Technical Standards Program

ESTA Standards Watch

Late July 2021 Volume 25, Number 14

Table of Contents

2021 Behind the Scenes Holiday Cards are on sale....1
WTO Technical Barrier to Trade notifications....1
Australia Notification AUS/134....2
United States of America Notification USA/1748....2
Israel Notification ISR/1214....3
United States of America Notification USA/1751....3
Viet Nam Notification VNM/201....4
Viet Nam Notification VNM/202....5
Brazil Notification BRA/1217....6
ANSI public review announcements....6
Due 19 August 2021....6
Due 30 August 2021....7
Due 6 September 2021....8
Due 14 September 2021....8
CSA public review announcements....8
Due 13 September 2021....9
New ANS projects....9
Final actions on American National Standards....9
Draft IEC & ISO documents....10
Recently published IEC & ISO documents....11
TSP meeting schedule....11
TSP donors who have made long-term, multi-year pledges....12
Investors in Innovation, supporters of ESTA's Technical Standards Program....13

2021 Behind the Scenes Holiday Cards are on sale

The 2021 Behind the Scenes Holiday Cards are on sale now at the BTS Boutique. Card sales help support the charity work of Behind the Scenes. Cards are available in a variety of options: card packs of 10 with a standard greeting, personalized cards with a company logo and custom message, and electronic cards in multiple file formats and an array of price points starting at $20.

Orders for printed cards will be taken until 30 September 2021 with the cards to arrive by late November. Electronic card orders will be taken until December 17th. View and order cards at www.behindthescenescharity.org/holidaycards.

WTO Technical Barrier to Trade notifications

Notify US, the U.S. Department of Commerce's service to announce Technical Barrier to Trade filings, has announced TBTs that may be of interest to *Standards Watch* readers. If you have a problem with any TBT, you can protest through your representative to the World Trade Organization.

Australia Notification AUS/134

Date issued: 23 July 2021
Agency responsible: Department of Agriculture, Water and the Environment
National inquiry point: Department of Foreign Affairs and Trade (DFAT)
Products covered: Elemental mercury (CAS Number: 7439-97-6); HS 28054000 2) All mercury-added products listed in Part I of Annex A of the Minamata Convention on Mercury. Batteries, except: Button zinc silver oxide batteries with a mercury content less than 2%, Button zinc air batteries with a mercury content less than 2%. Switches and relays, except: Very high accuracy capacitance and loss measurement bridges. High frequency radio frequency switches and relays in monitoring and control instruments with a maximum mercury content of 20 mg per bridge, switch or relay Lamps containing specified quantities of mercury: Compact fluorescent lamps (CFLs) for general lighting purposes that are less than or equal 30 watts with a mercury content exceeding 2.5 mg per lamp burner o Linear fluorescent lamps (LFLs) for general lighting purposes - Triband phosphor less than 60 watts with a mercury content exceeding 5 mg per lamp; Halophosphate phosphor less than or equal to 40 watts with a mercury content exceeding 10 mg per lamp); High pressure mercury vapour (HPMV) lamps for general lighting purposes; Cold cathode fluorescent lamps (CCFL) and external electrode fluorescent lamps (EEFL) for electronic displays: short length (less than or equal to 500 mm) with mercury content exceeding 3.5 mg per lamp - medium length (greater than 500 mm and less than or equal to 1500 mm) with mercury content exceeding 5 mg per lamp - long length (greater than 1500 mm) with mercury content exceeding 13 mg per lamp. Cosmetics (with a mercury content above 1 ppm), including skin lightening soaps and creams, and not including eye area cosmetics where mercury is used as a preservative and no effective and safe substitute preservatives are available. Pesticides, biocides, topical antiseptics. The following non-electronic measuring devices except non-electronic measuring devices installed in large-scale equipment or those used for high-precision measurement, where no suitable mercury-free alternative is available: Barometers, Hygrometers, Manometers, Thermometers, Sphygmomanometers.
Title: Ratification of the Minamata Convention on Mercury - Final Regulation Impact Statement. (81 pages in English)
Description of content: Australia proposes to:
- Amend regulations under the Customs Act 1901 to prohibit the import and export of elemental mercury.
- Amend regulations and rules under the Therapeutic Goods Act 1989; Agricultural and Veterinary Chemicals (Administration) Act 1992; and Industrial Chemicals Act 2019 to prohibit the manufacture, import and export of certain mercury-containing products in Australia; and the import and export of elemental mercury.
- Create a new rule under the Recycling and Waste Reduction Act 2020 to prohibit the manufacture, import and export of certain mercury-containing products in Australia.
These amendments, along with other domestic law changes, will allow Australia to ratify, and comply with the obligations of, the Minamata Convention on Mercury.
Objective and rationale: These changes are necessary to meet Australia's ratification requirements for the Minamata Convention on Mercury, which aims to protect human health and the environment from anthropogenic emissions and releases of mercury and mercury compounds.; Protection of animal or plant life or health
Relevant documents: Minamata Convention on Mercury - Treaty Text:
http://www.mercuryconvention.org/Convention/Text/tabid/3426/language/en-US/Default.aspx
Ratification of the Minamata Convention on Mercury - Final Regulation Impact Statement:
https://ris.pmc.gov.au/2021/03/04/ratifying-minamata-convention-mercury
Proposed date of adoption: 1 December 2021
Proposed date of entry into force: 1 February 2022
Final date for comments: 31 August 2021
Full text: https://tsapps.nist.gov/notifyus/docs/wto_country/AUS/full_text/pdf/AUS134(english).pdf

United States of America Notification USA/1748

Date issued: 15 July 2021
Agency responsible: Office of Energy Efficiency and Renewable Energy (OEERE)
National inquiry point: USA WTO TBT Enquiry Point
Products covered: Metal halide lamp fixtures
Title: Energy Conservation Program: Test Procedure for Metal Halide Lamp Fixtures (19 pages in English)

Description of content: Notice of proposed rulemaking and request for comment - The U.S. Department of Energy ("DOE") proposes to amend its test procedures for metal halide lamp fixtures ("MHLFs") to incorporate by reference the latest versions of relevant industry standards; clarify the selection of reference lamps used for testing; reorganize the content of the test procedure for better readability and clarity; and revise the standby mode test procedure for MHLFs. DOE is seeking comment from interested parties on the proposal.
Objective and rationale: Consumer information, labelling; Prevention of deceptive practices and consumer protection; Protection of the environment; Quality requirements
Relevant documents: 86 Federal Register (FR) 37069, 14 July 2021; Title 10 Code of Federal Regulations (CFR) Part 431: https://www.govinfo.gov/content/pkg/FR-2021-07-14/pdf/2021-13772.pdf
This notice of proposed rulemaking and request for comment is identified by Docket Number EERE-2017-BT-TP-0053. The Docket Folder is available on Regulations.gov at https://www.regulations.gov/docket/EERE-2017-BT-TP-0053/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. 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: Not given by country
Proposed date of entry into force: Not given by country
Final date for comments: 13 September 2021
Full text: https://www.govinfo.gov/content/pkg/FR-2021-07-14/pdf/2021-13772.pdf

Israel Notification ISR/1214
Date issued: 16 July 2021
Agency responsible: Israel WTO-TBT Enquiry Point, Ministry of Industry, Trade and Labor (MOITAL)
National inquiry point: Israel WTO-TBT Enquiry Point, Ministry of Industry, Trade and Labor (MOITAL)
Products covered: Hazardous waste
Title: Policy for Importing Hazardous waste (2 pages in Hebrew)
Description of content: New draft policy announced by Israel's Ministry of Environmental Protection named "Policy for Importing Hazardous waste".
The import of hazardous waste into Israel has been regulated already since 1994 by the provisions of "The Hazardous Materials Order (Import and Export of Hazardous Waste), 5744-1994". The regulations implement and ratify the principles of the Basel Convention and require a permit from the Commissioner for the export or import of hazardous waste, and thus effectively monitor the transboundary movements of hazardous waste and its disposal. The purpose of the notified policy is to outline the discretion of the Commissioner to grant an import permit for hazardous waste as follows:
1. Providing full detailed information about the type, assembly, and manner of treatment of the imported hazardous waste.
2. The treatment plant, that wishes to import waste, shall present all necessary permits for the treatment of hazardous waste, including a toxic permit under the Hazardous Materials Law.
3. Requires that the amount of hazardous waste, that remains or is created after recovery and transferred to landfill, shall not exceed 25% of the imported material.
Objective and rationale: Protection of human health or safety; Protection of the environment
Relevant documents:
• The Hazardous Materials Law 5743-1993;
• The Hazardous Materials Order (Import and Export of Hazardous Waste), 5744-1994;
• The Basel Convention.
Proposed date of adoption: Not given by country
Proposed date of entry into force: Not given by country
Final date for comments: 14 September 2021
Full text: https://tsapps.nist.gov/notifyus/docs/wto_country/ISR/full_text/pdf/ISR1214(hebrew).pdf

United States of America Notification USA/1751
Date issued: 16 July 2021
Agency responsible: New York Department of Environmental Conservation
National inquiry point: USA WTO TBT Enquiry Point
Products covered: Product stewardship and labeling

Title: Proposed Part 368, Product Stewardship and Product Labeling (7 pages in English)
Description of content: Proposed rule - Notice is hereby given that the New York State Department of Environmental Conservation (NYSDEC) filed a Notice of Proposed Rule Making with the New York State Department of State on 15 June 2021 to repeal and replace Part 368. The proposed rule repeals and replaces the existing regulations for Recycling Emblems, develops new regulations for mercury-added consumer product labeling and develops new regulations for the existing Electronic Equipment Recycling and Reuse Act (EERRA). The Notice of Proposed Rulemaking is available in the 30 June 2021 issue of the State Register. Two public comment hearing webinars for the proposed rule will be held on Wednesday, 8 September 2021, before Administrative Law Judge (ALJ) Lara Q. Olivieri via electronic webinar and accordingly, is reasonably accessible to persons with impaired mobility.
Objective and rationale: Consumer information, labelling; Protection of the environment
Relevant documents: Vol. XLIII, Issue 26, New York State Register 30 June 2021 (pages 9-14): https://dos.ny.gov/system/files/documents/2021/06/063021.pdf
Notice of Proposed Rule Making - Adoption of 6 NYCRR Part 368 - Product Stewardship and Product Labeling: https://www.dec.ny.gov/regulations/123241.html
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 no later than 4:00 p.m. ET on 15 September 2021 will be shared with the regulator.
Proposed date of adoption: Not given by country
Proposed date of entry into force: Not given by country
Final date for comments: 15 September 2021
Full text: https://tsapps.nist.gov/notifyus/docs/wto_country/USA/full_text/pdf/USA1751(english).pdf

Viet Nam Notification VNM/201
Date issued: 23 July 2021
Agency responsible: Ministry of Information and Communications, Department of Science & Technology (MIC)
National inquiry point: WTO TBT Enquiry Point Vietnam
Products covered: Communication terminal to be connected to information and communication networks (ICT networks), namely as follows: - DECT cordless telephone (HS code: 8517.11.00) - Desktop computer (HS code: 8471.41.10) - Set Top Box in Digital Cable Television Network (HS code: 8528.71.11, 8528.71.19, 8528.71.91, 8528.71.99) - Set Top Box in IPTV network (HS code: 8528.71.11, 8528.71.19, 8528.71.91, 8528.71.99) - Amplifier in Cable Television Distribution System (HS code: 8517.62.49) - Cordless Telephone (other than DECT, base station only) (HS code: 8517.11.00).; Data-processing machines, automatic, comprising in the same housing at least a central processing unit, and one input unit and one output unit, whether or not combined (excl. portable weighing <= 10 kg and excl. those presented in the form of systems and peripheral units) (HS 847141); Line telephone sets with cordless handsets (HS 851711); Machines for the reception, conversion and transmission or regeneration of voice, images or other data, incl. switching and routing apparatus (excl. telephone sets, telephones for cellular networks or for other wireless networks) (HS 851762); Reception apparatus for television, whether or not incorporating radio-broadcast receivers or sound or video recording or reproducing apparatus, not designed to incorporate a video display or screen (HS 852871)
Title: Draft National technical regulation on electrical safety requirements for terminal equipment to be connected to information and communication networks (41 pages in Vietnamese)
Description of content: The draft National technical regulation on electrical safety requirements for terminal equipment to be connected to information and communication networks is based on EN 62949:2017, with references to IEC 62368-1:2014 and is intended to supersede the QCVN 22:2010/BTTTT "National technical regulation on electrical safety of Telecommunications Terminal Equipment".
This draft technical regulation applies to communication terminal equipment whose interfaces are designed and intended for connection to information and communication (ICT) networks.
This draft technical regulation does not apply to: - the safety requirements of the equipment itself according to IEC 62368-1; and
- interfaces to other networks.
This draft technical regulation applies to Vietnamese and foreign organizations and individuals that manufacture and trade in equipment covered by this regulation in the territory of Vietnam.
Objective and rationale: Quality requirements

Relevant documents:
- The Law on quality of products and goods;
- The Law on standards and technical regulations;
- Circular No.30/2011/TT-BTTTT dated 31 October, 2011 specifying mandatory certification and declaration of products and goods in information technology and communications sector;
- Circular No.15/2018/TT-BTTTT dated 15 November, 2018 providing modifications and amendments for the Circular No.30/2011/TT-BTTTT;
- Circular No.10/2020/TT-BTTTT dated 7 May, 2020 providing modifications and amendments for the Circular No.30/2011/TT-BTTTT;
- Circular No.11/2020/TT-BTTTT dated 14 May, 2020 specifying the list of specifying the List of products and goods with unsafe capability under management responsibility of Ministry of Information and Communications;
- Circular No.01/2021/TT-BTTTT dated 14 May, 2021 providing modifications and amendments for the Circular No.11/2020/TT-BTTTT.

Proposed date of adoption: 1 November 2021
Proposed date of entry into force: 1 July 2022
Final date for comments: 21 September 2021
Full text: https://tsapps.nist.gov/notifyus/docs/wto_country/VNM/full_text/pdf/VNM201(vietnamese).pdf

Viet Nam Notification VNM/202

Date issued: 23 July 2021
Agency responsible: Ministry of Information and Communications, Department of Science & Technology (MIC)
National inquiry point: WTO TBT Enquiry Point Vietnam
Products covered: 5G Non-standalone User Equipment intended to be used in Vietnam (HS code: 8517.12.00). 5G Non-standalone User Equipment operate in specific frequency bands and can integrate any or a combination of following functions:
- E-UTRA land mobile terminal equipment
- W-CDMA FDD land mobile terminal equipment
- GSM land mobile terminal equipment
- Radio equipment operating in the 2.4 GHz band and using spread spectrum modulation techniques
- Radio access equipment operating in the 5 GHz band
- Short range devices (transmitters, transceivers); Telephones for cellular networks "mobile telephones" or for other wireless networks (HS 851712)

Title: Draft National technical regulation on Non-standalone 5G User Equipment - Radio Access (69 page(s), in Vietnamese)
Description of content: The draft National technical regulation on Non-standalone 5G User Equipment - Radio access is based on:
- ETSI TS 138 101-3 V16.6.0 (2021-04): 5G User Equipment (UE) radio transmission and reception; Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.101-3 version 16.7.0 Release 16);
- ETSI TS 138 521-3 (V16.7.0) (05-2021): "5G User Equipment (UE) conformance specification; Radio transmission and reception; Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.521-3 version 16.7.0 Release 16).

This draft technical regulation specifies the radio access technical requirements for Non-Standalone 5G User Equipment operating on all or one of the band combiners specified in Table 1 and complying with the requirements of this draft Regulation and the regulations on management and use of radio frequencies in Vietnam;
This draft technical regulation applies to Vietnamese and foreign organizations and individuals that manufacture and trade in equipment covered by this regulation in the territory of Vietnam.
Objective and rationale: Quality requirements
Relevant documents:
• The Law on quality of products and goods;
• The Law on standards and technical regulations;
• Circular No.30/2011/TT-BTTTT dated 31 October, 2011 specifying mandatory certification and declaration of products and goods in information technology and communications sector;

• Circular No.15/2018/TT-BTTTT dated 15 November, 2018 providing modifications and amendments for the Circular No.30/2011/TT-BTTTT;
• Circular No.10/2020/TT-BTTTT dated 7 May, 2020 providing modifications and amendments for the Circular No.30/2011/TT-BTTTT;
• Circular No.11/2020/TT-BTTTT dated 14 May, 2020 specifying the list of products and goods with unsafe capability under management responsibility of Ministry of Information and Communications.
• Circular No.01/2021/TT-BTTTT dated 14 May, 2021 providing modifications and amendments for the Circular No.11/2020/TT-BTTTT.
Proposed date of adoption: 1 November 2021
Proposed date of entry into force: 1 January 2022
Final date for comments: 21 September 2021
Full text: https://tsapps.nist.gov/notifyus/docs/wto_country/VNM/full_text/pdf/VNM202(vietnamese).pdf

Brazil Notification BRA/1217
Date issued: 26 July 2021
Agency responsible: Ministry of Agriculture, Livestock and Supply (MAPA)
National inquiry point: TBT/WTO Enquiry Point (INMETRO)
Products covered: Coffee roasted (HS 09012)
Title: MAPA Ordinance No. 364, 16 July 2021 (13 pages in Portuguese)
Description of content: MAPA Ordinance No. 364 opens a 75-day period for public consultation on a proposal of Technical Regulation of roasted coffee.
The Ordinance and the project are available on MAPA website: https://www.gov.br/agricultura/pt-br/acesso-a-informacao/participacao-social/consultas-publicas/consulta-publica-regulamento-tecnico-do-cafe-torrado
Technically substantiated suggestions should be forwarded through the Normative Act Monitoring System - SISMAN, of the Department of Agricultural Defense - SDA/MAPA, through the link:
https://sistemasweb.agricultura.gov.br/solicita/
Objective and rationale: Establish the Technical Regulation of roasted coffee, setting its standard with the identity and quality requirements, sampling, the mode of submission and marking or labelling; Quality requirements
Relevant documents: Brazilian Official Gazette 137 on 22 July 2021, section 1, page 10.
https://www.in.gov.br/web/dou/-/portaria-n-364-de-16-de-julho-de-2021-333505012
The Ordinance and the project are available on MAPA website: https://www.gov.br/agricultura/pt-br/acesso-a-informacao/participacao-social/consultas-publicas/consulta-publica-regulamento-tecnico-do-cafe-torrado
Technically substantiated suggestions should be forwarded through the Normative Act Monitoring System - SISMAN, of the Department of Agricultural Defense - SDA/MAPA, through the link:
https://sistemasweb.agricultura.gov.br/solicita/
Proposed date of adoption: Not given by country
Proposed date of entry into force: Not given by country
Final date for comments: 5 October 2021
Full text: https://tsapps.nist.gov/notifyus/docs/wto_country/BRA/full_text/pdf/BRA1217(portuguese).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 19 August 2021

BSR/NFPA 70®-202x, National Electrical Code (revision of ANSI/NFPA 70-2020)
(A) Covered. This Code covers the installation and removal of electrical conductors, equipment, and raceways; signaling and communications conductors, equipment, and raceways; and optical fiber cables and raceways for the following: (1) Public and private premises, including buildings, structures, mobile homes, recreational vehicles, and floating buildings; (2) Yards, lots, parking lots, carnivals, and industrial substations; (3) Installations of conductors and equipment that connect to the supply of electricity; (4) Installations used by the electric utility, such as office buildings, warehouses, garages, machine shops, and recreational buildings, that are not an integral part of a generating plant, substation, or control center; (B) Not Covered. This Code does not cover the

following: (1) Installations in ships, watercraft other than floating buildings, railway rolling stock, aircraft, or automotive vehicles other than mobile homes and recreational vehicles. Informational Note: Although the scope of this Code indicates that the Code does not cover installations in ships, portions of this Code are incorporated by reference into Title 46, Code of Federal Regulations, Parts 110–113; (2) Installations underground in mines and selfpropelled mobile surface mining machinery and its attendant electrical trailing cable; (3) Installations of railways for generation, transformation, transmission, energy storage, or… [*sic*]
Access and offer comments at: www.nfpa.org/70Next

Due 30 August 2021

BSR/ACP 1000-2.2-202x, Rescue Training Requirements (new standard)
This standard identifies the recommended minimum training guidelines for persons rescuing in wind turbines and associated structures within the American Wind Energy industry.
Single copy price: Free
Obtain an electronic copy from: https://cleanpower.org/standards-development/
Send comments to: standards@cleanpower.org

BSR/ACP 1000-2.3-202x, Fall Protection Training Requirements (new standard)
This standard identifies the minimum training guidelines for persons climbing wind turbines and associated structures within the American Wind Energy industry.
Single copy price: Free
Obtain an electronic copy from: https://cleanpower.org/standards-development/
Send comments to: standards@cleanpower.org

BSR/TIA 568.5-202x, Single balanced twisted-pair cabling and components standard (new standard)
A single balanced twisted-pair cabling and components standard to provide specifications for cables, connectors, cords, links, and channels using 1-pair connectivity in non-industrial premises telecommunications networks. The standard will focus on MICE1 environments and will include cabling and component performance requirements and test procedures, reliability requirements, and test procedures, as well as guidelines for adaptations to four-pair cabling.
Single copy price: $116.00
Order from and send comments to: TIA, standards-process@tiaonline.org

BSR/UL 498D-202x, Standard for Safety for Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts (revision of ANSI/UL 498D-2021a)
This proposal for UL 498D covers: (1) Revision to Spring Action Terminals requirements.
Single copy price: Free
Access and offer comments at: https://csds.ul.com/Home/ProposalsDefault.aspx

BSR/UL 508A-202x, Standard for Safety for Industrial Control Panels (revision of ANSI/UL 508A-2020)
Ballot of the following new proposals: (1) Limit for ambient temperature; (2) Deletion of requirements for elevator control panels: (3) Include reference in scope to UL 67 regarding panelboard construction; (4) Clarification of branch and feeder circuit spacings; (5) Removal of SIS as an example of conductor type not readily available; (6) Clarification of the requirements for an air outlet from a forced ventilation system located in the area occupied by an operator; (7) Alignment with NFPA 79 for GFCI for receptacles; (8) Alignment with NFPA 79 and NEC regarding the term used to indicate the full-load current; (9) Clarification of 31.3.3 for Self-Protected Combination Motor Controllers; (10) Misprint in Paragraph 32.3.1; (11) Revision of requirements for feeder taps for motor loads; (12) Addition of reactors covered by UL 508; (13) Manual motor starters as overcurrent protection for control transformers; (14) UPS with supercapacitors; (15) Clarification of overload relay heater table marking requirement; (16) Alternate enclosure types; (17) Enclosure access; (18) Deletion of marking requirement in 67.1.2; (19) RFI/EMI filters rated greater than 400A; (20) Power monitoring devices; (21) Table SB 4.2 - Correction of Class RK1 I2t let-through values at 50kA; (22) SCCR marking of required overcurrent protective device; (23) Overload protection exemption for TP, IP, and EP motor circuits; (24) Alternative testing of component bonding connection; (25) Interrupting rating versus short-circuit current rating; (26) Internal conductor ampacity requirements for power circuits; (27) Schematic wiring diagrams; and (28) Protection for variable-speed drives.
Single copy price: Free

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

BSR/UL 2108-202x, Standard for Safety for Low Voltage Lighting Systems (revision of ANSI/UL 2108-2019)
This proposal for UL 2108 covers: (1) Batteries; (2) Scope clarifications; (3) Glossary; (4) Recessed equipment clarifications; (5) Secondary circuit grounding; (6) Enclosures; (7) Polymeric recessed housing; (8) Permit aluminum as a dry location, class 2 conductor material; (9) Accessibility determination clarification; (10) Insulation piercing terminal temperature test; (11) Recessed power unit mounting options; (12) Temperature test for luminaires; (13) Recessed abnormal temperature test; (14) Manufacturing and production tests; (15) Markings; (16) Mounting of recessed luminaires; (17) Cord-suspended luminaires; (18) Luminaire supply connections; (19) Adjustments to Part III table references to UL 1598 clauses; (20) Editorial reformatting of standard name references; and (21) Editorial changes.
Single copy price: Free
Access and offer comments at: https://csds.ul.com/Home/ProposalsDefault.aspx

Due 6 September 2021

BSR/ASSP A1264.2-202X, Reducing Slip Missteps on Walking-Working Surfaces (revision and redesignation of ANSI/ASSE A1264.2-2012)
This standard sets forth provisions for reducing the risk of slip missteps in workplace situations. These incidents may occur as a result of surface characteristics or conditions. This standard is intended for use. The purpose of this standard is to establish minimum provisions for reasonably safe underfoot surfaces for persons pursuing foreseeable activities.
Single copy price: $110.00
Order from and send comments to: Lauren Bauerschmidt, LBauerschmidt@assp.org

BSR/IES RP-45-202x, Recommended Practice: Horticultural Lighting (new standard)
This Recommended Practice is written primarily for lighting professionals who are interested in horticultural lighting for greenhouses, indoor farms, and building atria. While farmers and horticulturalists may know the lighting needs of specific plants, the role of the lighting designer is to translate these needs into workable and affordable lighting systems.
Single copy price: $25.00
Order from and send comments to: Patricia McGillicuddy, pmcgillicuddy@ies.org

BSR/UL 467-202x, Standard for Safety for Grounding and Bonding Equipment (revision of ANSI/UL 467-2013 (R2017))
This Standard applies to grounding and bonding equipment for use in accordance with CSA C22.1, Canadian Electrical Code, Part I in Canada; the National Electrical Code, NFPA 70, in the United States; or the Standard for Electrical Installations, NOM-001-SEDE, in Mexico.
Single copy price: Free
Access and offer comments at: https://csds.ul.com/Home/ProposalsDefault.aspx

Due 14 September 2021

BSR/ASME B30.32-202x, Unmanned Aircraft Systems (UAS) Used in Inspection, Testing, Maintenance and Load-Handling Operations (new standard)
B30.32 includes provisions that apply to the use of unmanned aircraft systems (UAS) to support the inspection, testing, maintenance, and load-handling operations of equipment addressed in other B30-series standards.
Single copy price: Free
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments to: Kathleen Peterson; petersonk@asme.org

CSA public review announcements

The CSA Group has announced A draft document for public review that might be of interest to Standards Watch readers. To participate in CSA public reviews, please visit: http://publicreview.csa.ca/.

Due 13 September 2021

Z96, High visibility safety apparel (new edition)
This standard specifies requirements for high-visibility safety apparel that is
a) capable of signaling the user's presence visually; and
b) intended to provide the user with conspicuity in hazardous situations under any light conditions and under illumination by vehicle headlights.

New ANS projects

ANSI has announced the following new projects that might materially affect *Standards Watch* readers—or at least be interesting to them. 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/SCS 003-202x, Radiative Forcing Climate Protocol - Organizations, Projects and Products (new standard)
Radiative forcing (RF) is the common, underlying metric by which all anthropogenic and biogenic factors influencing the climate system can be evaluated. For instance, it is the basis upon which carbon dioxide equivalents are calculated when determining the relative potency of greenhouse gases compared to carbon dioxide over various timeframes. The many drivers of increased RF include greenhouse gases, particulates, aerosols, and other emissions, and changes in the albedo of clouds and ground-level surfaces. Over time, sustained increases in RF lead to increasing climate disruption and higher global mean temperatures (GMT). Reducing RF is therefore essential to slowing climate change and stabilizing the climate. This standard will provide an RF Protocol to help organizations account for and manage their contribution to changes in RF for identification and implementation of projects to reduce or offset positive RF, and for determining the RF contribution of products. The Protocol will include the steps entities should take to establish their RF footprint, identify projects to reduce or offset RF that will not cause unintended adverse impacts, and have such projects validated and verified. In addition, the Protocol will support the development of a 2030 climate roadmap aimed near-term RF stabilization, consistent with the findings of IPCC reports.
Contact: Linda Brown, lbrown@scsglobalservices.com

BSR C18.3M, Part 2-202x, Portable Lithium Primary Cells and Batteries - Safety Standard (revision of ANSI C18.3M, Part 2-2021)
This standard specifies tests and requirements for portable primary lithium cells and batteries, both the chemical systems and the types covered in ANSI C18.3M, Part 1, to ensure their safe operation under normal use and reasonably foreseeable misuse.
Contact: Khaled Masri, Khaled.Masri@nema.org

BSR/NEMA ES 80008-202x, Battery Recyclability Standard (new standard)
Standard methodology to define the amount of recyclable material at the end of battery life (Recyclability Standard). Applicable to EV, residential, commercial and industrial, and utility scale batteries, the standard will establish the "recyclability" of any lithium battery in scope, resulting in threshold amounts of extractable metals from each cell and modules and plastics used throughout the module.
Contact: Brian Marchionini, Brian.Marchionini@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.

ANSI ISEA Z87.62-2021, Occupational and Educational Eye and Face Protection Devices for Preventing Exposures Caused by Sprays or Spurts of Blood or Body Fluids (new standard), 6 July 2021

ANSI/ASME HST-4-2021, Performance Standard for Overhead Electric Wire Rope Hoists (revision of ANSI/ASME HST-4-2016), 6 July 2021

ANSI/ICC 1200-2021, Standard for Off-Site Construction: Planning, Design, Fabrication and Assembly (new standard), 19 July 2021

ANSI/ICC 1205-2021, Standard for Off-Site Construction: Inspection and Regulatory Compliance (new standard), 19 July 2021

ANSI/NFPA 105-2022, Standard for Smoke Door Assemblies and Other Opening Protectives (revision of ANSI/NFPA 105-2019), 8 July 2021

ANSI/TIA 607-D-1-2021, Generic Telecommunications Bonding and Grounding (Earthing) for Customer Premises Addendum 1: Harmonization with ANSI/TIA 222 (addenda to ANSI/TIA 607-D-2019), 8 July 2021

ANSI/UL 1640-2021, Standard for Safety for Portable Power-Distribution Equipment (revision of ANSI/UL 1640-2020), 14 July 2021

ANSI/UL 508-2021, Standard for Safety for Industrial Control Equipment (revision of ANSI/UL 508-2018), 8 July 2021

ANSI/UL 508A-2021, Standard for Safety for Industrial Control Panels (revision of ANSI/UL 508A-2020), 13 July 2021

ANSI/UL 508A-2021a, Standard for Safety for Industrial Control Panels (revision of ANSI/UL 508A-2020), 13 July 2021

Draft IEC & ISO documents

This section lists proposed documents that the IEC or ISO or both, are considering for approval and that may be of interest to *Standards Watch readers*. Anyone interested in reviewing and commenting on a document should order a copy from their national representative and submit their comments through them. Comments from US citizens on IEC documents should be sent to Charles T. Zegers at czegers@ansi.org. Comments from US citizens on ISO documents should be sent to Karen Hughes at isot@ansi.org. Any prices, if shown, are for purchases through ANSI. The sort order is first by due date then by the project identifier alphanumeric. Many of the dates listed are far in the past or the future, but *sic erat scriptum*.

ISO/DIS 13849-1.2, Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design, 9 November 2007 [*sic*], $175.00

ISO/IEC DIS 23090-15, Information technology – Coded representation of immersive media - Part 15: Conformance testing for versatile video coding, 9 November 2007 [*sic*], $125.00

ISO/IEC DIS 23090-16, Information technology – Coded representation of immersive media - Part 16: Reference software for versatile video coding, 8 November 2008 [*sic*], $40.00

ISO/FDIS 8373, Robotics – Vocabulary, 4 November 2010 [*sic*], $82.00

ISO/FDIS 37106, Sustainable cities and communities Guidance on establishing smart city operating models for sustainable communities, 8 May 2021 [*sic*], $125.00

ISO/DIS 29481-3, Building information models – Information delivery manual - Part 3: Data schema and code, 24 September 2021, $88.00

ISO/IEC DIS 27036-2, Cybersecurity - Supplier relationships - Part 2: Requirements, 3 October 2021, $107.00

59/772/CD, IEC 62849 ED2: Performance evaluation methods of robots for household and similar use, 08 October 2021

Recently published IEC & ISO documents

Listed here are documents recently approved by the IEC or ISO and listed in ANSI's *Standards Action* that may be of use or interest to *Standards Watch* readers. Prices shown are for purchases from the ANSI Webstore.

IEC 61966-2-4 Amd.2 Ed. 1.0 en:2021, Amendment 2 – Multimedia systems and equipment - Colour measurement and management - Part 2-4: Colour management - Extended-gamut YCC colour space for video applications - xvYCC, $51.00

IEC 61966-2-4 Ed. 1.2 en:2021, Multimedia systems and equipment Colour measurement and management - Part 2-4: Colour management - Extended-gamut YCC colour space for video applications – xvYCC, $190.00

IEC 63103 Ed. 1.0 b:2020, Lighting equipment - Non-active mode power measurement, $259.00

IEC 63296-1 Ed. 1.0 b:2021, Portable multimedia equipment Determination of battery duration - Part 1: Powered loudspeaker equipment, $89.00

IEC/TR 63308 Ed. 1.0 en:2021, Virtual reality equipment and systems - Market, technology and standards requirements, $133.00

ISO 21524:2021, Fire resistance tests - Elements of building construction - Requirements for active fire curtains, $250.00

ISO/IEC 23008-2/Amd1:2021, Information technology – High efficiency coding and media delivery in heterogeneous environments - Part 2: High efficiency video coding – Amendment 1: Shutter interval information SEI message, $20.00

ISO/IEC 30165:2021, Internet of Things (IoT) - Real-time IoT framework, $26.00

TSP meeting schedule

The meeting schedule is at https://www.esta.org/ESTA/meetings.php.

TSP donors who have made long-term, multi-year pledges

About the Stage
Actors' Equity Association
Altman Lighting
Barbizon Lighting Company
B-Hive Industries
Scott Blair
BMI Supply
Boston Illumination Group
Candela Controls
Chauvet
City Theatrical
Clark-Reder Engineering
Columbus McKinnon Corporation
Tracey Cosgrove and Mark McKinney
Bruce Darden
Doug Fleenor Design
Earl Girls Inc. EGI Pro
Electronic Theatre Controls
Entertainment Project Services
Geiger Engineers, PC
Tony Giovannetti
GLP German Light Products
Golden Sea Professional Equipment Limited
H & H Specialties
Harlequin Floors
High Output
Neil Huff
Hughston Engineering
IATSE Local 891
InCord
Beverly and Tom Inglesby
Interactive Technologies
InterAmerica Stage
iWeiss Inc.
J.R. Clancy
Jules Lauve
Brian Lawlor
Lex Products
Link USA, Inc.
Lycian Stage Lighting
John T. McGraw
McLaren Engineering Group
Mike Garl Consulting
Mike Wood Consulting
Morpheus Lights
NAMM
Niscon
Oasis Stage Werks
Reed Rigging
Reliable Design Services
Robe
Rosco Laboratories
Rose Brand
Alan M. Rowe
Sapsis Rigging
Stage Equipment & Lighting
Stage Rigging
Stagemaker
Stageworks
Syracuse Scenery and Stage Lighting, Co.
Dana Taylor
Steve Terry
Texas Scenic Company
Theatre Projects Consultants
Theatre Safety Programs
TMB
Tyler Truss Systems
Vertigo
Vincent Lighting Systems
Steve Walker & Associates
Walt Disney Parks and Resorts
Westview Productions
WNP Services, Inc.

ESTA Standards Watch

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

Karl G. Ruling, Senior Technical Standards Manager
ESTA, Technical Standards Program
PO Box 23200
Brooklyn, NY 11202-3200 USA
karl.ruling@esta.org
1 212 244 1505 ext. 703

Richard Nix, Asst. Technical Standards Manager
ESTA, Technical Standards Program
PO Box 23200
Brooklyn, NY 11202-3200 USA
richard.nix@esta.org
1 212 244 1505 ext. 649

If you would like to receive an email notice each time a new edition of *Standards Watch* is published, send a request to standards@esta.org.
The archive of *Standards Watch* issues back to the beginning of 2011 is available at http://estalink.us/nn7a1.

Investors in Innovation, supporters of ESTA's Technical Standards Program

VISIONARY LEADERS ($50,000 & up)

ETC

PLASA

VISIONARY ($10,000 & up; >100 employees/members)

Chauvet Professional
Cisco
Columbus McKinnon Entertainment Technology
Disney Parks Live Entertainment
ProSight Specialty Insurance
Robe

VISIONARY ($5,000 & up; 20–100 employees/members)

Altman Lighting, Inc.
German Light Products
JR Clancy
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
Boston Illumination Group
Candela Controls, Inc.
Clark Reder Engineering
Tracey Cosgrove & Mark McKinney
Doug Fleenor Design
EGI Event Production Services
Entertainment Project Services
Neil Huff
Interactive Technologies
Jules Lauve
Brian Lawlor
Michael Lay
Limelight Productions, Inc.
Link
John T. McGraw
Mike Garl Consulting
Mike Wood Consulting
Reed Rigging
Reliable Design Services
Alan Rowe
Sapsis Rigging Inc.
Steve A. Walker & Associates
Dana Taylor
Steve Terry
Vertigo
WNP Services

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

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

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

Area Four Industries
American Society of Theatre Consultants
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)

ChamSix
Bruce Darden
Guangzhou Color Imagination LED Lighting
Indianapolis Stage Sales & Rentals, Inc.
Kenney Drapery Associates, Inc.
L1 Inc.
Liberal Logic, Inc.
Lighting Infusion LLC
Luminator Technology Group
Scott Madaski
Mediam Sp. zo.o.
Karen Miller
Nanyi Audio & Lighting Enterprise Co., Ltd.
Qdot Lighting Ltd.
Sanko Device Co. Ltd.
Show Light Oy
Shawn Silverman
Tracy Underhill
Steve Vanciel
Ralph Weber

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

Harlequin Floors

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

ACT Lighting Inc./AC Power Distribution
ARM Automation, Inc.
Ian Foulds, IATSE Local 873
General Lighting Electronic Co. Ltd.
Guangzhou Shenghui Electronic Technology
Guangzhou YaFeng Optoelectronic Equipment Co.
Guangzhou Yilaiming Photoelectric Technology Co., Ltd.
ELECTRON SA
HAYA Light Equipment Ltd. Co.
High Output
InCord
Intella Systems Co., Ltd.
iWeiss
LA ProPoint, Inc.
LUPO SRL
Moss LED Inc.
Nanshi Lighting
Oasis Stage Werks
Shenzhen Ifountain Technology
Skjonberg Controls Inc.
Stage Equipment & Lighting
Stagemaker
Stageworks
Syracuse Scenery and Stage Lighting Co., Inc.
Taurus Light Co. Ltd.
Ultratec Special Effects
Vincent Lighting Systems
Wuhan Zhongtian Jiaye Mechanical & Electrical Eng. Co.
Zhisheng Huang
Zhuhai Shengchang Electronics Co.

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

Adam Blair
Alyxzander Bear
Capture Visualisation AB
Chip Scott Lighting Design
DMX Pro Sales
Emilium GmbH
Peter Erskine
Foshan Leiyuan Photoelectric Co. Ltd.
Jack Gallagher
Tony Giovannetti
Pat Grenfell
John Huntington
Beverly and Tom Inglesby
Klik Systems
Eddie Kramer
Jason Kyle
David Lascaut
Jason Livingston
LuxBalance Lighting
Luminator Technology Group
Tyrone Mellon, Jr.
Lizz Pittsley
Sigma Net
Michael Skinner
Studio T+L
TELMIC Neo
Terrier Marketing
Arjan van Vught
Lars Wernland

Extraordinary legacy gift: Ken Vannice

You can make a donation by visiting https://tsp.esta.org/tsp/inv_in_innovation/sponsor.html.
Become an *Investor in Innovation*!