



Technical Standards Program

ESTA Standards Watch

Late June 2023 Volume 27, Number 12

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Powered floor machinery standard in public review

BSR E1.72, Powered Floor Machinery, is in public review through the month of July. Check it out at <http://estalink.us/pr>. The time for submitting comments is over when August starts.

This standard establishes requirements for the design, manufacture, installation, inspection, operation, and maintenance of powered stage floor machinery for performance, presentation, and theatrical production. It addresses the machinery, mechanisms, machine safety devices, and control interface requirements for equipment and systems, installed permanently or temporarily. Examples include but are not limited to: wagons, turntables, treadmills, slip stages, and trap covers. This standard does not apply to the structure to which the machine is attached nor the finished floor including its subflooring construction. Machines that produce substantially vertical movement, such as lifts, are also excluded from this standard.

WTO Technical Barrier to Trade notifications

The World Trade Organization has announced a 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/2010

Notification date: 23 June 2023

Agency responsible: Environmental Protection Agency

Products covered: Flame retardants

Title: Flame Retardants; Significant New Uses Rules for Certain Non-Ongoing Uses (14 pages in English)

Description of content: Proposed rule - Under the Toxic Substances Control Act (TSCA), EPA is proposing significant new use rules (SNURs) for three flame retardants, tris(2-chloroethyl) phosphate (TCEP), 4,4'-(1-methylethylidene)bis[2, 6-dibromophenol], also known as "tetrabromobisphenol A," (TBBPA), and triphenyl phosphate (TPP), which are all undergoing TSCA risk evaluations. The proposed significant new uses are manufacture (including import) or processing for any use, with the exception that the conditions of use the Agency expects to consider within the scope of the TSCA section 6 risk evaluations are not proposed as significant new uses. Persons subject to the SNUR would be required to notify EPA at least 90 days before commencing any manufacturing (including import) or processing of the chemical substance for a significant new use. Once EPA receives a notification, EPA must review and make an affirmative determination on the notification, and take such action as is required by any such determination before the manufacture (including import) or processing for the significant new use can commence.

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

Relevant documents: 88 Federal Register (FR) 40728, 22 June 2023; Title 40 Code of Federal Regulations (CFR) Part 721: <https://www.govinfo.gov/content/pkg/FR-2023-06-22/pdf/2023-13250.pdf>

This proposed rule is identified by Docket Number EPA-HQ-OPPT-2023-0012. The Docket Folder is available on Regulations.gov at <https://www.regulations.gov/docket/EPA-HQ-OPPT-2023-0012/document> and provides access to primary documents as well as comments received. Documents are also accessible from Regulations.gov by searching the Docket Number. WTO Members and their stakeholders are asked to submit comments to the USA TBT Enquiry Point by or before 4 pm Eastern Time on 7 August 2023. Comments received by the USA TBT Enquiry Point from WTO Members and their stakeholders will be shared with the regulator and will also be submitted to the Docket on Regulations.gov if received within the comment period.

Proposed date of adoption: To be determined

Proposed date of entry into force: To be determined.

Final date for comments: 7 August 2023

Full text: https://members.wto.org/crnattachments/2023/TBT/USA/23_10501_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 31 July 2023

BSR/ASSP A10.50-202x, Standard for Heat Stress Management in Construction and Demolition

Operations (new standard)

This standard establishes the minimum requirements for the prevention heat illnesses and management of heat stress hazards and exposures encountered during construction and demolition operations. It establishes procedures for the management of heat stress hazards and the selection and use of appropriate controls and practices to reduce risks presented by heat stress and prevention heat illnesses.

Single copy price: \$100.00

Obtain from and send comments to TFisher@ASSP.Org

BSR/IACET 1-202x, Standard for Continuing Education and Training (revision of ANSI/IACET 1-2018)

The standard provides a framework of continuous improvement to developers of adult non-credit continuing education events. The standard provides guidance for organizations designing, developing and delivering continuing education and training (CE/T) programs and is intended for organizations who want to demonstrate: (1) Their learning events meet the requirements and rigor of an internationally recognized standard; (2) Their commitment to educational rigor, excellence and integrity; and (3) A learner completing their program has completed a quality training program that adheres to an internationally recognized standard.

Single copy price: Free

Access and offer comments at <https://iacet.org/rfc>

BSR/ICC 1210-202x, Standard for Mechanical, Electrical, Plumbing Systems, Energy Efficiency and Water Conservation in Off-site Construction (new standard)

Development of a comprehensive standard to address requirements for the energy efficiency and water conservation of off-site construction projects and the planning, designing, fabricating, transporting, and assembling, of commercial and residential building mechanical, electrical and plumbing (MEP) system elements. This includes the componentization and modularization of elements of MEP systems, the incorporation of MEP systems in componentized, panelized or modularized building elements, and the achievement of energy efficiency and water conservation requirements in off-site construction. This standard will not apply to HUD manufactured housing.

Single copy price: Free

Obtain an electronic copy from <https://www.iccsafe.org/products-and-services/standards/is-osmc/>

Send comments to Karl Aittaniemi <kaittaniemi@iccsafe.org>

Due 7 August 2023

BSR/AWS D14.6/D14.6M-202x, Specification for Welding of Rotating Elements of Equipment (new standard)

This standard establishes material and workmanship standards for manufacturers, fabricators, repair organizations, purchasers, and owner/operators of rotating equipment which are fabricated or repaired by welding. Included are sections defining process qualifications, operator qualifications, quality control, inspection requirements, and repair requirements.

Single copy price: \$48.00 for non-members; \$36.00 for members

Obtain from and send comments to Kevin Bulger <kbulger@aws.org>

BSR/AWS D9.1/D9.1M-202x, Sheet Metal Welding Code (revision of ANSI/AWS D9.1/D9.1M-2018)

This code covers the arc and braze welding requirements for nonstructural sheet metal fabrications using the commonly welded metals available in sheet form. Requirements and limitations governing procedure and performance qualification are presented, and workmanship and inspection standards are supplied. The informative annexes provide useful information on materials and processes.

Single copy price: AWS Member: \$32.00; Non-Member: \$44.00

Obtain from and send comments to jmolin@aws.org

BSR/UL 60034-1-2018 (R202x), Standard for Safety for Rotating Electrical Machines - Part 1: Rating and Performance (reaffirmation of ANSI/UL 60034-1-2018)

Reaffirmation of UL 60034-1 which covers rotating electrical machines.

Single copy price: Free

Access and offer comments at <https://csds.ul.com/ProposalAvailable>

Due 15 August 2023

BSR/UL 2900-2-1-202x, Standard for Safety for Software Cybersecurity for Network-Connectable Products, Part 2 -1: Particular Requirements for Network Connectable Components of Healthcare and Wellness Systems (revision of ANSI/UL 2900-2-1-2023)

This proposal for UL 2900-2-1 covers updates to UL 2900-2-1 Based on Changes to UL 2900-1

Single copy price: Free

Offer comments at <https://csds.ul.com/Home/ProposalsDefault.aspx>

BSR/UL 2900-2-3-202x, Standard for Safety for Software Cybersecurity for Network-Connectable Products, Part 2 -3: Particular Requirements for Security and Life Safety Signaling Systems (revision of ANSI/UL 2900-2-3-2020)

This proposal for UL 2900-2-3 updates UL 2900-2-3 based on changes to UL 2900-1.

Single copy price: Free

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

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/ASSP Z359.15-202x, Safety Requirements for Single Anchor Lifelines and Fall Arresters for Personal Fall Arrest Systems (revision and redesignation of ANSI ASSE Z359.15-2014)

This standard establishes requirements for the design criteria, qualification testing (performance requirements), marking and instructions, user inspections, maintenance, and storage and removal from service of single-anchor lifelines and fall arresters for users within the capacity range of 110 to 310 pounds (50 to 140 kg).

Contact Lauren Bauerschmidt <LBauerschmidt@assp.org>

BSR/ISA 62443-3-2-202x, Security for industrial automation and control systems, Part 32: Security risk assessment for system design (revision of ANSI/ISA 62443-3-2-2020)

This standard establishes requirements for:

- defining a system under consideration (SUC) for an industrial automation and control system (IACS);
- partitioning the SUC into zones and conduits;
- assessing risk for each zone and conduit;
- establishing the target security level (SL-T) for each zone and conduit; and
- documenting the security requirements.

Contact Eliana Brazda <ebrazda@isa.org>

BSR/ISA 62443-4-1-202x, Security for industrial automation and control systems, Part 4-1: Secure product development lifecycle requirements (revision of ANSI/ISA 62443-4-1-2018)

This standard specifies process requirements for the secure development of products used in industrial automation and control systems. It defines a secure development life-cycle (SDL) for the purpose of developing and maintaining secure products. This life-cycle includes security requirements definition, secure design, secure implementation (including coding guidelines), verification and validation, defect management, patch management and product end-of-life. These requirements can be applied to new or existing processes for developing, maintaining and retiring hardware, software or firmware for new or existing products. These requirements apply to the developer and maintainer of the product, but not to the integrator or user of the product.

Contact Eliana Brazda <ebrazda@isa.org>

BSR/LEO 5000-202x, Emissions Inventories, Offsets, Reduction Credits & TAGs (new standard)

There is a wide variety of methodologies that are used for emission inventories, offsets, reduction credits, TAGs/Tradable emission reduction certificates and sequestration certificates. These current methodologies frequently only address a relatively narrow range of types of emissions and a narrow range of sources of emission reductions and emissions sequestration. This project will provide an integrated standard for emission inventories, offsets, reduction credits, TAGs/Tradable emission reduction certificates and emissions sequestration certificates. This project will provide a multi-pollutant approach that will facilitate owners of energy efficiency, renewable energy and other emission reduction actions calculating and earning emission reduction credits for all types of pollutants reduced. This project will provide an integrated standard for sequestration certificates for forests, grasslands, farms and other sources of emission sequestration certificates.

Contact Michael Arny <michaelarny@leonardoacademy.org>

BSR Z136.1-202x, Standard for Safe Use of Lasers (revision of ANSI Z136.1-2022)

This horizontal standard provides recommendations for the safe use of lasers and laser systems that operate at wavelengths between 180 nm and 1 mm. The revision will eliminate sections on topics that may have different requirements depending on application or are outside of the scope for a horizontal standard. These topics will then be covered in other standards in the Z136 series (the vertical standards) that include the ANSI Z136.2, ANSI Z136.3, ANSI Z136.5, ANSI Z136.6, ANSI Z136.7, ANSI Z136.8, ANSI Z136.9 and the proposed ANSI Z136.10 standards and the ANSI Z136.4 Recommended Practice. The revision will include new maximum permissible exposure levels.

Contact Liliana Caldero <lcaldero@lia.org>

BSR/ICC 1420-202x, Standard for Design and Evaluation of Dynamic Evacuation Systems in Buildings
(new standard)

This standard provides methodologies for the design and evaluation of dynamic evacuation systems in buildings. The standard shall include processes for identifying specific hazards, the determination of desired occupant response, and the methods of communication to building occupants. Topics covered may include component installation positions, display appearance, audible messaging, sensor interface, intelligent algorithms (including artificial intelligence), documentation, and system testing. The standard shall also include methodologies for the evaluation of the design and implementation of the system. The standard shall not be used to circumvent existing fire or other hazard-related evacuation requirements but rather provide an alternative method of compliance. Contact Karl Aittaniemi <kaittaniemi@iccsafe.org>

BSR/NEMA MG 60034-31-202x, Guidelines for the Selection of Motors Including Constant and Variable Speed Applications (national adoption with modifications of IEC 60034-31:2021 Edition 1.0)

Provides instruction on technical and economic aspects for the application of polyphase electric AC motors rated 600 V or less including synchronous machines. It applies to electrical machines covered by NEMA MG 1-2021. Contact Michael Leibowitz <mike.leibowitz@nema.org>

Final actions on American National Standards

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

INCITS/ISO/IEC 27036-2:2014 [2019], Information technology - Security techniques - Information security for supplier relationships - Part 2: Requirements (withdrawal of INCITS/ISO/IEC 27036-2:2014 [2019]), 12 June 2023

ANSI/ASME BTH-1-2023, Design of Below-the-Hook Lifting Devices (revision of ANSI/ASME BTH-1-2020), 16 June 2023

ANSI/NFPA 170-2023, Standard for Fire Safety and Emergency Symbols (revision of ANSI/NFPA 170-2021), 14 June 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 the 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.

65A/1100/NP, PNW TS 65A-1100 ED1: Artificial intelligence -Functional Safety and AI systems - Requirements, 8 September 2023

100/3955/NP, PNW 100-3955 ED1: User's Quality of Experience (QoE) on Multimedia Conferencing Services - Part 2: Requirement, 8 September 2023

100/3956/NP, PNW 100-3956 ED1: User's Quality of Experience (QoE) on Multimedia Conferencing Services - Part 3: Measurement method, 8 September 2023

100/3957/NP, PNW TS 100-3957 ED1: MULTIMEDIA SYSTEMS -HAPTICS - Haptics stimuli descriptors, 8 September 2023

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 30434:2023, Human resource management – Workforce allocation, \$210.00

ISO 3691-4:2023, Industrial trucks - Safety requirements and verification - Part 4: Driverless industrial trucks and their systems, \$237.00

ISO 28560-1:2023, Information and documentation - RFID in libraries - Part 1: Data elements and general guidelines for implementation, \$183.00

ISO/TS 23792-1:2023, Intelligent transport systems – Motorway chauffeur systems (MCS) - Part 1: Framework and general requirements, \$183.00

ISO 24495-1:2023, Plain language - Part 1: Governing principles and guidelines, \$116.00

ISO/IEC 27036-3:2023, Cybersecurity - Supplier relationships -Part 3: Guidelines for hardware, software, and services supply chain security, \$183.00

TSP meeting schedule

The next set of TSP working group meetings will be held at the Marriott DFW hotel in bucolic Westlake, Texas near the Dallas/Ft. Worth Airport. The most up to date version of the meeting schedule and a link to “Reserve a Hotel Room” are at <https://www.esta.org/ESTA/meetings.php>. United Airlines offers a discount for flights to these meetings using the code, [ZN7E375552](#). (The discount only applies to DFW Airport. You're out of luck with Dallas Love Field.)

Control Protocols Working Group	09:00 – 13:00 CDT	Saturday 22 July 2023
Control Protocols BSR E1.11 & E1.68	14:00 – 18:00 CDT	Friday 21 July 2023
Control Protocols BSR E1.20	19:00 – 23:00 CDT	Friday 21 July 2023
Control Protocols BSR E1.37-5	14:00 – 18:00 CDT	Saturday 22 July 2023
Control Protocols BSR E1.37-8 IPv4/v6	19:00 – 23:00 CDT	Saturday 22 July 2023
Control Protocols BSR E1.73, UDR	09:00 – 13:00 CDT	Friday 21 July 2023
Control Protocols BSR E1.77 security	19:00 – 23:00 CDT	Thursday 20 July 2023
Control Protocols NextGen	09:00 – 13:00 CDT	Sunday 23 July 2023
Electrical Power Working Group	19:00 – 23:00 CDT	Friday 21 July 2023
Event Safety Working Group	14:00 – 18:00 CDT	Saturday 22 July 2023
Floors Working Group	10:00 – 13:00 CDT	Friday 21 July 2023
Fog & Smoke Working Group	10:00 – 13:00 CDT	Thursday 20 July 2023
Photometrics Working Group	16:00 – 18:00 CDT	Friday 21 July 2023
Rigging Working Group	19:00 – 23:00 CDT	Saturday 22 July 2023
Stage Machinery Working Group	19:00 – 23:00 CDT	Thursday 20 July 2023
Technical Standards Council	09:00 – 13:00 CDT	Sunday 23 July 2023
Weapons Safety Working Group	14:00 – 18:00 CDT	Thursday 20 July 2023

ESTA Standards Watch

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EGI Event Production Services

Sapsis Rigging Inc.

Entertainment Project Services

SBS Lighting

Neil Huff

Steve A. Walker Associates

Interactive Technologies

Dana Taylor

iStudio Projects

Steve Terry

Jules Lauve

Vertigo

Brian Lawlor

WNP Services

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

Actors' Equity Association

Lex

Golden Sea Professional Lighting Provider

NAMM

IATSE Local 728

Texas Scenic Company

IATSE Local 891

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

American Society of Theatre Consultants

InterAmerica Stage, Inc.

Area Four Industries

Lycian Stage Lighting

BMI Supply

Niscon Inc.

City Theatrical Inc.

Tomcat Staging, Lighting and Support Systems

H&H Specialties, Inc.

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

Baxter Controls, Inc.

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Vincent Lighting Systems

Wuhan Zhongtian Jiaye Mechanical & Electrical Eng.
Co.

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

Chip Scott Lighting Design

Matthew Douglas III

Beverly and Tom Inglesby

Inventions Guité

KASUGA

Bill McCord

Motion FX

Northern Lights Electronic Design

Shanxi Tian Gong Sheng Optoelectronic Equipment
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