniature fuses and general requirements for miniature fuse-links, $278.00

IEC 60127-6 Ed. 3.0 b:2023, Miniature fuses - Part 6: Fuseholders for miniature fuse-links, $367.00

S+ IEC 60127-1 Ed. 3.0 en:2023 (Redline version), Miniature fuses - Part 1: Definitions for miniature fuses and general requirements for miniature fuse-links, $362.00

S+ IEC 60127-6 Ed. 3.0 en:2023 (Redline version), Miniature fuses - Part 6: Fuse-holders for miniature fuse-links, $477.00

ESTA Standards Watch

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

Editors

Richard Nix, 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

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

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. Find back issues at http://estalink.us/nn7a1.

TSP meetings

The next set of TSP working group meetings will be at the Wyndham Anaheim, scheduled to coincide with The NAMM Show 2024, to be held January 25–28, 2024 at the Anaheim Convention Center. The meeting schedule, shown below, is now posted at https://esta.org/ESTA/meetings.php. Note that all meeting times are shown in Pacific Standard Time zone (GMT + 8:00).

Wednesday, 24 January
16:00 – 20:00: Photometrics Working Group
16:00 – 20:00: ESTA Board Meeting

Thursday, 25 January
10:00 – 13:00: Control Protocols Working Group
14:00 – 16:00: Stage Machinery Working Group
17:00 – 19:00: Floors Working Group

18:00 – 20:00: Behind the Scenes Happy Hour (Marriott Anaheim)

Friday, 26 January
10:00 – 12:00: Fog & Smoke Working Group
19:00 – 22:00: Electrical Power Working Group

Saturday, 27 January
10:00 – 13:00: Weapons Safety Working Group
14:00 – 17:00: Event Safety Working Group
18:00 – 22:00: Rigging Working Group

Sunday, 28 January
09:00 – 13:00: Technical Standards Council

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
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Cisco
Columbus McKinnon Entertainment Technology
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VISIONARY ($5,000 & up; 20–100 employees/members)

Altman Lighting, Inc.
McLaren Engineering Group
Rose Brand
Stage Rigging
Theatre Projects
Theatre Safety Programs
TMB

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

About the Stage
B-Hive Industries, Inc.
Scott Blair
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Candela Controls, Inc.
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Down Stage Right Industries Ltd.
EGI Event Production Services
Entertainment Project Services
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Vertigo
WNP Services

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

Actors' Equity Association
Golden Sea Professional Lighting Provider
IATSE Local 728
IATSE Local 891
Lex
NAMM
Texas Scenic Company

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

American Society of Theatre Consultants
Area Four Industries
BMI Supply
City Theatrical Inc.
H&H Specialties, Inc.
InterAmerica Stage, Inc.
Lycian Stage Lighting
Niscon Inc.
Tomcat Staging, Lighting and Support Systems

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

Baxter Controls, Inc.
ChamSix
Concept Smoke Systems Ltd.
Bruce William Darden
Ian Foulds
Liberal Logic, Inc.
Luminator Technology Group
Ondelight
Jessica Sanders
Sehr Gute GmbH
David Thomas
Techni-Lux
Tracy Underhill
Ralph Weber

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

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

SUPPORTER ($50 - $199; <20 employees/members)
Chip Scott Lighting Design
DMX Pro Sales
Matthew Douglas III
Beverly and Tom Inglesby
Inventions Guité
KASUGA
Bill McCord
Motion FX
Northern Lights Electronic Design
PragmaLab
Shanxi Tian Gong Sheng Optoelectronic Equipment Technology Co.
Sigma Net
John Tringas
Stephen Vanciel
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