



Technical Standards Program

ESTA Standards Watch

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PERG Safe Return to Work Guidelines in review until June 9

The *PERG Safe Return to Work Guidelines*, v1.0, is a guidance document outlining measures to prevent the spread of coronavirus for camera and lighting equipment rental operations, facilities that rent sound stages, and for trucks and vehicles used by rental companies. The PERG Task Group applied the recommendations of the CDC, OSHA, and public health officials to rental operations, equipment, and facilities.

The *PERG Safe Return to Work Guidelines* can be downloaded from <https://my.esta.org/perg-reopening-guidance>. It is a complete document, but it is being offered as a draft for public review and comments to help assure that it provides the best practical advice possible at this time. The download is a ZIP file that includes the public review form.

June 9 is soon. Check it out immediately, if not sooner!

Three draft TSP standards in public review

Three draft TSP 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 https://tsp.esta.org/tsp/documents/public_review_docs.php!

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, 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 <http://www.eventsafetyalliance.org/esa-reopening-guide>. 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.

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/1620

Date issued: 14 May 2020

Agency responsible: Environmental Protection Agency (EPA)

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Heavy-duty engines and vehicles; Spark-ignition reciprocating or rotary internal combustion piston engines (HS 8407); Compression-ignition internal combustion piston engines (diesel or semi-diesel engines) (HS 8408); Motor vehicles for the transport of ten or more persons, including the driver (HS 8702); Motor cars and other motor vehicles principally designed for the transport of persons (other than those of heading 87.02), including station wagons and racing cars (HS 8703); Motor vehicles for the transport of goods (HS 8704); Special purpose motor vehicles, other than those principally designed for the transport of persons or goods (for example, breakdown lorries (wreckers), crane lorries (mobile cranes), fire fighting vehicles, concrete mixer lorries (concrete-mixers), road sweeper lorries (road sweepers), spraying lorries (spraying vehicles), mobile workshops, mobile radiological units) (HS 8705)

Title: Improvements for Heavy-Duty Engine and Vehicle Test Procedures, and Other Technical Amendments (222 pages in English)

Description of content: Proposed rule - The Environmental Protection Agency (EPA) is proposing changes to the test procedures for heavy-duty engines and vehicles to improve accuracy and reduce testing burden. EPA is also proposing other regulatory amendments concerning light-duty vehicles, heavy-duty vehicles, highway motorcycles, locomotives, marine engines, other nonroad engines and vehicles, stationary engines. [Emphasis added.] These would affect the certification procedures for exhaust emission standards, and related requirements. EPA is proposing similar amendments for evaporative emission standards for nonroad equipment and portable fuel containers. These amendments would increase compliance flexibility, harmonize with other requirements, add clarity, correct errors, and streamline the regulations. Given the nature of the proposed changes, they would have neither significant environmental impacts nor significant economic impacts for any sector.

Objective and rationale: Protection of the environment; Quality requirements; Harmonization; Cost saving and productivity enhancement

Relevant documents: 85 Federal Register (FR) 28140, 12 May 2020; Title 40 Code of Federal Regulations (CFR) Parts 9, 59, 60, 85, 86, 88, 89, 90, 91, 92, 94, 1027, 1033, 1036, 1037, 1039, 1042, 1043, 1045, 1048, 1051, 1054, 1060, 1065, 1066, and 1068: <https://www.govinfo.gov/content/pkg/FR-2020-05-12/pdf/2020-05963.pdf>

The docket folder on Regulations.gov provides access to primary and supporting documents for this rulemaking as well as the comments received: <https://www.regulations.gov/docket?D=EPA-HQ-OAR-2019-0307>

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 26 June 2020

Full text: <https://www.govinfo.gov/content/pkg/FR-2020-05-12/pdf/2020-05963.pdf>

United States of America Notification USA/1622

Date issued: 15 May 2020

Agency responsible: Environmental Protection Agency (EPA)

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Fuels

Title: Fuels Regulatory Streamlining (129 pages in English)

Description of content: Proposed rule - This action proposes to update the Environmental Protection Agency's (EPA) existing gasoline, diesel, and other fuels programs to improve overall compliance assurance and maintain environmental performance, while reducing compliance costs for industry and EPA. EPA is proposing to streamline its existing fuel quality regulations by removing expired provisions, eliminating redundant compliance provisions (e.g., duplicative registration requirements that are required by every EPA fuels program), removing unnecessary and out-of-date requirements, and replacing them with a single set of provisions and definitions that will apply across all gasoline, diesel, and other fuels programs that EPA currently regulates. This action does not propose to change the stringency of the existing fuel quality standards.

Objective and rationale: Protection of the environment; Quality requirements; Cost saving and productivity enhancement

Relevant documents: 85 Federal Register (FR) 29034, 14 May 2020; Title 40 Code of Federal Regulations (CFR) Parts 79, 80, 86, 1037 and 1090: <https://www.govinfo.gov/content/pkg/FR-2020-05-14/pdf/2020-09337.pdf>

The docket folder on Regulations.gov provides access to primary and supporting documents for this rulemaking: <https://www.regulations.gov/docket?D=EPA-HQ-OAR-2018-0227>.

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 29 June 2020

Full text: <https://www.govinfo.gov/content/pkg/FR-2020-05-14/pdf/2020-09337.pdf>

[It's interesting reading. In counting how much benzene and sulfur are in gasoline, a manufacturer would be able to consider dilutants that might be added later in the supply chain, thus lowering the reported benzene and sulfur content. Gasoline that might go into an E75 winter fuel blend could be reported as having 75% less benzene and sulfur than is actually in the gasoline.]

Bahrain, Kingdom of Notification BHR/576

Date issued: 14 May 2020

Agency responsible: Ministry of Industry, Commerce & Tourism (MOIC)

National inquiry point: Bahrain Standards and Metrology Directorate (BSMD)

Products covered: Electrical Motor Vehicles

Title: Electric Vehicles Technical Regulation (24 pages in English)

Description of content: This regulation is concerned with the general requirements for electrical motor vehicles; these requirements are applicable to electrical vehicles, with maximum GVW less than 3500 kg and a maximum design speed exceeding 25 km/h.

Objective and rationale: Stating the requirements for approving the electrical motor vehicles, in matter of safety, charging and performance aspects to and to avoid/reduce the probability of accidents.

Relevant documents: Draft GSO Technical Regulation "Electric Vehicles Technical Regulation"

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 13 July 2020

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/BHR/full_text/pdf/BHR576\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/BHR/full_text/pdf/BHR576(english).pdf)

Canada Notification CAN/612

Date issued: 18 May 2020

Agency responsible: Department of Innovation, Sciences and Economic Development

National inquiry point: Foreign Affairs, Trade and Development Canada

Products covered: Radiocommunications

Title: RSS-192, Issue 4 (7 pages available in English and French)

Description of content: Notice is hereby given by the Ministry of Innovation, Science and Economic Development Canada that the following has been published at

<http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf01942.html>:

- RSS-192, Issue 4, Flexible Use Broadband Equipment Operating in the Band 3450-3650 MHz, sets out certification requirements for flexible use broadband equipment used in fixed and/or mobile services operating in the frequency band 3450-3650 MHz.

Objective and rationale: Effective spectrum management

Relevant documents: Not applicable

Proposed date of adoption: 14 May 2020

Proposed date of entry into force: 14 May 2020

Final date for comments: 23 July 2020

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN612\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN612(english).pdf)

United States of America Notification USA/1621

Date issued: 14 May 2020

Agency responsible: Environmental Protection Agency (EPA)

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Vehicle tailpipe emission testing procedures; Spark-ignition reciprocating or rotary internal combustion piston engines (HS 8407); Compression-ignition internal combustion piston engines (diesel or semi-diesel engines) (HS 8408); Motor vehicles for the transport of ten or more persons, including

the driver (HS 8702); Motor cars and other motor vehicles principally designed for the transport of persons (other than those of heading 87.02), including station wagons and racing cars (HS 8703); Motor vehicles for the transport of goods (HS 8704); Special purpose motor vehicles, other than those principally designed for the transport of persons or goods (for example, breakdown lorries (wreckers), crane lorries (mobile cranes), fire fighting vehicles, concrete mixer lorries (concrete-mixers), road sweeper lorries (road sweepers), spraying lorries (spraying vehicles), mobile workshops, mobile radiological units) (HS 8705)

Title: Vehicle Test Procedure Adjustments for Tier 3 Certification Test Fuel (23 pages in English)

Description of content: Notice of proposed rulemaking - The Environmental Protection Agency (EPA) is proposing to make adjustments to certain laboratory tailpipe emission testing procedures for automobiles, light trucks, and heavy-duty pickup trucks and vans as the result of a test fuel change that was finalized as a part of EPA's 2014 Tier 3 vehicle emissions rule. In that rule, EPA changed its laboratory test fuel to be more similar to typical gasoline currently in use. In the Tier 3 Final Rulemaking, EPA required vehicle manufacturers to perform greenhouse gas (GHG) and CAFE fuel economy testing on the new Tier 3 test fuel, beginning for model year 2020 and later vehicles. Changes to the fuel used for emissions testing can result in a change in emission results on the tests. When we adopted the Tier 3 test fuel, we indicated that we intended to undertake rulemaking to re-align test results from GHG and CAFE fuel economy testing on the new Tier 3 test fuel so they are consistent with test results from testing on the original Tier 2 test fuel, in order to avoid an effective change in the stringency of the GHG and CAFE standards. Specifically, EPA is now proposing adjustment factors to apply to both vehicle GHG and fuel economy test results for the GHG and CAFE programs and the Fuel Economy and Environment Label. In addition, we propose that the shift to required use of the new fuel for all vehicle testing be phased in through Model Year 2024, but required in Model Year 2025. Because the purpose of the rule is simply to realign testing results in response to the test fuel change, there would be no significant costs associated with the proposed action.

Objective and rationale: Protection of the environment; Quality requirements; Harmonization; Cost saving and productivity enhancement

Relevant documents: 85 Federal Register (FR) 28564, 13 May 2020; Title 40 Code of Federal Regulations (CFR) Parts 86 and 600: <https://www.govinfo.gov/content/pkg/FR-2020-05-13/pdf/2020-07202.pdf> G/TBT/N/USA/811 and subsequent addenda and corrigendum

The docket folder on Regulations.gov provides access to primary and supporting documents for this rulemaking: <https://www.regulations.gov/docket?D=EPA-HQ-OAR-2016-0604>.

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 11 August 2020

Full text: <https://www.govinfo.gov/content/pkg/FR-2020-05-13/pdf/2020-07202.pdf>

Switzerland Notification CHE/247

Date issued: 15 May 2020

Agency responsible: Federal Office for Communications

National inquiry point: Swiss Association for Standardization (SNV)

Products covered: Telecommunication equipment, radio equipment and telecommunication terminal equipment

Title: Draft revision of the Ordinance of the Swiss Federal Office of Communications on telecommunications installations (OOIT) (2 pages in German; 2 pages in French; 2 pages in Italian)

Description of content: The Ordinance of the Swiss Federal Office of Communications on telecommunications installations (OOIT) specifies the basic technical requirements with regard to telecommunications installations set out by the Swiss Federal Council. It regulates the use of radio interfaces in Switzerland. Due to the amendments of ERC/REC 70-03 Annex 1 (Edition of June 2019), the RIR1008-21, RIR1008-24, RIR1008-25, RIR1008-28, RIR1008-29 will be deleted on 01.09.2020 and will no longer be referenced in the Swiss national frequency allocation plan 2021.

Due to the amendments of ERC/REC 70-03 Annex 1 (Edition of June 2019), the restriction on the use of video applications will be removed for RIR1008-04, RIR1008-06, RIR1008-09. Due to the amendments of ERC/REC 70-03 Annex 1 (Edition of June 2019), the restrictions on use for audio and video applications will be removed for RIR1008-27.

Due to the amendments of ERC/REC 70-03 Annex 1 (Edition of June 2019), for the RIR1008-20 and RIR1008-22, the requirements regarding the channel access and occupation rules will be changed.

Due to the amendments of ERC/REC 70-03 Annex 1 (Edition of June 2019), for radio equipment covered by the RIR1008-30, the requirements regarding the channel access and occupation rules will be changed and the restrictions regarding analogue audio applications, analogue video applications, channelling and occupied bandwidth will be removed. For the RIR1011-07 and RIR1011-08 the specific interrogator and tag response bands will be adapted in order to be in line with the ERC/REC 07-03 and the applicable harmonized standard EN 302 208.

For the RIR0201-35 that applies to DAB/DAB+ In-House low power Repeaters a new limit for the maximum radiated power applicable especially to full-band repeaters will be introduced and its limit value will be -5.15 dBm ERP.

The Technical Standard NT-3003 V2.0.0 that applies to DAB/DAB+ In-House low power Repeaters has been reviewed and adapted. A new limit for the maximum radiated power applicable especially to full-band repeaters will be introduced and its limit value will be -5.15 dBm ERP.

Objective and rationale: The OOIT has to be updated to follow the latest frequency management in Europe and to introduce improvements for DAB/DAB+ low power repeaters.

Relevant documents:

- Radio Interface Regulation (RIR) (to be abrogated): RIR1008-21, RIR1008-24, RIR1008-25, RIR1008-28, RIR1008-29,
- Radio Interface Regulation (RIR) (to be amended): RIR0201-35, RIR1008-04, RIR1008-06, RIR1008-09, RIR1008-20, RIR1008-22, RIR1008-27, RIR1008-30, RIR1011-07, RIR1011-08
- Link to all DRAFT RIR: <https://www.ofcomnet.ch/#/rirs/drafts>
- Draft Technical Standard NT-3003 V2.0.0, 17 pages in English (to be amended): see attachment
- Ordinance of 26 May 2016 of the Swiss Federal Office of Communications on telecommunications installations (OOIT; RS 784.101.21), available in French, German and Italian.

Proposed date of adoption: 1 September 2020

Proposed date of entry into force: 1 September 2020

Final date for comments: 20 August 2020

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/CHE/full_text/pdf/CHE247\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CHE/full_text/pdf/CHE247(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 psa@ansi.org.

Due 29 June 2020

BSR/ASSP A10.5-202x, Safety Requirements for Material Hoists (revision of ANSI/ASSP A10.5 2013)

This standard applies to material hoists used to raise or lower materials during construction, alteration, or demolition. It is not applicable to the temporary use of permanently installed personnel elevators as material hoists.

Single copy price: \$110.00

Order from and send comments to: Lauren Bauerschmidt, LBauerschmidt@assp.org

BSR/ASSP Z117.1-202X, Safety Requirements for Entering Confined Spaces (revision and redesignation of ANSI ASSE Z117.1-2016)

This standard provides minimum safety requirements to be followed while entering, exiting, and working in confined spaces at ambient atmospheric pressure. [If you are storing dry ice in a room, it may qualify as a confined space.]

Single copy price: \$110.00

Order from and send comments to: omunteanu@assp.org

BSR/ISEA 107-202x, High-Visibility Safety Apparel (revision of ANSI/ISEA 107-2015)

This standard specifies performance requirements for high-visibility safety apparel intended to provide conspicuity to the occupational wearer. Performance requirements are included for color, retroreflection, physical properties and minimum areas of background, retroreflective and combined-performance materials, as well as the configuration and visible material amounts required for the designated class of apparel. Test methods are provided in the standard to ensure that a minimum level of visibility is maintained when garments are subjected to ongoing care procedures.

Single copy price: \$60.00

Obtain an electronic copy from: www.safetyequipment.org/resources/shop

Send comments to: cfargo@safetyequipment.org

BSR/NECA 411-202X, Installing and Maintaining Uninterruptible Power Supplies (revision of ANSI/NECA 411-2014)

This standard describes installation and maintenance procedures for permanently installed, static, three-phase Uninterruptible Power Supplies (UPSs) rated 30 kVA or more and rated 600 Volts or less, and related battery systems installed indoors or outdoors for commercial and industrial applications.

Single copy price: \$25.00 (NECA Members), \$55.00 (Non-members)

Order from and send comments to: Aga Golriz, Aga.golriz@necanet.org

Due 6 July 2020

BSR/ASA S1.13-202x, Measurement of Sound Pressure Levels in the Air (new standard)

This standard specifies requirements and describes procedures for the measurement of sound pressure levels in air at a single point in space. These requirements and procedures apply primarily to measurements performed indoors but may be utilized in outdoor measurements under specified conditions. This is a standard applicable to a wide range of measurements and to sounds that may differ widely in temporal and spectral characteristics; more specific American National Standards complement its requirements. This standard applies only to the measurement of continuous sounds, those whose duration is 1 second or greater and does not apply to the measurement of impulsive sounds whose duration is less than 1 second.

Single copy price: \$143.00

Order from and send comments to: standards@acousticalsociety.org

BSR/ASTM E119-202x, Test Methods for Fire Tests of Building Construction and Materials (revision of ANSI/ASTM E119-2019)

https://www.astm.org/ANSI_SA

Single copy price: Free!

Order from and send comments to: Laura Klineburger, accreditation@astm.org

BSR/AWS C3.9M/C3.9-202x, Specification for Resistance Brazing (new standard)

This specification provides the minimum fabrication, equipment, material, and process procedure requirements, as well as discontinuity limits for the resistance brazing of steels, copper, copper alloys, heat- and corrosion-resistant alloys, and other materials that can be adequately resistance brazed (the resistance brazing of aluminum alloys is addressed in AWS C3.7M/C3.7, Specification for Aluminum Brazing). This specification provides criteria for classifying resistance brazed joints based on loading and the consequences of failure and quality assurance criteria defining the limits of acceptability in each class. This specification defines acceptable resistance brazing equipment, materials, and procedures, as well as the required inspection for each class of joint.

Single copy price: \$26.00 (AWS Members); \$34.00 (Non-Members)

Order from and send comments to: Kevin Bulger, kbulger@aws.org

BSR/IKECA C10-202x, Standard for the Methodology for Cleaning Commercial Kitchen Exhaust Systems (revision of ANSI/IKECA C10-2016)

The commercial kitchen exhaust cleaning industry has relied on NFPA 96 Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations, which is developed and maintained by the Technical Committee on Venting Systems for Cooking Appliances of the National Fire Protection Association. The IKECA C10 standard addresses many of the areas that NFPA 96 does not cover as it pertains to the cleaning of kitchen exhaust ventilation and cooking systems.

Single copy price: \$20.00 (IKECA Members); \$30.00 (Non-Members)

Obtain an electronic copy from: <https://ikeca.site-ym.com/store/default.aspx>

Send comments to: sara@ikeca.org

BSR/NECA 702-202X, Recommended Practice for Maintaining Power Quality of Electrical Power Distribution Systems (new standard)

This publication describes recommended practice for identifying possible causes of electrical equipment misoperation due to poor power quality, and methods improving overall system quality and equipment operation. Single copy price: \$25.00 (NECA Members); \$55.00 (Non-Members)
Order from and send comments to: neis@necanet.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 19 July 2020

C22.2 NO.1691, Single pole locking-type separable connectors (new edition)

These requirements cover single pole locking-type separable attachment plugs, cord connectors, panel inlets, and panel outlets, adapters, and accessories, rated up to a maximum of 800 amperes and up to 600 volts ac or dc and not intended for connection or disconnection under load conditions. These devices are intended to provide power from feeders or branch circuits, or are for direct connection to feeders or branch circuits in accordance with the Canadian Electrical Code (CEC), Part I, C22.1, and the National Electrical Code (NEC), ANSI/NFPA-70 for the following applications:

CEC

Amusement parks, midways, carnivals, film and TV sets, TV remote broadcasting locations, traveling shows (Section 66) and similar venues and installations where such temporary connections could be used.

NEC

- a) Places of assembly (assembly occupancies) (Article 518)
 - b) Theaters, audience areas of motion picture and television studios, performance areas, and similar locations (Article 520)
 - c) Carnivals, circuses, fairs and similar events (Article 525)
 - d) Motion pictures and television studios and similar locations (Article 530)
 - e) Motion picture projection rooms (Article 540)
 - f) Temporary installations such as construction sites (Article 590)
-

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/ASME PTC 19.1.1-202x, Test Uncertainty: Example Applications and Calculations (new standard)

This document will illustrate the use of the terms and methods that are presented in the ASME PTC 19.1 standard for a variety of applications that require the analysis of uncertainties for measurements and test results. Example calculations for actual testing scenarios. Where applicable, the examples will demonstrate the Taylor Series Method and Monte Carlo Method for uncertainty propagation.

Contact: Terrell Henry, ansibox@asme.org

BSR/IES LM-UV-LEDs-202x, Approved Method: Electrical and Optical Measurements of Ultraviolet LEDs (new standard)

This document covers UV LED packages (defined in ANSI/IES RP-16-10) including those with multiple chips that only emit light within the 200 nm to 400 nm wavelength range. This document covers measurement under pulse operation as well as steady DC operation of UV LEDs, and in all cases, the thermal condition of UV LEDs refers to their junction temperature. The approved methods apply to laboratory measurements. The UV LEDs covered in this document are those that require a heat sink for their normal operation. This document provides uniform

test methods for operation of UV LEDs and test methods for optic measurements measurement of UV LEDs.
Contact: Patricia McGillicuddy, pmcgillicuddy@ies.org

BSR/IES LM-UV-LPM-202x, Approved Method: Electrical and Optical Measurements of Low-Pressure Mercury Discharge Lamps (new standard)

This Approved Method describes the procedures to be followed and the precautions to be observed in obtaining uniform and reproducible measurements of the electrical and ultraviolet characteristics of low-pressure mercury lamps under standard conditions with a 60 Hz, alternating current circuit, and under high-frequency conditions (reference high-frequency circuits are operated at 25 kHz) using integrating sphere, goniometers, or the Keitz method. The standard wavelength range for the purposes of this document is 200 nm to 400 nm.

Contact: Patricia McGillicuddy, pmcgillicuddy@ies.org

BSR/ASSP A10.38-202X, Basic Elements of an Employer's Program to Provide a Safe and Healthful Work Environment on Construction and Demolition Sites (revision and redesignation of ANSI/ASSE A10.38-2013)

This standard establishes the minimum elements of a program for protecting the safety and health of employees involved in construction and demolition activities.

Contact: Tim Fisher, TFisher@ASSP.org

BSR/ASSP Z10.0-202X, Occupational Health and Safety Management Systems (revision of ANSI/ASSP Z10.0-2019)

This standard defines minimum requirements for an occupational health and safety management system.

Contact: Tim Fisher, TFisher@ASSP.org

BSR/ASSP Z359.11-202X, Safety Requirements for Full Body Harnesses (revision and redesignation of ANSI/ASSE Z359.11-2014)

This standard establishes requirements for the performance, design, marking, qualification, instruction, training, test methods, inspection, use, maintenance, and removal from service of full body harnesses (FBH).

Contact: Ovidiu Munteanu, OMunteanu@ASSP.org

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

This standard establishes requirements for the design criteria, qualification testing (performance requirements), marking and instructions, user inspections, maintenance and storage, and removal from service of single anchor lifelines and fall arresters.

Contact: Ovidiu Munteanu, OMunteanu@ASSP.org

BSR/ICC 1400-202x, Standard for Remote Virtual Inspections (RVI) (new standard)

ICC is developing a comprehensive standard to provide guidance to the Authority Having Jurisdiction when implementing Remote Virtual Inspection (RVI) Programs. This standard will specifically address items related to the preparation and conduct of these types of inspections that view and discuss construction activities with others remotely.

Contact: Karl Aittaniemi, kaittaniemi@iccsafe.org

BSR/UL 4601-202x, Standard for Safety for Evaluation of Autonomous Unmanned Aerial Systems (new standard)

This project will build upon ANSI/UL 4600 while addressing needs unique to the unmanned aerial systems industry. This standard covers the safety principles and processes for evaluation of autonomous unmanned aerial systems, specifically their ability to perform their intended function either without human intervention or via teleoperation. The standard also covers the reliability of hardware and software necessary for machine learning, sensing of the operating environment, and other safety aspects of autonomy.

Contact: Jennifer Fields, jennifer.fields@ul.org

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/ASIS WVPI AA-2020, Workplace Violence and Active Assailant - Prevention, Intervention, and Response (revision and redesignation of ANSI ASIS/SHRM WVPI.1-2011): 7 May 2020

ANSI/BIFMA X5.4-2020, Public and Lounge Seating (revision of ANSI/BIFMA X5.4-2012): 14 May 2020

ANSI/SAIA A92.20-2020, Design, Calculations, Safety Requirements and Test Methods for Mobile Elevating Work Platforms (MEWPs) (revision of ANSI/SAIA A92.20-2018): 7 May 2020

ANSI/SAIA A92.22-2020, Safe Use of Mobile Elevating Work Platforms (MEWPs) (revision of ANSI/SAIA A92.22-2018): 7 May 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 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 by due date then alphanumeric.

76/654/DTR, IEC TR 62471-4 ED1: Photobiological Safety of Lamps and Lamp Systems - Part 4: Measuring Methods, 10 July 2020

76/655/CD, IEC 60825-12 ED3: Safety of laser products - Part 12: Safety of free space optical communication systems used for transmission of information, 10 July 2020

ISO/IEC/IEEE DIS 29119-2, Software and systems engineering - Software testing - Part 2: Test processes, 12 July 2020, \$119.00

ISO/IEC/IEEE DIS 29119-3, Software and systems engineering - Software testing - Part 3: Test documentation, 12 July 2020, \$146.00

ISO/IEC DIS 26580, Software and systems engineering - Methods and tools for the feature-based approach to software and systems product line engineering, 31 July 2020, \$119.00

ISO/IEC FDIS 23008-2/DAMd2, Information technology – High efficiency coding and media delivery in heterogeneous environments - Part 2: High efficiency video coding - Amendment 2: Main 10 still picture profile, 3 August 2020, \$46.00

77A/1075/CDV, IEC 61000-3-3/AMD2 ED3: Amendment 2 - Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection, 7 August 2020

ISO/IEC/IEEE DIS 29119-4, Software and systems engineering - Software testing - Part 4: Test techniques, 3 August 2020, \$175.00

JTC1-SC41/154/CDV, ISO/IEC 30163 ED1: Internet of Things (IoT) - System requirements of IoT/SN technology-based integrated platform for chattel asset monitoring, 7 August 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 [ANSI Webstore](#).

IEC/TR 61000-1-1 Ed. 1.0 b:1992, Electromagnetic compatibility (EMC) - Part 1: General - Section 1: Application and interpretation of fundamental definitions and terms, \$199.00

ISO 9241-394:2020, Ergonomics of human-system interaction – Part 394: Ergonomic requirements for reducing undesirable biomedical effects of visually induced motion sickness during watching electronic images, \$138.00

ISO/IEC 10779:2020, Information technology - Office equipment - Accessibility guidelines for older persons and persons with disabilities, \$138.00

ISO/IEC TR 23613:2020, Information technology - Cloud computing - Cloud service metering elements and billing modes, \$68.00

TSP meeting schedule

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

Control Protocols Working Group	10:00 – 13:00 EDT	Thursday 16 July 2020
Electrical Power Working Group	14:00 – 17:00 EDT	Friday 17 July 2020
Event Safety Working Group	10:00 – 13:00 EDT	Friday 17 July 2020
Floors Working Group	14:00 – 16:00 EDT	Wednesday 15 July 2020
Fog & Smoke Working Group	17:00 – 19:00 EDT	Wednesday 15 July 2020
Photometrics Working Group	14:00 – 16:00 EDT	Thursday 16 July 2020
Rigging Working Group	17:00 – 20:00 EDT	Thursday 16 July 2020
Stage Machinery Working Group	10:00 – 13:00 EDT	Wednesday 15 July 2020
Stage Machinery E1.6-4 Task Group	14:00 – 16:00 EDT	Tuesday 14 July 2020
Stage Machinery E1.64 Task Group	11:00 – 13:00 EDT	Tuesday 14 July 2020
Technical Standards Council	11:00 – 14:00 EDT	Monday 20 July 2020

The meetings in October are planned to be face-to-face at the Marriott Solana in Westlake, Texas. WebEx access will be available for those who can't attend in person. The meeting schedule is posted at <https://www.esta.org/ESTA/meetings.php>. The page also has a "Reserve a Hotel Room" link.

ESTA Standards Watch

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Editors:

Karl G. Ruling, Technical Standards Manager
Entertainment Services and Technology Association
630 Ninth Avenue, Suite 609
New York, NY 10036 USA
karl.ruling@esta.org
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

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