



Technical Standards Program

ESTA Standards Watch

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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.

BSR E1.72 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 excluded from this standard.

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/2016

Notification date: 11 July 2023

Agency responsible: Federal Communications Commission

Products covered: Broadband and mobile services, wireless telecommunications

Title: Expanding Use of the 12.7-13.25 GHz Band for Mobile Broadband or Other Expanded Use (38 pages in English)

Description of content: Notice of proposed rulemaking - In this document, the Federal Communications Commission seeks comment on various proposed means for transitioning some or all of the 550 megahertz between 12.7-13.25 GHz (the 12.7 GHz band) to mobile broadband and other expanded use, as well as on alternative changes to the Commission's rules that could promote use of the band on a shared basis.

Objective and rationale: Prevention of deceptive practices and consumer protection; Quality requirements; Harmonization; Cost saving and productivity enhancement

Relevant documents: 88 Federal Register (FR) 43938, 10 July 2023; Title 47 Code of Federal Regulations (CFR) Parts 1, 2, 15, 25, 27, 74, 78, and 101: <https://www.govinfo.gov/content/pkg/FR-2023-07-10/pdf/2023-13500.pdf>, <https://docs.fcc.gov/public/attachments/FCC-23-36A1.pdf>

Expanding Flexible Use of the 12.7-13.25 GHz Band for Mobile Broadband or Other Expanded Use; Final order published 10 July 2023: <https://www.govinfo.gov/content/pkg/FR-2023-07-10/pdf/2023-13502.pdf>

The above are links to summaries of the Commission's Notice of Proposed Rulemaking (NPRM) in GN Docket No. 22-352 included in the Report and Order and Further Notice of Proposed Rulemaking and Notice of Proposed Rulemaking and Order, FCC 23-36, adopted on 18 May 2023 and released on 19 May 2023. The full text of these documents is available at <https://docs.fcc.gov/public/attachments/FCC-23-36A1.pdf>.

This proposed rule and the final order are identified by GN Docket Number 22-352, FCC 23-36. The Docket Folder is available on the FCC's website at <https://www.fcc.gov/edocs/search-results?t=quick&fccdaNo=23-36&dockets=22-352> and provides access to associated documents as well as comments received (if any). Documents are also accessible from the FCC's Electronic Document Management System (EDOCS) by searching the WT Docket Number. Comments are due on or before 9 August 2023; reply comments are due on or before 8 September 2023. WTO Members and their stakeholders are asked to submit comments to the USA TBT Enquiry Point by or before 4pm Eastern Time on 9 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 FCC Electronic Comment Filing System (ECFS) 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: 9 August 2023

Full text: https://members.wto.org/crnattachments/2023/TBT/USA/23_10929_00_e.pdf

https://members.wto.org/crnattachments/2023/TBT/USA/23_10929_01_e.pdf

United States of America Notification USA/2018

Notification date: 21 July 2023

Agency responsible: Occupational Safety and Health Administration (OSHA), Department of Labor (DOL)

Products covered: Personal protective equipment; Occupational safety. Industrial hygiene; Protective equipment

Title: Personal Protective Equipment in Construction (15 pages in English)

Description of content: Proposed rule; request for comments by 18 September 2023 - OSHA is proposing to revise its personal protective equipment standard in construction to explicitly require that the equipment must fit properly. The agency requests comments regarding the proposed revision.

Objective and rationale: Protection of human health or safety

Relevant documents: 88 Federal Register (FR) 46706, 20 July 2023; Title 29 Code of Federal Regulations (CFR) Part 1926: <https://www.govinfo.gov/content/pkg/FR-2023-07-20/pdf/2023-15285.pdf>

This proposed rule; request for comments is identified by Docket Number OSHA-2019-0003. The Docket Folder is available on Regulations.gov at <https://www.regulations.gov/docket/OSHA-2019-0003/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 by or before 4pm Eastern Time on 18 September 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: 18 September 2023

Full text: https://members.wto.org/crnattachments/2023/TBT/USA/23_11210_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 28 August 2023

BSR/ASHRAE/IES Addendum k to ANSI/ASHRAE/IES Standard 100-2018, Energy Efficiency in Existing Buildings (addenda to ANSI/ASHRAE/IES Standard 100-2018)

This addendum aligns the body of the Standard with the new Title, Purpose, and Scope set by Addendum i. Standard 100 will require a building to meet both a gross energy target and a greenhouse gas (GHG) target in order to achieve compliance.

Single copy price: \$35.00

Access and offer comments at <https://www.ashrae.org/technicalresources/standards-and-guidelines/public-review-drafts>

BSR/ISEA 121-202x, Dropped Object Prevention Solutions (revision of ANSI/ISEA 121-2018)

This standard establishes minimum design, performance, testing and labeling requirements for solutions that reduce dropped objects incidents in industrial and occupational settings.

Single copy price: Member, Free; Non-member, \$50.00

Obtain an electronic copy from and offer comments to hwoehrle@safetysafetyequipment.org

BSR/TIA 607-E-202x, Generic Telecommunications Bonding and Grounding (Earthing) for Customer Premises (revision and redesignation of ANSI/TIA 607-D-2019, ANSI/TIA 607-D-1-2021)

This standard specifies requirements for a generic telecommunications bonding and grounding infrastructure and its interconnection to electrical systems and telecommunications systems. This standard may also be used as a guide for the renovation or retrofit of existing systems. New revision needed to:

- Incorporate content of addendum ANSI/TIA-607-D-1;
- Update references;
- Any other updates.

This is a recirculation ballot soliciting comments against the changes clearly marked in the standard.

Single copy price: \$174.00

Obtain a copy from and offer comments to standards-process@tiaonline.org

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.

Single copy price: Free

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

Due 12 September 2023

INCITS/ISO/IEC 15408-1:2022 [202x], Information security, cybersecurity and privacy protection – Evaluation criteria for IT security - Part 1: Introduction and general model (identical national adoption of ISO/IEC 15408 -1:2022 and revision of INCITS/ISO/IEC 15408-1:2009 [R2022])

Establishes the general concepts and principles of IT security evaluation and specifies the general model of evaluation given by various parts of the standard which in its entirety is meant to be used as the basis for evaluation of security properties of IT products.

Single copy price: \$263.00

Order from <http://webstore.ansi.org>

Send comments (copy psa@ansi.org) to: Barbara Bennett <comments@standards.incits.org>

INCITS/ISO/IEC 1989:2023 [202x], Information technology - Programming languages, their environments and system software interfaces - Programming language COBOL (identical national adoption of ISO/IEC 1989:2023 and revision of INCITS/ISO/IEC 1989:2014 [R2019])

Specifies the syntax and semantics of COBOL. Its purpose is to promote a high degree of machine independence to permit the use of COBOL on a variety of data processing systems.

Single copy price: \$263.00

Order from <http://webstore.ansi.org>

Send comments to Barbara Bennett <comments@standards.incits.org>

INCITS/ISO/IEC 19772:2020 [202x], Information security - Authenticated encryption (identical national adoption of ISO/IEC 19772:2020 and revision of INCITS/ISO/IEC 19772:2009 [R2019])

Specifies five methods for authenticated encryption, i.e., defined ways of processing a data string with the following security objectives: data confidentiality, i.e., protection against unauthorized disclosure of data; data integrity, i.e., protection that enables the recipient of data to verify that it has not been modified; data origin authentication, i.e., protection that enables the recipient of data to verify the identity of the data originator.

Single copy price: \$157.00

Order from <http://webstore.ansi.org>

Send comments to Barbara Bennett <comments@standards.incits.org>

INCITS/ISO/IEC 27005:2022 [202x], Information security, cybersecurity and privacy protection - Guidance on managing information security risks (identical national adoption of ISO/IEC 27005:2022 and revision of INCITS/ISO/IEC 27005:2018 [2019])

Provides guidance to assist organizations to: fulfill the requirements of ISO/IEC 27001 concerning actions to address information security risks; perform information security risk management activities, specifically information security risk assessment and treatment. This document is applicable to all organizations, regardless of type, size or sector.

Single copy price: \$237.00

Order from <http://webstore.ansi.org>

Send comments to Barbara Bennett <comments@standards.incits.org>

CSA public review announcements

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

Due 26 August 2023

C22.2 No. 351, **Power over Ethernet (POE) technology systems (new standard)**

This standard covers the interaction of devices using Power over Ethernet (PoE) technology systems up to 90 W of power over category cables. The systems consist of control units (power sensing equipment (PSE)) using category cabling to provide power to powered devices (PD) such as lighting, wiring devices, switches, VOIP phones, WAP, RFID readers, proximity sensors, and cameras. This standard applies to all PoE products that are intended to be installed in accordance with the *Canadian Electrical Code, Part I*. The systems covered by this Standard are intended to use PoE technology protocol such as IEEE Standard 802.3, Clause 33 and Clause 145, and may include other PoE technologies that also conform to IEEE 802.3 standards.

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/AHRI Standard 680 (SI/I-P)-202x, Performance Rating of Residential Air Filter Equipment (revision, redesignation and consolidation of ANSI/AHRI Standard 680-2015 (R2023) (I-P) and ANSI/AHRI Standard 681-2015 (R2023) (SI))

This standard applies to factory-made Air Filter Equipment and Air Filter Media, as used in such equipment, for removing particulate matter, when used in environmental conditioning of inhabited spaces in residential facilities. The standard evaluates the “combined” performance of air filter equipment in all aspects: initial resistance, final resistance, particle-size efficiency, and dust holding capacity. This offers both the user and specifier a complete

view of the air filter equipment for comparison purposes.

Contact Karl Best <kbest@ahrinet.org>

BSR/IAPMO/UMC 1-2024-202x, Uniform Mechanical Code (revision of ANSI/IAPMO UMC 1-2024)

This code provides minimum standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation, and maintenance or use of heating, ventilating, cooling, refrigeration systems, incinerators, and other miscellaneous heat-producing appliances. The provisions of this code apply to the erection, installation, alteration, repair, relocation, replacement, addition to, use or maintenance of mechanical systems.

Contact: Gabriella Davis <gaby.davis@iapmo.org>

BSR/NEMA MG 1-202x Rev 1-202x, Motors and Generators (revision of ANSI NEMA MG 1-2022)

This standard provides practical information concerning performance, safety, test, construction, and manufacture of alternating-current and direct-current motors and generators within the product scopes defined in the applicable section or sections of this publication. Although some definite purpose motors and generators are included, the standards do not apply to machines such as generators and traction motors for railroads, motors for mining locomotives, arc-welding generators, automotive accessory and toy motors and generators, machines mounted on airborne craft, etc.

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.

ANSI/GBI 02-2023, Green Globes Assessment Protocol for Existing Buildings (new standard), 6 July 2023

ANSI/UL 5500-2018 (R2023), Standard for Safety for Remote Software Updates (reaffirmation of ANSI/UL 5500-2018), 7 July 2023

ANSI/AHRI Standard 850-2013 (R2023) (I-P), Performance Rating of Commercial and Industrial Air Filter Equipment (reaffirmation of ANSI/AHRI Standard 850 (I-P)-2013), 11 July 2023

ANSI/AHRI Standard 851-2013 (R2023) (SI), Performance Rating of Commercial and Industrial Air Filter Equipment (reaffirmation of ANSI/AHRI Standard 851 (SI)-2013), 11 July 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.

22G/475/FDIS, IEC 61800-9-2 ED2: Adjustable speed electrical power drive systems (PDS) - Part 9-2: Ecodesign for motor systems - Energy efficiency determination and classification, 25 August 2023

JTC1-SC41/355/CD, ISO/IEC 30178 ED1: Internet of Things (IoT) - Data format, value and coding, 1 September 2023

JTC1-SC41/357/CD, ISO/IEC TR 30194 ED1: Internet of Things (IoT) and Digital Twin - Best practices for use case projects, 8 September 2023

JTC1-SC41/359/CD, ISO/IEC 30187 ED1: Internet of Things (IoT) - Evaluation indicator for IoT systems, 8 September 2023

JTC1-SC41/360/CD, ISO/IEC 30184 ED1: Internet of Things (IoT) - Autonomous IoT object identification in connected home -Requirements and framework, 8 September 2023

JTC1-SC41/361/CD, ISO/IEC 30181 ED1: Internet of Things (IoT) - Functional architecture for resource ID interoperability, 8 September 2023

JTC1-SC41/362/FDIS, ISO/IEC 30173 ED1: Digital twin -Concepts and terminology, 8 September 2023

ISO/DIS 22336, Security and resilience - Organizational resilience - Guidelines for resilience policy and strategy, 15 September 2023, \$82.00

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 532-3:2023, Acoustics - Methods for calculating loudness -Part 3: Moore-Glasberg-Schlittenlacher method, \$183.00

ISO 7240-7:2023, Fire detection and alarm systems - Part 7: Point-type smoke detectors using scattered light, transmitted light or ionization, \$237.00

ISO 19682:2023, Furniture - Tables - Test methods for the determination of stability, strength and durability, \$210.00

ISO/TS 32005:2023, Document management – Portable Document Format - PDF 1.7 and 2.0 structure namespace inclusion in ISO 32000-2, \$210.00

TSP meeting schedule—and Plugfest

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 from October 5 through 8. The meeting schedule will be posted at <https://www.esta.org/ESTA/meetings.php>.

What's listed [on the website](#) now is the four-day Plugfest running from 09:00 to 23:00 CDT each day. Control Protocols Working Group meetings will not be scheduled in the evenings so they will be open for people to participate in the Plugfest. ESTA's Plugfest is an opportunity to connect your lighting products with those of other manufacturers to resolve compatibility challenges. Attendees from around the world bring controllers, automated lights, control protocol analyzers, and other network-connected components to improve their product experiences. The scheduled hours are 09:00 to 23:00 CDT, Thursday thru Sunday. Members of the E1.11 (DMX512), E1.20 (RDM), E1.31 (sACN), and E1.33 (RDMnet) task groups who helped develop the standards will be available to answer questions and to offer assistance.

A larger than usual turnout is anticipated, so please send an email to plugfest@esta.org to express your interest in attending to reserve a spot. More information is available at <http://tsp.esta.org/tsp/news/plugfest.html>.

ESTA Standards Watch

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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

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This lists the donors who have made contributions in the last 12 months.

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

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NAMM

IATSE Local 728

Texas Scenic Company

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

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InterAmerica Stage, Inc.

Area Four Industries

Lycian Stage Lighting

BMI Supply

Niscon Inc.

City Theatrical Inc.

Tomcat Staging, Lighting and Support Systems

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

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

Chip Scott Lighting Design

Matthew Douglas III

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Inventions Guité

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