# **Technical Standards Program** ESTA Standards Watch

Late November 2023 Volume 27, Number 22

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# ESTA standards in public review

A new collection of ten ESTA draft standards is available for public review at <u>http://estalink.us/pr</u>. 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.

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 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.

### 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. The deadline for submissions is Friday, December 15, 2023.

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 <u>esta.org/rfp</u>.

NATEAC will host 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 <u>esta.org/nateac</u> and sign up to the mailing list. Sponsorship opportunities will be forthcoming.

# 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/2066

Notification date: 20 November 2023

Agency responsible: Environmental Protection Agency, Air Resources Board, State of California (CARB) USA WTO TBT enquiry point: <u>usatbtep@nist.gov</u>

Products covered: Forklift emissions; Environmental protection; Air quality

Title: Zero-Emission Forklift Regulation (28 pages in English)

**Description of content:** The Proposed Regulation would reduce criteria-pollutant and greenhouse gas (GHG) emissions within California by accelerating the transition of Large Spark-Ignition (LSI) engine powered forklifts to zero-emission technology (i.e., battery-electric, fuel cell-electric, or other zero-emission technology as the only source of power for propulsion and work). Certain types of forklifts, such as rough-terrain forklifts and diesel forklifts, would not be addressed by the Proposed Regulation.

The California Air Resources Board (CARB or Board) will conduct a public hearing on 27 June 2024 at 9am Pacific Time to consider the proposed Zero-Emission Forklift Regulation (Proposed Regulation).

**Objective and rationale:** Protection of the environment

Relevant documents: Proposed Zero-Emission Forklift Regulation

https://ww2.arb.ca.gov/rulemaking/2023/zeforkliftsregulation

CARB website for Zero-Emission Forklifts: <u>https://ww2.arb.ca.gov/our-work/programs/zero-emission-forklifts</u> Notice of public hearing: <u>https://ww2.arb.ca.gov/sites/default/files/barcu/regact/2024/zeforklifts/notice.pdf</u> **Proposed date of adoption:** To be determined

Proposed date of entry into force: To be determined

Final date for comments: 26 December 2023

Text available from: <u>https://members.wto.org/crnattachments/2023/TBT/USA/23\_13492\_00\_e.pdf</u>

#### United States of America Notification USA/2067

Notification date: 20 November 2023

**Agency responsible:** Environmental Protection Agency, Department of Toxic Substances Control (DTSC), State of California (CalEPA)

USA WTO TBT enquiry point: <u>usatbtep@nist.gov</u>

Products covered: Laundry detergents; Quality; Products of the chemical industry

Title: Laundry Detergents Containing Nonylphenol Ethoxylates (15 pages in English)

Description of content: Proposed rule - California's Safer Consumer Products (SCP) regulations were adopted in October 2013 to meet the statutory requirements outlined in HSC sections 25252 and 25253. The regulations outline a science-based process for evaluating Chemicals of Concern in consumer products and safer alternatives by: Establishing a list of Candidate Chemicals and specifying criteria by which these may be designated Chemicals of Concern; Establishing a process to identify and prioritize product and Candidate Chemical combinations that may be listed as Priority Products; Requiring manufacturers of a product listed as a Priority Product to notify DTSC within 60 days of the listing regulation's effective date; Reguiring manufacturers of a Priority Product to determine how best to reduce exposures to the Chemical(s) of Concern in the product; Allowing DTSC to identify and require implementation of Regulatory Responses following completion of an Alternatives Analysis, if needed; and Creating a process for persons to petition DTSC to add chemicals to the Candidate Chemicals list, add or remove Candidate Chemicals lists in their entirety, or to add or remove a product-chemical combination from the Priority Products List. DTSC proposes to amend section 69511 and add section 69511.8 to Article 11 of the SCP regulations. The proposed action will add laundry detergents containing nonylphenol ethoxylates (NPEs) as a Priority Product to the Priority Products List. This listing applies to any product that is placed into commerce in California that contains NPEs, and that may be marketed, sold, or offered for sale as a chemical substance to clean or remove soil or unwanted deposits from laundered clothes and textile products, such as sheets and tablecloths. This includes, but is not limited to, laundry detergents of any form, including granules, liquids, powders, tabs, crystals, or pods, that are used in washing machines, for hand washing, or as part of a laundry system. Detergents intended for use as a presoak or pre-spotter, or with fabric or color protection properties, are also included.

Objective and rationale: Protection of human health or safety; Protection of the environment

**Relevant documents:** Laundry Detergents Containing Nonylphenol Ethoxylates as a Priority Product: https://dtsc.ca.gov/npe-in-laundry-detergents/

Proposed date of adoption: To be determined Proposed date of entry into force: To be determined Final date for comments: 31 December 2023 Texts available from: https://members.wto.org/crnattachments/2023/TBT/USA/23 13493 00 e.pdf

#### United States of America Notification USA/1289/Add.2

Notification date: 2 November 2023

#### USA WTO TBT enquiry point: <u>usatbtep@nist.gov</u>

Title: Safety Standard Addressing Blade-Contact Injuries on Table Saws

**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

<u>https://www.regulations.gov/docket/CPSC-2011-0074/document</u> 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.

**Deadline for Written Comments:** Written comments must be received by 2 January 2024 **Text available from:** 88 Federal Register (FR) 74909, 16 Code of Federal Regulations (CFR) Part 1264: <u>https://www.govinfo.gov/content/pkg/FR-2023-11-01/pdf/2023-23898.pdf</u>

#### **European Union Notification EU/1031**

Notification date: 9 November 2023

Agency responsible: European Commission

#### EU-TBT enquiry point: grow-eu-tbt@ec.europa.eu

**Products covered:** Fluorinated greenhouse gases listed in Annexes I, II and III as well as products and equipment referred to in Article 19 and listed in Annex IV of the Commission Proposal

Title: Proposal for a Regulation of the European Parliament and of the Council on fluorinated greenhouse gases, amending Directive (EU) 2019/1937 and repealing Regulation (EU) No 517/2014 (COM(2022) 150 final) (75 & 27 pages in English)

**Description of content:** This Commission proposal, inter alia, imposes quantitative limits for the placing on the market of hydrofluorocarbons and also imposes conditions on the import, export, placing on the market, further supply and use of fluorinated greenhouse gases and specific products and equipment containing or relying on those gases.

**Objective and rationale:** Measures to reduce emissions from fluorinated greenhouse gases which contribute to global warming. These measures will assist in achieving the targets of the Paris Agreement (keep global average temperature to 1.5 degrees C) and implement EU's obligations under the Montreal Protocol (gradually phase down HFCs); Protection of the environment

**Relevant documents:** The Commission Proposal ensures the correct implementation of EU's obligations under the 1987 Montreal Protocol on Substances that Deplete the Ozone Layer

Directive (EU) 2019/1937 of the European Parliament and of the Council of 23 October 2019 on the protection of persons who report breaches of Union law, EUR-Lex - 32019L1937 - EN - EUR-Lex (europa.eu) **Proposed date of adoption:** February/March 2024

Proposed date of entry into force: February/March 2024

Final date for comments: 60 days from notification, 8 January 2024

Texts available from: http://ec.europa.eu/growth/tools-databases/tbt/en/

https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52022PC0150&qid=1699461462647

https://members.wto.org/crnattachments/2023/TBT/EEC/23\_13382\_00\_e.pdf

https://members.wto.org/crnattachments/2023/TBT/EEC/23\_13382\_01\_e.pdf

#### Canada Notification CAN/709

# Notification date: 20 November 2023

Agency responsible: Environment and Climate Change Canada

#### Canada's Notification Authority and Enquiry Point: <a href="mailto:enquirypoint@international.gc.ca">enquirypoint@international.gc.ca</a> Products covered:

- 1. Sealant products containing coal tars and their distillates, including pavement sealant products, roofing sealant products, and sealant products for industrial use on metal, structural steel or concrete components or on pipelines or other buried services;
- Sealant products containing polycyclic aromatic hydrocarbons (PAHs) whose total PAH concentration exceeds 1000 parts per million (ppm), including pavement sealant products and roofing sealant products;
- 3. Products for indoor use containing 2-butoxyethanol (2-BE) above a specified concentration limit, including automobile cleaner other than automobile degreaser or internal engine cleaner; rug or carpet cleaner; floor or baseboard stripper; paint stripper or thinner; laundry stain remover; any aerosol cleaner other than a pump-spray cleaner; any cleaner other than a non-aerosol cleaner; aerosol paint or coating other than a pump-spray paint or coating; and non-aerosol paint or coating.

**Title:** Proposed Products Containing Certain Toxic Substances Regulations (31 pages, available in English and French)

**Description of content:** The proposed Certain Products Containing Toxic Substances Regulations (the proposed Regulations) seek to reduce releases of toxic substances from products used in Canada to levels that are protective of the environment and human health. The proposed Regulations would prohibit the manufacture, import and sale of certain coal tar-based sealant products and certain sealants containing levels above 1000 ppm in 2025. The provisions also contain exemptions to the prohibitions and a transition period for certain sectors. The proposed Regulations would also include 2-BE, a toxic substance that is currently regulated under the 2-Butoxyethanol Regulations, which would be repealed and amalgamated under this initiative. The proposed Regulations are therefore designed as a single vehicle to manage the risks associated with multiple ecological and health toxic substances in products. The proposed Regulations also include general provisions for permits and record keeping.

Objective and rationale: Protection of the environment

#### **Relevant documents:**

2-Butoxyethanol Regulations, <u>https://laws-lois.justice.gc.ca/eng/regulations/SOR-2006-347/index.html</u> Canadian Environmental Protection Act, 1999, sub-section 93(1), <u>https://laws-lois.justice.gc.ca/eng/acts/C-15.31/</u>

Canada Gazette, Part I, 18 November 2023, Pages 3619-3649 (available in English and French) **Proposed date of adoption:** To be determined

**Proposed date of entry into force:** The proposed Regulations would come into force on the day on which they are registered.

Final date for comments: 27 January 2024

Texts available from: <u>https://www.gazette.gc.ca/rp-pr/p1/2023/2023-11-18/html/index-eng.html</u> (English) <u>https://www.gazette.gc.ca/rp-pr/p1/2023/2023-11-18/html/index-fra.html</u> (French)

#### 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 <u>psa@ansi.org</u>.

#### Due 25 December 2023

BSR/ASTM E1020-202x, Practice for Reporting Incidents that May Involve Criminal or Civil Litigation (new standard)

https://www.astm.org/get-involved/technical-committees/ansi-review Single copy price: Free Obtain an electronic copy from and offer comments to: <u>accreditation@astm.org</u>

# BSR/INFOCOMM 10-2013 (R202x), Audiovisual Systems Performance Verification (reaffirmation of ANSI/INFOCOMM 10-2013)

This standard provides a framework and supporting processes for determining elements of an audiovisual system that need to be verified; the timing of that verification within the project delivery cycle; a process for determining verification metrics, and reporting procedures. Consultants, integrators, manufacturers, technology support staff, owners, third-party commissioning agents, and architects who have verification processes in place can integrate those existing processes into the framework this standard provides, adding customized items to those already defined in the standard.

Single copy price: \$35.00

Obtain an electronic copy from and send comments to: Loanna Overcash, lovercash@avixa.org

**BSR/NFPA 660-202x, Standard for Combustible Dusts** (revision, redesignation and consolidation of ANSI/NFPA 61, ANSI/NFPA 484, ANSI/NFPA 652, ANSI/NFPA 654, ANSI/NFPA 655 and ANSI/NFPA 664) This standard addresses the fire, flash fire, and explosion hazards of combustible dusts and particulate solids. This standard also addresses all metals and alloys that are in a form that is capable of combustion or explosion, as well as other hazards, in accordance with the scope of Chapter 12. This standard also addresses the size reduction of sulfur and the handling of sulfur in any form, as well as other hazards entailed in processing sulfur, in accordance with the scope of Chapter 14. This standard also addresses industrial, commercial, or institutional facilities for . . . .

Access and offer comments at www.nfpa.org/660Next

#### Due 1 January 2024

#### BSR/ASIS CAN-202x, Cannabis Security (new standard)

This standard provides requirements and guidance for the design, implementation, monitoring, evaluation, and maintenance of a cannabis security program. It also provides guidance and minimum-security requirements on the identification, application, and management of physical protection systems (PPS) to safeguard an organization's assets (e.g., people, property, and information) for cannabis operations, as well as the storage and transport. In some cases, the requirements of this standard may exceed those required for compliance for the location (jurisdiction) of operation.

Single copy price: \$25.00

Obtain an electronic copy from: <u>https://www.asisonline.org/publications--resources/standards--guidelines/</u> Send comments to: Aivelis Opicka <<u>standards@asisonline.org</u>>

#### BSR/AWS C3.11M/C3.11-202x, Specification for Torch Soldering (new standard)

This specification describes relevant equipment, fabrication procedures, and quality (inspection) requirements for the torch soldering of materials. This document includes criteria for classifying torch-soldered joints based on loading and the consequences of failure and quality assurance criteria defining the limits of acceptability in each class.

Single copy price: \$28.00 (member) / \$38.00 (non-member)

Obtain an electronic copy from: Kevin Bulger <<u>kbulger@aws.org</u>> Send comments to: Kevin Bulger <<u>kbulger@aws.org</u>>

# BSR/NEMA 10250-202X, Enclosures for Electrical Equipment (1000 Volts Maximum) (revision and redesignation of ANSI/NEMA 250-2020)

This Standard covers enclosures for electrical equipment rated not more than 1000 Volts and intended to be installed and used as follows: (a) enclosures for indoor locations, Types 1, 2, 5, 12, 12K, and 13; (b) enclosures for indoor or outdoor locations, Types 3, 3X, 3R, 3RX, 3S, 3SX, 4, 4X, 6, and 6P; and (c) enclosures for hazardous (classified) locations Types 7 and 9. This revision includes various updates to NEMA 10250 (formerly NEMA 250) as it has been given a new naming designation. These revisions include a corrosion hose-down ancillary ratings.

Single copy price: \$199.00

Obtain an electronic copy from: <u>https://www.nema.org/standards/view/Enclosures-for-Electrical-Equipment</u> Send comments to: Casey Granata, <u>Casey.Granata@nema.org</u>

### **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

# BS 7909:2023+A1:2024 Temporary electrical systems for entertainment and related purposes. Code of practice

This British Standard gives recommendations for the management, design, setting up and operation of temporary electrical systems using low voltage electricity, for the entertainment and similar or related industries. Mobile and transportable units with electrical installations that are used in these industries are also covered.

This British Standard gives recommendations for the provision of a safe and suitable temporary electrical system for an event and the duties and work to implement this.

#### Due 15 January 2024

#### BS ISO 7567 Bamboo structures. Glued laminated bamboo. Product specifications

This International Standard specifies requirements for the components of glued laminated bamboo members intended for structural use. (Note: the minimum structural dimension of glued laminated members considered in this standard is 50 mm and the maximum is 600 mm) Although currently most glued laminated bamboo is made from Phyllostachys edulis (Moso bamboo species), this International Standard also applies to other bamboo species (e.g. Guadua angustifolia, Dendrocalamus asper) if the tests specified in relevant ISO Standard show that a satisfactory glue bond can be achieved.

#### CSA public review announcements

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

#### Due 24 December 2023

**CSA ISO 56002 - Innovation management — Innovation management system — Guidance** (new standard) This document provides guidance for the establishment, implementation, maintenance, and continual improvement of an innovation management system for use in all established organizations. It is applicable to:

- a) organizations seeking sustained success by developing and demonstrating their ability to effectively manage innovation activities to achieve the intended outcomes;
- b) users, customers, and other interested parties, seeking confidence in the innovation capabilities of an organization;
- c) organizations and interested parties seeking to improve communication through a common understanding of what constitutes an innovation management system;
- d) providers of training in, assessment of, or consultancy for, innovation management and innovation management systems;
- e) policy makers, aiming for higher effectiveness of support programs targeting the innovation capabilities and competitiveness of organizations and the development of society.

# CSA R56005, Innovation management — Tools and methods for intellectual property management — Guidance (new standard)

Efficient management of IP is key to support the process of innovation, is essential for organizations' growth and protection, and is their engine for competitiveness. This document proposes guidelines for supporting the role of IP within innovation management. It aims to address the following issues concerning IP management at strategic and operational levels:

- Creating an IP strategy to support innovation in an organization;
- Establishing systematic IP management within the innovation processes;
- Applying consistent IP tools and methods in support of efficient IP management. This document can be used for any type of innovation activities and initiatives.

### **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/AWS C4.5/C4.5M-202x, Uniform Designation System for Oxyfuel Nozzles (new standard)

This document presents recommendations to oxyfuel welding, cutting, and heating/brazing torch nozzle manufacturers regarding the identification markings to be permanently applied to the torch nozzle to identify its intended application. The identification will provide information to improve the safe operation and application of nozzles by torch operators.

Contact Jennifer Rosario <jrosario@aws.org>

# BSR C78.377-202X, Standard for Electric Lamps -- Specifications for the Chromaticity of Solid-State Lighting Products (revision of ANSI C78.377-2017 (R2022))

The purpose of this standard is to specify the range of chromaticity for general lighting with solid-state lighting (SSL) products, as well as to ensure that the chromaticity of the products can be communicated to consumers. This standard applies to LED lamps, LED light engines and LED luminaires for general lighting applications and may apply more broadly. This document does not apply to lighting fixtures sold without a light source. This standard also does not apply to SSL products for some indoor applications that intentionally produce colored light. Contact Michael Erbesfeld <<u>Michael.Erbesfeld@nema.org</u>>

#### BSR C78.378-202X, Standard for Electric Light Sources - Color Specifications for Non-White Phosphor-Converted (PC-) and Direct Emission (DE-) Solid-State Lighting Products (new standard)

The purpose of this standard is to specify the color characteristics of general solid-state lighting (SSL) products with chromaticities outside of the ANSI C78.377 quadrangles. The standard will provide specification nomenclature for Direct Emission (DE-) and Phosphor Converted (PC-) solid-state lighting (SSL) products based on chromaticity, peak wavelength, or some combination thereof as appropriate. This standard focuses on SSL products with peak/dominant wavelengths approximately longer than 550 nm, such as PC- and DE-Yellow/Amber/Orange/Red-Orange/Red. These products are generally applied where it is desired to limit short wavelength illumination (< 500 nm). This document does not apply to lighting fixtures sold without a light source. Contact Michael Erbesfeld <<u>Michael.Erbesfeld@nema.org</u>>

#### BSR/SERI ESG v. 1.0-202x, SERI ESG Reporting Standard for Electronics (new standard)

SERI will bring together stakeholders throughout the electronics value chain to develop a standard to systematically measure and report ESG metrics that will meet or exceed regulatory requirements globally, enable consistent and reliable metrics to benchmark, and measure negative and positive impacts. Additionally, SERI will implement a thirdparty verification program in accordance with ISO 17029 to verify claims. Contact Mike Easterbrook <<u>Mike@SustainableElectronics.org</u>>

# BSR/ASB BPR 206-202x, Best Practice Recommendation for Mass Fatality Incident Management (new standard)

This document provides best practice recommendations on the fundamental management considerations to be addressed in planning for and implementing a comprehensive disaster victim identification (DVI) operation. Contact Teresa Ambrosius <<u>tambrosius@aafs.org</u>>

#### BSR/ASSP Z359.1-202x, The Fall Protection Code (revision of ANSI/ASSP Z359.1-2020)

The Fall Protection Code is a set of standards that covers program management; system design; training; qualification and testing; equipment, component and system specifications for the processes used to protect workers at height in a managed fall protection program. This standard identifies those requirements and establishes their role in the Fall Protection Code and their interdependence. Contact Lauren Bauerschmidt <LBauerschmidt@assp.org>

# BSR/IEEE 493-202x, Recommended Practice for the Design of Reliable Industrial and Commercial Power Systems (new standard)

This recommended practice presents fundamentals of reliability analysis applied to the planning and design of industrial and commercial electric power distribution systems. The recommended practice helps conducting reliability analyses on industrial and commercial power systems. The document addresses the following aspects:

- Basic concepts of reliability analysis by probability methods;
- Fundamentals of power system reliability evaluation;
- Economic evaluation of reliability;
- Data related to the cost of power outage;
- Extensive mechanical and electrical equipment reliability data;
- The complete U.S. Army Corps of Engineers Power Reliability Enhancement Program (PREP) database;
- Examples of reliability analysis of various industrial distribution system operating configurations;
- Continuous power delivery;
- Voltage sag analysis;
- Emergency and standby power;
- Evaluating and improving the reliability of existing electrical system;
- Preventative maintenance;
- Reliability and maintainability verification;
- Standard data collection techniques.

Contact Suzanne Merten <<u>s.merten@ieee.org</u>>

# BSR/IEEE 3401-202x, Standard for the Visual Quality Assessment of Auto-Stereoscopic Displays (new standard)

This standard defines and quantifies the factors that affect the visual quality of the auto-stereoscopic displays, including crosstalk, resolution, screen size, and viewing angle. This standard includes procedures for testing the visual quality of the auto-stereoscopic displays under various conditions. This standard also defines deep learning-based methods for objectively assessing the visual quality of the auto-stereoscopic displays. Contact Suzanne Merten <<u>s.merten@ieee.org</u>>

#### **Final actions on American National Standards**

The documents listed below may be of interest to *Standards Watch* readers and have been approved by the ANSI Board of Standards Review or by an ANSI-Audited Designator on the date noted. "Final actions" means "done for now." No standard is ever finished.

**ANSI/ASHRAE Addendum 62.1a-2022,** Ventilation and Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2022), 31 October 2023

**ANSI/ASHRAE Addendum 62.1ab-2022,** Ventilation and Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2022), 31 October 2023

**ANSI/ASHRAE Addendum 62.1b-2022**, Ventilation and Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2022), 31 October 2023

**ANSI/ASHRAE Addendum 62.1c-2022,** Ventilation and Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2022), 31 October 2023

**ANSI/ICC 1210-2023,** Standard for Mechanical, Electrical, Plumbing Systems, Energy Efficiency and Water Conservation in Off-site Construction (new standard), 3 November 2023

**ANSI/IES RP-46-2023**, Recommended Practice: Supporting the Physiological and Behavioral Effects of Lighting in Interior Daytime Environments (new standard), 1 November 2023

**ANSI C81.61-2023**, Electric Lamp Bases - Specifications for Bases (Caps) for Electric Lamps (revision of ANSI C81.61 -2019), 31 October 2023

**ANSI/PMI 08-002-2024,** The Standard for Program Management (revision of ANSI/PMI 08-002-2017) Final Action Date: 11/9/2023 | Revision

**ANSI/UL 1678-2023,** Standard for Household, Commercial, and Institutional-Use Carts, Stands and Entertainment Centers for Use with Audio and/or Video Equipment (revision of ANSI/UL 1678-2022), 7 November 2023

**ANSI/UL 1974-2023**, Standard for Safety for Evaluation for Repurposing or Remanufacturing Batteries (revision of ANSI/UL 1974-2018), 10 November 2023

### 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 (<u>isot@ansi.org</u>), 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 (<u>tzertuche@ansi.org</u>). ISO and IEC Drafts can be made available by contacting ANSI's Customer Service department, <u>sales@ansi.org</u>.

65C/1279/FDIS, IEC 61784-5-22 ED1: Industrial networks -Profiles - Part 5-22: Installation of fieldbuses – Installation profiles for CPF 22, 22 December 2023

**65C/1280/FDIS, IEC 61784-5-8 ED3:** Industrial networks -Profiles - Part 5-8: Installation of fieldbuses – Installation profiles for CPF 8, 22 December 2023

**65C/1281/FDIS, IEC 61784-5-19 ED2:** Industrial networks -Profiles - Part 5-19: Installation of fieldbuses – Installation profiles for CPF 19, 22 December 2023

**65C/1282/FDIS, IEC 61918/AMD2 ED4:** Amendment 2 -Industrial communication networks - Installation of communication networks in industrial premises, 22 December 2023

**65C/1283/FDIS, IEC 61784-5-X ED5:** Industrial communication networks - Profiles - Part 5-x: Installation of fieldbuses -Installation profiles for CPF x (x=2, 3, 6, 12, 21), 22 December 2023

100/4045/CDV, IEC 62514 ED2: Multimedia gateway in home networks - Guidelines, 9 February 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 <u>ANSI Webstore</u>.

ISO/IEC 1539-1:2023, Programming languages - Fortran - Part 1: Base language, \$263.00

IEC/TS 63444 Ed. 1.0 en:2023, Industrial networks - EthernetAPL port profile specification, \$278.00

**ISO 31101:2023**, Robotics - Application services provided by service robots - Safety management systems requirements, \$210.00

ISO 37162:2023, Smart community infrastructures – Smart transportation for newly developing areas, \$77.00

**ISO/IEC 18630:2023,** Information technology - Digitally recorded media for information interchange and storage – Quality discrimination method for optical disks and operating method of storage systems for long-term data preservation, \$116.00

ISO 37004:2023, Governance of organizations - Governance maturity model - Guidance, \$157.00

**ISO/IEC TR 30172:2023,** Internet of things (IoT) - Digital twin -Use cases, \$263.00

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### **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 <u>https://esta.org/ESTA/meetings.php</u>. Note that all meeting times are shown in Pacific Standard Time (UTC-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 (at the 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

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