Technical Standards Program ESTA Standards Watch

May 2020 Volume 24, Number 9

Table of Contents	
Three ESTA draft standards in public review	1
The Event Safety Alliance Reopening Guide is published	2
ANSI Seeks Feedback on ISO Proposal Managing School Trip Risk	2
Germicidal UV advice available	2
WTO Technical Barrier to Trade notifications	
United States of America Notification USA/1618	3
United States of America Notification USA/1617	
European Union Notification EU/719	4
ANSI public review announcements	5
Due 15 June 2020	5
Due 22 June 2020	
Due 30 June 2020	7
New ANS projects	7
Final actions on American National Standards	8
Draft IEC & ISO documents	
Recently published IEC & ISO documents	10
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

Three ESTA draft standards in public review

Three draft ESTA standards are posted for public review on ESTA's TSP website. Comments are due on the first two draft standards before the end of the day June 28. Comments on the last are due before for the end of the day on July 13, 2020. Check'em out at <u>https://tsp.esta.org/tsp/documents/public_review_docs.php</u>!

BSR E1.6-1, Powered Rigging Systems. ANSI E1.6-1 - 2019 is being opened for limited revision, with the scope of revisions applying only to section 6.6 of the standard. The revisions are necessary to correct errata in that section only. No other revisions will be considered or made at this time.

BSR E1.39 - 202x, Entertainment Technology - Selection and Use of Personal Fall Arrest Systems on Portable Structures Used in the Entertainment Industry. This standard establishes minimum requirements for the selection and use of personal fall arrest systems (PFAS) on portable structures in the entertainment industry. In addition, the standard establishes minimum requirements for products and portable structures used in the service of PFAS. The requirements for other methods used to protect workers from fall hazards such as safety nets, guard rails, and rope access techniques are not included in this standard. This standard does not preclude the use of other appropriate standards to promote fall protection safety.

BSR E1.54, ESTA Standard for Color Communication in Entertainment Lighting. The draft standard is a revision of the existing ANSI E1.54. It specifies a standardized way of specifying color to facilitate the

communications between lighting controllers and color-changing luminaires. The method is generic and is neither manufacturer-specific nor color technology-specific. The revisions are needed to make the standard more useful and to update the document's name.

The draft E.54 standard and the notes on it are being distributed together in a ZIP file. The draft standard is intended to become an American National Standard. The notes are simply informative notes, and neither add to nor subtract from the requirements of the standard. Reviewers are asked to look at both documents. We don't want errors or confusing text in either of them.

The Event Safety Alliance Reopening Guide is published

The Event Safety Alliance has published a 30-page *The Event Safety Alliance Reopening Guide*, which is what the title says. It's a guide to help event industry professionals who are planning to reopen during the coronavirus disease (COVID-19) pandemic. This document contains no "best practices" that apply everywhere—coronavirus creates different challenges depending on countless factors, including the size of the event, its geographic location, the physical space, the anticipated attendees, et cetera. Instead, in the order one would plan an event, the *Guide* identifies reasonably foreseeable health risks and suggests options to mitigate them.

Because it is intended to be used by event professionals, the *Guide* strikes a balance between a simple checklist and an exhaustive consideration of all options. The goal in writing the *Guide* has been to provide enough information so each user can make reasonable choices under their own circumstances.

The *Guide* is available for free download at <u>http://www.eventsafetyalliance.org/esa-reopening-guide</u>. There are links at the top of the page to help you join the Event Safety Alliance or make a donation, but downloading the *Guide* doesn't have to cost you anything but your time.

ANSI Seeks Feedback on ISO Proposal Managing School Trip Risk

The American National Standards Institute is seeking comments from its constituents on a proposal for a new ISO standard focused on *Managing risk for youth and school trips*. COPOLCO, the ISO Policy Advisory Committee on Consumer Issues, and the Standards Council of Canada <u>submitted a proposal</u> to ISO for a new ISO standard to provide guidance for managing risk for youth (in particular, minors) and school trips. According to the scope statement, the standard would encompass best practices to address typical risks for this sector such as behavioral breaches and carelessness of students, weather-related problems, requirements for those with special needs, and technical elements, such as mechanical failures of equipment.

All interested U.S. parties are invited to <u>review details in the proposal</u>, and to submit comments to Steven Cornish, ANSI senior director of international policy and strategy, at <u>scornish@ansi.org</u>, before the close of business on 5 June 2020.

Germicidal UV advice available

The Illuminating Engineering Society had a four-hour webinar on 7 May with over 3,000 participants from 59 countries hearing presentations from experts on germicidal ultraviolet (GUV), photobiological basics, carcinogenicity risk, UV-C lamp sources, relevant research, and more. The webinar addressed some of the concerns of the operators of theatres and other entertainment venues who want to sanitize their venues against the spread of the novel coronavirus SARS-CoV-2, which causes COVID-19. The presentations were recorded, and are available at https://www.ies.org/standards/committee-reports/. A listing of frequently asked questions—with answers—is avable at https://www.ies.org/standards/committee-reports/. A listing of frequently asked questions—

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. See the guidance documents at

http://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm or http://ec.europa.eu/growth/tools-databases/tbt/en/tbt-and-you/being-heard/ for advice on filing objections.

United States of America Notification USA/1618

Date issued: 6 May 2020

Agency responsible: Environmental Protection Agency (EPA)

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Chemical substances, risk evaluation

Title: Draft Scopes of the Risk Evaluations To Be Conducted for Thirteen Chemical Substances Under the Toxic Substances Control Act (2 pages in English)

Description of content: Notice - As required by the Toxic Substances Control Act (TSCA), which was amended by the Frank R. Lautenberg Chemical Safety for the 21st Century Act in June 2016, EPA is announcing the availability of the draft scope documents for the risk evaluations to be conducted for 13 of 20 High-Priority Substances designated in December 2019. The draft scope document for each chemical substance includes the conditions of use, hazards, exposures, and the potentially exposed or susceptible subpopulations the EPA plans to consider in conducting the risk evaluation for that chemical substance. EPA is also opening a 45-calendar day comment period on these draft scope documents to allow for the public to provide additional data or information that could be useful to the Agency in finalizing the scope of the risk evaluations; comments may be submitted to this docket and the individual dockets for each of the chemical substances.

Objective and rationale: Prevention of deceptive practices and consumer protection; Protection of human health or safety; Protection of the environment

Relevant documents: 85 Federal Register (FR) 19941, 9 April 2020:

https://www.govinfo.gov/content/pkg/FR-2020-04-09/pdf/2020-07484.pdf

The docket folder on Regulations.gov provides access to primary and supporting documents for this notice as well as the comments received: <u>https://www.regulations.gov/docket?D=EPA-HQ-OPPT-2019-0131</u>

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 26 May 2020

Full text URL: https://www.govinfo.gov/content/pkg/FR-2020-04-09/pdf/2020-07484.pdf

United States of America Notification USA/1617

Date issued: 6 May 2020

Agency responsible: Environmental Protection Agency (EPA)

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Chemical substances, risk evaluation

Title: Draft Scopes of the Risk Evaluations To Be Conducted for Seven Chemical Substances Under the Toxic Substances Control Act (3 pages in English)

Description of content: Notice - As required by the Toxic Substances Control Act (TSCA), which was amended by the Frank R. Lautenberg Chemical Safety for the 21st Century Act in June 2016, EPA is announcing the availability of the draft scope documents for the risk evaluations to be conducted for 7 of 20 High-Priority Substances designated in December 2019. The draft scope document for each chemical substance includes the conditions of use, hazards, exposures, and the potentially exposed or susceptible subpopulations the EPA plans to consider in conducting the risk evaluation for that chemical substance. EPA is also opening a 45-calendar day comment period on these draft scope documents to allow for the public to provide additional data or information that could be useful to the Agency in finalizing the scope of the risk evaluations; comments may be submitted to this docket and the individual dockets for each of the chemical substances.

Objective and rationale: Prevention of deceptive practices and consumer protection; Protection of human health or safety; Protection of the environment

Relevant documents: 85 Federal Register (FR) 22733, 23 April 2020:

https://www.govinfo.gov/content/pkg/FR-2020-04-23/pdf/2020-08613.pdf

The docket folder on Regulations.gov provides access to primary and supporting documents for this notice as well as the comments received: <u>https://www.regulations.gov/docket?D=EPA-HQ-OPPT-2019-0131</u>.

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 8 June 2020

European Union Notification EU/719

Date issued: 12 May 2020

Agency responsible: EU-TBT Enquiry Point National inquiry point: EU-TBT Enquiry Point Products covered: Hazardous mixtures

Title: Draft Commission Delegated Regulation amending Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures in order to improve the workability of information requirements related to emergency health response accompanied by an Annex (6 pages in English; 28 pages in English)

Description of content: According to Article 45(1) of the CLP Regulation, EU Member States' appointed bodies shall be responsible for receiving information from importers and downstream users on the hazardous chemical mixtures they place on the market. Commission Regulation (EU) No 2017/542 amended the CLP Regulation by adding an Annex harmonising the information to be provided relating to emergency health response ("Annex VIII").

Annex VIII was adopted in March 2017. Shortly before adoption, EU Member States and industry stakeholders called for amendments of Annex VIII before its compliance date, for reasons of serious workability concerns (notably the difficulty or impossibility of knowing the exact composition of products in cases where raw materials with highly variable or unknown composition are used, where multiple suppliers are being used for components that are stored in the same recipient, or where complex supply chains are involved). The Commission services commissioned a study to assess the legitimacy of the claims and the impact on duty holders and concluded that an amendment of Annex VIII was indeed necessary. The amendment would constitute a second amendment to the Regulation, after the adoption of Regulation (EU) 2020/11, which deferred the compliance date for mixtures for consumer use and aimed at a more streamlined interpretation of the rules, improving internal coherence and mitigating some unintended consequences that had only become apparent since the adoption of Regulation (EU) 2017/542.

The Commission is now proposing to amend Annex VIII of Regulation (EC) 1272/2008 in order to solve the workability issues.

The enclosed act and annex (replacing the current Annex VIII) improve the workability of information requirements related to emergency health response. The amendment of Annex VIII addresses the concerns raised, i.e. the difficulty or impossibility of knowing the exact composition of products in cases where raw materials with highly variable or unknown composition are used, where multiple suppliers are being used for components that are stored in the same recipient, or where complex supply chains are involved, as well as the impossibility to know in advance which exact bespoke mixtures will be placed on the market. This proposed act introduces a general solution with the concept of an interchangeable component group, as well as more sector specific solutions for gypsum, ready mixed concrete, cement and petroleum products and bespoke paints.

This draft act and annex are closely interlinked with the "Draft Commission Delegated Regulation amending Article 25 of Regulation (EC) 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures as regards bespoke paints" that contains the addition of paragraph (8) to Article 25 providing for a solution for bespoke paints. The latter constitutes only part of the solution, namely the consequence for the labelling obligations in Article 25 of Regulation (EC) 1272/2008 of the non-necessity to create a UFI for bespoke paints. The non-necessity to create a UFI for bespoke paints, being the other part of the solution, is stipulated in proposed amendment of Annex VIII.

Objective and rationale: Ensuring the proper functioning of the EU internal market; Protection of human health or safety; Protection of the environment

Relevant documents:

- Regulation (EC) 1272/2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (OJ L 353, 31.12.2008, p. 1.) <u>http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?</u> uri=OJ:L:2008:353:0001:1355:EN:PDF

- Commission Regulation (EU) No 2017/542 amended the CLP Regulation by adding an Annex harmonising the information to be provided relating to emergency health response (OJ L 78/1, 23.3.2017, p.1) http://data.europa.eu/eli/reg/2017/542/oj - Commission Delegated Regulation (EU) 2020/11 of 29 October 2019 amending Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures as regards information relating to emergency health response (OJ L 6, 10.1.2020, p. 8-14) http://data.europa.eu/eli/reg_del/2020/11/oj

Proposed date of adoption: Not given by country Proposed date of entry into force: Not given by country Final date for comments: 11 July 2020 Full text: https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU719[1](english).pdf and https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU719[2](english).pdf

ANSI public review announcements

The following documents have been announced for public review by ANSI. 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 15 June 2020

BSR/ASCE/CI 71-202x, Identifying, Quantifying, and Proving Loss of Productivity (new standard) Managing labor productivity is a crucial component of project success. Because labor costs are typically the most variable and a major component of overall project cost, tracking and measuring labor productivity is helpful in preventing, mitigating, and recovering cost overruns. The numerous published treatises and studies on loss of productivity in the construction industry highlight its importance. Despite that importance, there are inconsistencies in the methodologies used to identify, quantify, and determine causation and liability for labor productivity losses.

Single copy price: Free!

Order from and send comments to: James Neckel, jneckel@asce.org

BSR/IES LP-3-202x, Lighting Practice: Designing and Specifying Daylighting for Buildings (new standard)

This document provides detailed discussions and guidelines on the design and performance of these systems. The contents of this document are of value to architects, electrical and mechanical engineers, interior designers, landscape architects, contractors, equipment and material manufacturers, as well as end users such as developers, building owners, and facility managers. Each of these individuals plays a role in defining how a daylight system will perform over its lifetime.

Single copy price: \$25.00

Order from and send comments to: pmcgillicuddy@ies.org

BSR Z136.4-202x, Standard Recommended Practice for Laser Safety Measurements for Hazard Evaluation (new standard)

This document provides adequate, practical guidance for necessary measurement procedures used for classification and hazard evaluation of lasers. This document is intended to provide guidance for manufacturers, laser safety officers (LSOs), and trained laser users. This project has been submitted as a revision to supersede Z136.4-2010; however, the Z136.4-2010 will be administratively withdrawn on April 22, 2020. Therefore, at that time, this project will then change to submit the Z136.4 revision as a new standard. Single copy price: \$30.00

Obtain an electronic copy from: <u>https://www.lia.org/store/product/z1364-public-review-draft-1-electronic-version</u> Send comments to: Liliana Caldero, <u>lcaldero@lia.org</u>

BSR/NSF 49-202x (i153r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2019)

This standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to biosafety levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this standard. This standard includes basic requirements for the design, construction, and performance of biosafety cabinets (BSCs) that are intended to provide personnel, product, and environmental protection; reliable operation; durability and structural stability; cleanability; limitations on noise level; illumination; vibration; and motor/blower performance.

Single copy price: Free

Obtain an electronic copy from: <u>https://standards.nsf.org/apps/group_public/download.php/54018/49i153r1%20-%20Airflow%20Smoke%20Patterns%20-%20JC%20memo%20&%20ballot.pdf</u> Send comments to: Allan Rose, <u>arose@nsf.org</u>

Due 22 June 2020

BSR/ASB Std 092-202x, Canine Detection of Explosives (new standard)

This standard provides the training requirements for a canine team (canine handler and canine), and details follow-on assessments for trained canine teams, in the field of explosives detection including traditional explosives detection canines (EDC), person screening canines (PSC), and explosives detection canines with person screening capabilities (EDC w/PSC). This standard is intended to be used as the basis for all phases of the training process and includes certification procedures, training and assessments, record keeping, and document management.

Single copy price: Free

Access at http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/ Send comments to: asb@aafs.org

BSR/UL 60947-1-202x, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 1: General Rules (national adoption with modifications of IEC 60947-1)

This proposal provides revisions to Low-Voltage Switchgear and Controlgear - Part 1: General Rules, UL 60947-1, to harmonize with IEC 60947-1. These revisions include:

(1) Update to the existing IEC 60947-1 text;

(2) Removal of existing U.S. National Differences to promote further harmonization with IEC 60947-1; and (3) Inclusion of additional requirements from existing UL standards as new National Differences to ensure

consistent application of requirements across related UL standards.

Single copy price: Contact Comm 2000 for pricing and delivery options

Obtain an electronic copy from: <u>https://csds.ul.com/Home/ProposalsDefault.aspx</u>

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

BSR/UL 60947-4-1-202x, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 4-1: Contactors and Motor-Starters - Electromechanical Contactors and Motor-Starters (national adoption with modifications of IEC 60947-4-1)

This proposal provides revisions to UL 60947-4-1 to harmonize with IEC 60947-4-1 including Amendment 1. These revisions include:

(1) Update to the existing IEC 60947-4-1 text;

(2) Removal of existing U.S. National Differences to promote further harmonization with IEC 60947-4-1; and
(3) Inclusion of additional requirements from existing UL standards as new National Differences to ensure consistent application of requirements across related UL standards.

Single copy price: Contact Comm 2000 for pricing and delivery options

Obtain an electronic copy from: <u>https://csds.ul.com/Home/ProposalsDefault.aspx</u>

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

BSR/UL 60947-4-2-202x, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 4-2: Contactors and Motor-Starters - AC Semiconductor Motor Controllers and Starters (national adoption with modifications of IEC 60947-4-2)

This proposal provides revisions to UL 60947-4-2 to harmonize with IEC 60947-4-2. These revisions include: (1) Update to the existing IEC 60947-4-2 text;

(2) Removal of existing U.S. National Differences to promote further harmonization with IEC 60947-4-2; and

(3) Inclusion of additional requirements from existing UL standards as new National Differences to ensure consistent application of requirements across related UL standards.

Single copy price: Contact Comm 2000 for pricing and delivery options

Obtain an electronic copy from: <u>https://csds.ul.com/Home/ProposalsDefault.aspx</u>

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

Due 30 June 2020

BSR/ASME B30.26-2015 (R202x), Rigging Hardware (reaffirmation of ANSI/ASME B30.26-2015) Volume B30.26 includes provisions that apply to the construction, installation, operation, inspection, and maintenance of detachable rigging hardware used for load-handling activities in conjunction with equipment described in other volumes of the B30 Standard. This hardware includes shackles, links, rings, swivels, turnbuckles, eyebolts, hoist rings, wire rope clips, wedge sockets, rigging blocks, and load-indicating devices. Single copy price: \$55.00

Order from: <u>https://cstools.asme.org/csconnect/PublicReviewPage.cfm</u> Send comments to: Kathleen Peterson, <u>petersonk@asme.org</u>

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 the project, (b) object to the project and wish it to be abandoned, or (c) if you would like to point out that its scope is covered by an existing standard, thereby possibly making the project redundant or conflicting.

BSR/ASSE Series 23000-202x, Professional Qualifications Standard for Cannabis Extractor Personnel (new standard)

This standard applies to the individuals who operate or inspect cannabis extractor equipment. The purpose of this standard is to provide minimum performance criteria, identified by industry consensus, for operators to safely operate the equipment and inspectors to ensure compliance with the referenced standards and codes. Contact: Marianne Waickman, marianne.waickman@asse-plumbing.org

BSR/SAIA A92.2-202x, Standard for Vehicle-Mounted Elevating and Rotating Aerial Devices (revision of ANSI/SAIA A92.2-2015)

This standard relates to the following types of vehicle-mounted aerial devices: (1) Extensible boom aerial devices; (2) Aerial Ladders; (3) Articulating boom aerial devices; (4) Vertical towers; and (5) A combination of any of the above. The vehicle may be a truck, a trailer, or an all-terrain vehicle. Contact: DeAnna Martin, <u>deanna@saiaonline.org</u>

BSR/AIAA/ISO 21384-3-202x, Unmanned aircraft systems - Part 3: Operational procedures (identical national adoption of ISO 21384-3)

This international standard specifies the requirements for UAS operational procedures. Contact: Hillary Woehrle, <u>hillary@aiaa.org</u>

BSR/AVIXA F502.02-202x, Rack Design for AV Systems (new standard)

Addresses the holistic design requirements for an AV equipment rack. It details the requirements for collecting rack-design input information and the required design output documentation. While the standard includes requirements for some specific elements, it recognizes and accommodates the unique nature of each AV system's design.

Contact: Ann Brigida, abrigida@avixa.org

BSR E1.71-202x, Powered Curtain Machines (new standard)

Establishes requirements for the design, manufacture, installation, inspection, and maintenance of machines intended solely for the movement of curtains for performance, presentation, and theatrical production. These requirements would apply to machines that provide movement of fabric in any direction, irrespective of their mounting location. This standard does not apply to the structure to which the machine is attached, or to machines such as those used for fire-safety curtains or for performer flying, which are covered by other existing standards.

Contact: Richard Nix, standards@esta.org

BSR E1.72-202x, Stage Floor Machinery (new standard)

Establishes requirements for the design, manufacture, installation, inspection, operation, and maintenance of powered machinery used for movement of floors used in performance, presentation, and theatrical productions.

This document covers the machinery, mechanisms, machine safety devices, and control interface requirements for equipment and systems, installed permanently or temporarily. This standard does not apply to the structure to which the machine is attached, nor to the finished floor, including its subflooring construction. Contact: Richard Nix, standards@esta.org

BSR/IES RP-27.1-202x, Recommended Practice: UV Germicidal Irradiation (new standard) The recommended practice will provide greater details for all types of UV, metrics, and risk classifications, expanding upon the CR and referencing the fundamental document, ANSI/IES RP-27-20. Contact: Patricia McGillicuddy, <u>pmcgillicuddy@ies.org</u>

Final actions on American National Standards

The documents listed below have been approved by the ANSI Board of Standards Review or by an ANSI-Audited Designator on the date noted.

ANSI C82.77-1-2020, Standard for Lighting Equipment – Electromagnetic Compatibility (EMC) - General Requirements and Criteria (new standard): 1 May 2020

ANSI C82.77-9-2020, Standard for Lighting Equipment - Injected Currents (national adoption with modifications of IEC 61000-4-6 Edition 4 2013-10):4 May 2020

ANSI N42.42-2020, Standard Data Format for Radiation Detectors Used for Homeland Security (revision of ANSI N42.42-2012): 23 April 2020

ANSI/AASHTO/AWS D1.5M/D1.5-2020, Bridge Welding Code (revision of ANSI/AASHTO/AWS D1.5M/D1.5-2015, AMD 1): 24 April 2020

ANSI/ASSE 12080-2020, Professional Qualification Standard for Legionella Water Safety and Management Personnel (new standard): 23 April 2020

ANSI/BICSI 007-2020, Information Communication Technology Design and Implementation Practices for Intelligent Buildings and Premises (revision of ANSI/BICSI 007-2017): 4 May 2020

ANSI/IES LM-61-2020, Approved Method: Identifying Operating Factors for Installed High Intensity Discharge Luminaires (new standard): 21 April 2020

ANSI/IES LM-72-2020, Approved Method: Directional Positioning of Photometric Data (new standard): 21 April 2020

ANSI/IES LP-11-2020, Lighting Practice: Environmental Considerations for Outdoor Lighting (new standard): 21 April 2020

ANSI/IES LP-7-2020, Lighting Practice: The Lighting Design and Construction Process (new standard): 21 April 2020

ANSI/IES LS 1-2020, Nomenclature and Definitions for Illuminating Engineering (revision, redesignation and consolidation of ANSI/IES RP-16-2017, ANSI/IES RP-16-2017, Addendum 1-2018, ANSI/IES RP-16-2017, Addendum 2-2019, ANSI/IES RP-16-2017, Addendum 3-2019, ANSI/IES RP-16-2017, Addendum 4-2020): 24 April 2020

ANSI/IES LS-3-2020, Lighting Science: Physics and Optics of Radiant Power (new standard): 21 April 2020

ANSI/IES LS-6-2020, Lighting Science: Calculation of Light and Its Effects (new standard): 21 April 2020

ANSI/IES LS-8-2020, Lighting Science: Vision - Perceptions and Performance (new standard): 21 April 2020

ANSI/IES RP-10-2020, Recommended Practice: Lighting Common Applications (new standard): 21 April 2020

ANSI/IES RP-2-2020, Recommended Practice: Lighting Retail Spaces (new standard): 21 April 2020

ANSI/IES RP-27-2020, Recommended Practice: Photobiological Safety for Lighting Systems (revision, redesignation and consolidation of ANSI/IESNA RP-27.1-2015, ANSI/IESNA RP-27.2-2000 (R2010), ANSI/IES RP-27.3-2017): 21 April 2020

ANSI/IES RP-3-2020, Recommended Practice: Lighting Educational Facilities (revision of ANSI/IESNA RP-3-2013): 21 April 2020

ANSI/IES RP-31-2020, Recommended Practice: Economic Analysis of Lighting (new standard): 21 April 2020

ANSI/IES TM-26-2020, Technical Memorandum: Projecting Catastrophic Failure Rate of LED Packages (new standard): 21 April 2020

ANSI/IES TM-28-2020, Technical Memorandum: Projecting Long-Term Luminous Flux Maintenance of LED Lamps and Luminaires (new standard):21 April 2020

ANSI/IES/ALA RP-11-2020, Lighting for Interior and Exterior Residential Environments (revision of ANSI/IES/ALA RP-11-2017): 23 April 2020

ANSI/UL 8750-2020, Standard for Safety for Light Emitting Diode (LED) Equipment for Use in Lighting Products (revision of ANSI/UL 8750-2019): 28 April 2020

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 <u>czegers@ansi.org</u>. Comments from US citizens on ISO documents should be sent to Karen Hughes at <u>isot@ansi.org</u>. Any prices, if shown, are for purchases through ANSI. The sort order is by due date then alphanumeric.

121B/104/FDIS, IEC 61439-2 ED3: Low-voltage switchgear and controlgear assemblies - Part 2: Power switchgear and controlgear assemblies, 5 June 2020

SyCSmartCities/139/FDIS, IEC 63152 ED1: Smart Cities - City service continuity against disasters - The role of the electrical supply, 5 June 2020

122/92/CD, IEC 63042-102 ED1: UHV AC transmission systems - General system design, 19 June 2020

76/652/CD, IEC 62471-6 ED1: Photobiological Safety of Ultraviolet Lamp Products, 26 June 2020

77A/1077/FDIS, IEC 61000-3-2/AMD1 ED5: Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤16 A per phase), 12 June 2020

ISO/IEC DIS 29121, Information technology - Digitally recorded media for information interchange and storage - Data migration method for optical disks for long-term data storage, 13 July 2020, \$88.00

100/3429/NP, PNW 100-3429: RF cabling for two-way home networks with all-digital channels load, 17 July 2020

JTC1-SC25/2951/CD, ISO/IEC 11801-6/AMD1 ED1: Amendment 1 -Information technology - Generic cabling for customer premises - Part 6: Distributed building services, 17 July 2020

SyCSmartCities/140/NP, PNW TS SYCSMARTCITIES-140: Systems Reference Deliverable (SRD) Smart City Standards Inventory and Mapping - Part 4: Guidance on standards for public health emergencies, 17 July 2020

ISO/IEC DIS 15408-3, Information security, cybersecurity and privacy protection - Evaluation criteria for IT security - Part 3: Security assurance components, 19 July 2020, \$194.00

JTC1-SC25/2954/CD, ISO/IEC 11801-1/AMD1 ED1: Amendment 1 - Information technology - Generic cabling for customer premises - Part 1: General requirements, 24 July 2020

Recently published IEC & ISO documents

Listed here are documents recently approved by the IEC or ISO that may be of use or interest to *Standards Watch* readers. Prices shown are from the <u>ANSI Webstore</u>.

IEC 60034-5 Ed. 5.0 en:2020, Rotating electrical machines - Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code) - Classification, \$164.00

S+ IEC 60034-5 Ed. 5.0 en:2020 (Redline version), Rotating electrical machines - Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code) – Classification, \$213.00

IEC 61784-2 Ed. 4.0 b:2019, Industrial communication networks - Profiles - Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC/IEEE 8802-3, \$410.00

IEC 62769-103-1 Ed. 2.0 b:2020, Field Device Integration (FDI) – Part 103-1: Profiles - PROFIBUS, \$235.00

S+ IEC 62769-103-1 Ed. 2.0 en:2020 (Redline version), Field Device Integration (FDI) - Part 103-1: Profiles - PROFIBUS, \$305.00

IEC 62769-103-4 Ed. 2.0 b:2020, Field Device Integration (FDI) – Part 103-4: Profiles - PROFINET, \$235.00

S+ IEC 62769-103-4 Ed. 2.0 en:2020 (Redline version)_, Field Device Integration (FDI) - Part 103-4: Profiles - PROFINET, \$305.00

IEC 62769-109-1 Ed. 2.0 b:2020, Field Devices Integration (FDI) – Part 109-1: Profiles - HART® and WirelessHART®, \$235.00

S+ IEC 62769-109-1 Ed. 2.0 en:2020 (Redline version), Field Devices Integration (FDI) - Part 109-1: Profiles - HART® and WirelessHART®, \$305.00

ISO 12480-3:2020, Cranes - Safe use - Part 3: Tower cranes, \$162.00

ISO 16484-5/Amd1:2020, Building automation and control systems (BACS) - Part 5: Data communication protocol - Amendment 1, \$68.00

ISO 23354:2020, Business requirements for end-to-end visibility of logistics flow, \$138.00

ISO/IEC 27009:2020, Information security, cybersecurity and privacy protection - Sector-specific application of ISO/IEC 27001 - Requirements, \$103.00

ISO/IEC Guide 76:2020, Development of service standards - Recommendations for addressing consumer issues, \$138.00

S+ IEC 61439-1 Ed. 3.0 en:2020 (Redline version), Low-voltage switchgear and controlgear assemblies - Part 1: General rules, \$534.00

TSP meeting schedule

All times are EDT, and all meetings will be via WebEx, not face-to-face.

10:00 – 13:00 EDT	Thursday 16 July 2020
14:00 – 17:00 EDT	Friday 17 July 2020
10:00 – 13:00 EDT	Friday 17 July 2020
14:00 – 16:00 EDT	Wednesday 15 July 2020
17:00 – 19:00 EDT	Wednesday 15 July 2020
14:00 – 16:00 EDT	Thursday 16 July 2020
17:00 – 20:00 EDT	Thursday 16 July 2020
10:00 – 13:00 EDT	Wednesday 15 July 2020
14:00 – 16:00 EDT	Tuesday 14 July 2020
11:00 – 13:00 EDT	Tuesday 14 July 2020
11:00 – 14:00 EDT	Monday 20 July 2020
	14:00 - 17:00 EDT 10:00 - 13:00 EDT 14:00 - 16:00 EDT 17:00 - 19:00 EDT 14:00 - 16:00 EDT 17:00 - 20:00 EDT 10:00 - 13:00 EDT 14:00 - 16:00 EDT 11:00 - 13:00 EDT

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, Technical Standards Manager Entertainment Services and Technology Association 630 Ninth Avenue, Suite 609 New York, NY 10036 USA <u>karl.ruling@esta.org</u> 1 212 244 1505 ext. 703 Richard Nix, Asst. Technical Standards Manager Entertainment Services and Technology Association 630 Ninth Avenue, Suite 609 New York, NY 10036 USA richard.nix@esta.org 1 212 244 1505 ext. 649

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.

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

VISIONARY LEADERS (\$50,000 & up) ETC	PLASA	ProSight Specialty Insurance
VISIONARY (\$10,000 & up; >100 employees/members) Chauvet Professional Cisco Columbus McKinnon Entertainment Technology	Robe Disney Parks Live Entertainment	
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 F 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 Produc Link John T. McGraw Mike Garl Consu Mike Wood Cons Reed Rigging Reliable Design Alan Rowe Sapsis Rigging I Dana Taylor Steve Terry Vertigo Steve A. Walker WNP Services	ulting sulting Services nc.
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 American Society of Theatre Consultants BMI Supply City Theatrical Inc. H&H Specialties, Inc.) InterAmerica Sta Lycian Stage Lig Morpheus Lights Niscon Inc.	Inting
INVESTOR (\$200–\$499; <20 employees/members) Bruce Darden Guangzhou Color Imagination LED Lighting Kenney Drapery Associates, Inc. Indianapolis Stage Sales & Rentals, Inc. L1 Inc.	Lighting Infusion Mediam Sp. zo.c Nanyi Audio & Li Qdot Lighting Lte Show Light Oy	o. ighting Enterprise Co., Ltd.

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. lan Foulds, IATSE Local 873 General Lighting Electronic Co. Ltd. Guangzhou YaFeng Optoelectronic Equipment Co. Guangzhou Yilaiming Photoelectric Technology Co., Ltd. HAYA Light Equipment Ltd. Co. High Output InCord Intella Systems Co., Ltd. iWeiss LA ProPoint, Inc. Moss LED Inc. **SUPPORTER** (\$50 - \$199; <20 employees/members)
- Capture Visualisation AB Clik Systems DMX Pro Sales Foshan Leiyuan Photoelectric Co. Ltd. Jack Gallagher Tony Giovannetti Pat Grenfell Beverly and Tom Inglesby Eddie Kramer Jason Kyle
- Movecat GmbH 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 Zhuhai Shengchang Electronics Co.
- LuxBalance Lighting Tyrone Mellon, Jr. Orange Pi DMX Lizz Pittsley Michael Skinner Studio T+L Terrier Marketing Stephen Vanciel Arjan van Vught

Extraordinary legacy gift: Ken Vannice