



# Technical Standards Program

## ESTA Standards Watch

September 2020

Volume 24, Number 17

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### A quintet of draft TSP standards in public review

Five draft TSP standards are posted for public review on ESTA's TSP website. Check'em out at [https://tsp.esta.org/tsp/documents/public\\_review\\_docs.php](https://tsp.esta.org/tsp/documents/public_review_docs.php)! Comments are due no later than the dates noted.

**BSR ES1.7, Event Safety - Weather Preparedness**, covers the consideration, development and use of event planning strategies that mitigate weather-related risks associated with live events, and with their associated temporary special event structures. Its scope includes both indoor and outdoor events, because each have considerations for the event participants. Its scope includes only public-access events, and private events where jurisdictional permits are required. Comments are due no later than 20 September.

**BSR E1.4-2, Entertainment Technology - Statically Suspended Rigging Systems**, is for dead-hung rigging systems permanently installed in performances spaces, places of assembly, and other areas used for entertainment purposes where not covered by other ANSI Entertainment Technology standards. This standard intends to establish minimum performance criteria, recommendations and guidelines that can be used for installation, use, maintenance and inspection purposes. Comments are due no later than 20 September.

**BSR E1.62, Minimum specifications for mass-produced portable platforms, ramps, stairs, and choral risers for live performance events**, is a product specification covering those portable units mentioned in the

title. It also covers railings provided as fall protection accessories for these units. It gives minimum payload and sideways force handling specifications. It does not cover custom platforms or complete stage systems. Comments are due before the end of the day 21 September.

**BSR E1.59, Entertainment Technology - Object Transform Protocol (OTP)**, describes a mechanism to transfer object transform information such as position, rotation and velocity over an IP network. It covers data format, data protocol, data addressing, and network management. It does not require real-world location or any association between multiple objects represented in the same message. Data transmitted is intended to coordinate visual and audio elements of a production and should not be used for safety critical applications. Comments are due no later than 12 October.

**ANSI E1.37-2 - 2015, Additional Message Sets for ANSI E1.20 (RDM) - Part 2, IPv4 & DNS Configuration Messages**, is being considered for reaffirmation as an American National Standard. It provides additional Get/Set parameter messages (PIDs) for use with the ANSI E1.20 Remote Device Management protocol. Messages in this document are for configuring network interfaces, routing information, and Domain Name System settings on devices with IPv4 addresses. Offer comments no later than 19 October.

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## **NIST requests feedback on four principles of explainable artificial intelligence**

The National Institute of Standards and Technology is seeking comments on its white paper, "Four Principles of Explainable Artificial Intelligence." The American National Standards Institute encourages stakeholders to submit feedback via NIST's [call for comments page](#) by the 15 October deadline.

NIST's paper presents four principles that capture the fundamental properties of explainable AI systems. Each of these principles is heavily influenced by an AI system's interaction with the human receiving the information. "The requirements of the given application, the task, and the consumer of the explanation will influence the type of explanation deemed appropriate," according to NIST. NIST explains its four principles are intended to capture a broad set of motivations, applications, and perspectives.

The Four Principles of Explainable AI:

- Explanation: Systems deliver accompanying evidence or reason(s) for all outputs.
- Meaningful: Systems provide explanations that are understandable to individual users.
- Explanation Accuracy: The explanation correctly reflects the system's process for generating the output.
- Knowledge Limits: The system only operates under conditions for which it was designed or when the system reaches a sufficient confidence in its output.

Read more about the four principles in [NIST's white paper](#).

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## **The Events Industry Forum offers updated COVID-19 guidance for England**

[Keeping workers and audiences safe during COVID-19 \(England\)](#) has been updated. The changes since the last revision are highlighted in the text. There is a lot of new information about where this guidance is or may be applicable, who should go to work (or not), face coverings, and more.

The guidance is flagged as being for England because different parts of the UK have different rules for what can or cannot be done. However, most of the advice is simply good advice, and good advice does not stop at a border.

Please note that the guidance is subject to change and will be changed soon to adapt to changing UK regulations. Jim Winship, the secretary for The Events Industry Forum, sent out a notice on September 10, announcing another update of the guidance document soon. The notice states:

*To clarify the situation following the Prime Minister's announcement about new restrictions on groups of people getting together, this relates to gatherings of groups within an event, it does not apply to the numbers allowed to attend an event which, as set out in the EIF/DCMS guidance, should be established by risk assessment.*

*Under the new regulations announced this week, groups from more than one household are limited to six and organisers should take this into account in their risk assessments and do all they can to ensure they stay in separate groups.*

*Please also be aware that [Track & Trace](#) will become a legal requirement from next Friday (18th September).*

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## 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/1639, addendum

**Date issued:** 1 September 2020

**Agency responsible:** Office of Energy Efficiency and Renewable Energy (OEERE)

**National inquiry point:** USA WTO TBT Enquiry Point

**Products covered:** Showerheads

**Title:** Energy Conservation Program: Test Procedure for Showerheads (14 pages in English)

**Description of content:** United States of America Notification USA/1639/USA (USA/1639)

The comment period is extended from 13 August to 30 September 2020

The *Federal Register* notice about this addendum is available at <https://www.govinfo.gov/content/pkg/FR-2020-08-31/pdf/2020-19015.pdf>. Besides noting the extended comment period, the *Federal Register* notice published on Monday, August 31, announced a public webinar to be held three days later, on Thursday, September 3. The WTO TBT announcement was filed on September 1, giving interested parties seeing that notice two days to plan to attend the webinar. You now have until September 30 to comment on this proposal to relax water consumption limits by redefining "showerhead."

### Brazil Notification BRA/1077

**Date issued:** 3 September 2020

**Agency responsible:** National Institute of Metrology, Standardization and Industrial Quality (INMETRO)

**National inquiry point:** TBT/WTO Enquiry Point (INMETRO)

**Products covered:** Tacit approval for the public acts of release of Inmetro's responsibility

**Title:** Inmetro Ordinance 35, 29 January 2020 (2 pages in Portuguese)

**Description of content:** This Ordinance establishes the deadlines for the purposes of tacit approval for the public acts of release of responsibility of Inmetro, as provided in the caput of art. 10 of Decree No. 10.178, 18 December 2019.

**Objective and rationale:** To provide the criteria and procedures for the classification of risk of economic activity and to set the deadline for tacit approval In accordance with paragraph 6 of Article 1 of Law No. 13.874 of 20 September 2019, public acts of release are the license, authorization, grant, registration, permission, license, registration, accreditation, study, plan, registration and other acts required, under any denomination, by public administration body or entity in the application of legislation, condition for the exercise of economic activity, including the beginning, the continuation and purpose for installation, construction, operation, production, operation, use, exercise or carrying out, in the public or private sphere, activity, service, establishment, profession, installation, operation, product, equipment, vehicle, building and others. Decree No. 10.178 of 18 December 2019, which regulates provisions of Law No. 13.874 of 20 September 2019, to provide for the criteria and procedures for the classification of risk of economic activity and to set the deadline for tacit approval, and amends Decree No. 9.094 of 17 July 2017, to include elements in the Letter of Services to the customer. Inmetro requires public acts of release for the exercise of economic activities.; Other

**Relevant documents:** 1) Brazilian Official Gazette 22 on 31 January 2020, section 1, page 94  
2) Law No. 13.874, 20 September 2019 3) Decree No. 10.178 of December 18, 2019 4) Not stated

<https://www.in.gov.br/web/dou/-/portaria-n-35-de-29-de-janeiro-de-2020-240821826>

[http://www.planalto.gov.br/ccivil\\_03/\\_ato2019-2022/2019/lei/L13874.htm](http://www.planalto.gov.br/ccivil_03/_ato2019-2022/2019/lei/L13874.htm)

[http://www.planalto.gov.br/ccivil\\_03/\\_ato2019-2022/2019/decreto/D10178.htm](http://www.planalto.gov.br/ccivil_03/_ato2019-2022/2019/decreto/D10178.htm)

**Proposed date of adoption:** 1 February 2020

**Proposed date of entry into force:** 1 February 2020

**Final date for comments:** Not given by country

#### **Brazil Notification BRA/1066**

**Date issued:** 1 September 2020

**Agency responsible:** National Institute of Metrology, Standardization and Industrial Quality (INMETRO) ; National Telecommunications Agency – ANATEL

**National inquiry point:** TBT/WTO Enquiry Point (INMETRO)

**Products covered:** Turntables (record-decks), record-players, cassette-players and other sound reproducing apparatus, not incorporating a sound recording device (HS 8519)

**Title:** Resolution No. 733, 11 August 2020. (1 page in Portuguese)

**Description of content:** This Resolution approves the allocation of radio frequency bands from 1,980 MHz to 2,010 MHz and from 2,170 MHz to 2,200 MHz to Personal Mobile Service - SMP, Fixed Switched Telephone Service - STFC, Multimedia Communication Service - SCM, Private Limited Service - SLP and Global Mobile Satellite Service – SMGS.

**Objective and rationale:** To assign to the Personal Mobile Service (SMP), the Private Limited Service (SLP) and the Global Mobile Satellite Service (SMGS), on a primary basis, without exclusivity, the radio frequency sub-band from 1,980 MHz to 1,990 MHz.; Quality requirements

**Relevant documents:** (01) Brazilian Official Gazette 154, 12 August 2020, section 1, page 154

(02) Law No. 9,472, of 1997; Public Consultation No. 19, 31 July 2017; Public Consultation No. 15, 29 April

2019; SEI Process nº 53500.015486/2016-81 [http://www.planalto.gov.br/ccivil\\_03/leis/l9472.htm](http://www.planalto.gov.br/ccivil_03/leis/l9472.htm)

[https://sistemas.anatel.gov.br/SACP/Contribuicoes/TextoConsulta.asp?](https://sistemas.anatel.gov.br/SACP/Contribuicoes/TextoConsulta.asp?CodProcesso=C1278&Tipo=1&Opcao=finalizadas)

[https://sistemas.anatel.gov.br/SACP/Contribuicoes/TextoConsulta.asp?](https://sistemas.anatel.gov.br/SACP/Contribuicoes/TextoConsulta.asp?CodProcesso=C1163&Tipo=1&Opcao=finalizadas)

[https://sistemas.anatel.gov.br/SACP/Contribuicoes/TextoConsulta.asp?](https://sistemas.anatel.gov.br/SACP/Contribuicoes/TextoConsulta.asp?CodProcesso=C1163&Tipo=1&Opcao=finalizadas)

[https://sei.anatel.gov.br/sei/modulos/pesquisa/md\\_pesq\\_processo\\_exibir.php?](https://sei.anatel.gov.br/sei/modulos/pesquisa/md_pesq_processo_exibir.php?5gYoR1KAsC6DjRCbPhmMOOVg9zRBSU6KM_dMM2dffV6uXABkpM3AC_FvsJjJLZawJGpS7XJ2Cix36pBUfTFiDaO_NFJCyM1r5zgK63s0hj6kD1lxvMCcj)

[5gYoR1KAsC6DjRCbPhmMOOVg9zRBSU6KM\\_dMM2dffV6uXABkpM3AC\\_FvsJjJLZawJGpS7XJ2Cix36pBU](https://sei.anatel.gov.br/sei/modulos/pesquisa/md_pesq_processo_exibir.php?5gYoR1KAsC6DjRCbPhmMOOVg9zRBSU6KM_dMM2dffV6uXABkpM3AC_FvsJjJLZawJGpS7XJ2Cix36pBUfTFiDaO_NFJCyM1r5zgK63s0hj6kD1lxvMCcj)

[fTFiDaO\\_NFJCyM1r5zgK63s0hj6kD1lxvMCcj](https://sei.anatel.gov.br/sei/modulos/pesquisa/md_pesq_processo_exibir.php?5gYoR1KAsC6DjRCbPhmMOOVg9zRBSU6KM_dMM2dffV6uXABkpM3AC_FvsJjJLZawJGpS7XJ2Cix36pBUfTFiDaO_NFJCyM1r5zgK63s0hj6kD1lxvMCcj)

**Proposed date of adoption:** 1 September 2020

**Proposed date of entry into force:** 1 September 2020

**Final date for comments:** Not given by country

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/BRA/full\\_text/pdf/BRA1066\(portuguese\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/BRA/full_text/pdf/BRA1066(portuguese).pdf)

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#### **ANSI and NFPA 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. If it is a BSR-designated document, also send your comments to ANSI's Board of Standards Review at [psa@ansi.org](mailto:psa@ansi.org).

##### **Due 14 October 2020**

##### **Proposed Tentative Interim Amendment (TIA) No. 1535, Reference: 210.70(A)(2)(4), for NFPA 70, National Electrical Code, 2020 edition**

Revise 210.70(A)(2)(4) to read as follows:

##### **210.70(A)(2) Additional Locations. ...**

(4) ~~Dimming of lighting outlets controlled installed in accordance with 210.70(A)(2)(3) shall not be controlled permitted by use of listed wall-mounted control devices unless they listed control devices provide the full range of dimming control at each control location specified in 210.70(A)(2)(3).~~

The proposal, with justification, and the public review comment response email link are available at

[https://www.nfpa.org/assets/files/AboutTheCodes/70/Proposed\\_TIA\\_1535\\_NFPA\\_70.pdf](https://www.nfpa.org/assets/files/AboutTheCodes/70/Proposed_TIA_1535_NFPA_70.pdf)

This is not a public review announced through ANSI. Comments are to be sent only to the Secretary of the NFPA Standards Council, not to ANSI's Board of Standards Review.

## Due 19 October 2020

### **BSR/UL 752-2006 (R202x), Standard for Safety for Bullet-Resisting Equipment** (reaffirmation of ANSI/UL 752-2006 (R2015))

UL proposes a reaffirmation for ANSI approval of UL 752-2006 (R2015). These requirements cover materials, devices, and fixtures used to form bullet-resisting barriers which protect against robbery, holdup, or armed attack such as those by snipers. This standard can also be used to determine the bullet resistance of building components that do not fit the definition of equipment, such as windows, walls, or barriers made out of bullet-resistant materials. As used in these requirements, the term "bullet-resisting" signifies that protection is provided against complete penetration, passage of fragments of projectiles, or spalling of the protective material to the degree that injury would be caused to a person standing behind the bullet-resisting barrier. These requirements also cover electrically operated equipment, such as teller's fixtures using electrically driven deal trays, and intercommunication or other electrical equipment that is an integral part of the bullet-resisting product.

Single copy price: Free

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

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## CSA public review announcements

The CSA Group has announced draft documents 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 16 September 2020

#### **CSA ISO 500084, Energy management systems — Guidance for the implementation, maintenance and improvement of an ISO 50001 energy management system** (new edition)

This document gives practical guidelines and examples for establishing, implementing, maintaining and improving an energy management system (EnMS) in accordance with the systematic approach of ISO 50001:2018. The guidance in this document is applicable to any organization. This document does not provide guidance on how to develop an integrated management system. While the guidance in this document is consistent with the requirements of ISO 50001:2018, it does not provide interpretations of those requirements.

### Due 1 October 2020

#### **CSA Z1008.1, The CSA Z1008 Implementation guideline — A practical guide to implementing the CSA Z1008 Standard** (new standard)

This guideline provides guidance on the requirements in CSA Z1008 for management of impairment in the workplace while providing specific guidance for impairment due to substance use, following occupational health and safety management system principles.

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## 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 Z245.2-202x, Equipment Technology and Operations for Wastes and Recyclable Materials - Stationary Compactors - Safety Requirements** (revision, redesignation and consolidation of ANSI Z245.2-2013 and ANSI Z245.21-2013)

This update is to bring consistency in terms and descriptions to the Z245.2 standard were applicable with the Z245.5 standard. An updated Z245.2 standard will allow for clarifications that may have arisen since publication in 2013. This standard is for the safety requirements for the design, construction, reconstruction, installation, modification, maintenance, repair, operation, and use of commercial compacting equipment used in apartment, institutional, commercial, and industrial locations, including transfer stations and recycling facilities. This standard combines ANSI Z245.2 and ANSI Z245.21-2013 along with bringing commonality with ANSI Z245.5 and ANSI Z245.51-2013 combined for simplicity and effectiveness. This standard does not apply to household compactor appliances.

Contact: Kirk Sander, [ksander@wasterecycling.org](mailto:ksander@wasterecycling.org)

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**BSR Z245.5-202x, Equipment Technology and Operations for Wastes and Recyclable Materials - Baling Equipment – Safety Requirements for Installation, Maintenance, Modification, Repair Operations**

(revision, redesignation and consolidation of ANSI Z245.5-2013 and ANSI Z245.51-2013)

This update is to bring consistency in terms and descriptions to the Z245.2 standard were applicable with the Z245.5 standard. An updated Z245.2 standard will allow for clarifications that may have arisen since publication in 2013. This standard is applicable to the safety requirements for the design and construction of commercial baling equipment commonly used in recycling, solid waste disposal, and raw materials handling. This standard combines ANSI Z245.5 and ANSI Z245.51-2013 along with bringing commonality with ANSI Z245.2 and ANSI Z245.21-2013 combined for simplicity and effectiveness. This standard brings commonality with ANSI Z245.2 for combined simplicity and effectiveness.

Contact: Kirk Sander, [ksander@wasterecycling.org](mailto:ksander@wasterecycling.org)

**BSR/NECA 406-202X, Standard for Installing and Maintaining Residential Generator Sets** (new standard)

This standard describes installation and maintenance procedures for residential generators fueled by gasoline, natural gas, or liquefied petroleum gas and permanently installed at one-family dwellings to provide backup power.

Contact: Lina Jariri, [lina.jariri@necanet.org](mailto:lina.jariri@necanet.org)

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**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/ASB BPR 068-2020**, Safe Handling of Firearms and Ammunition (new standard): 27 August 2020

**ANSI/ASHRAE/ICC/USGBC/IES Addendum be to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017**, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017): 18 August 2020

**ANSI/ASHRAE/ICC/USGBC/IES Addendum bf to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017**, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017): 18 August 2020

**ANSI/ASHRAE/ICC/USGBC/IES Addendum bg to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017**, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017): 18 August 2020

**ANSI/ASHRAE/ICC/USGBC/IES Addendum bn to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017**, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017): 18 August 2020

**ANSI/ASHRAE/ICC/USGBC/IES Addendum bs to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017**, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017): 18 August 2020

**ANSI/ASHRAE/ICC/USGBC/IES Addendum bt to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017**, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017): 18 August 2020

**ANSI/ASHRAE/ICC/USGBC/IES Addendum bu to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017**, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017): 18 August 2020

**ANSI/NFPA 5000-2020**, Building Construction and Safety Code (revision of ANSI/NFPA 5000-2018): 2 July 2020

**ANSI/UL 61800-5-1-2020**, Standard for Safety for Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal and Energy (national adoption of IEC 61800-5-1 with modifications and revision of ANSI/UL 61800-5-1-2018): 13 August 2020

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## **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](mailto:czegers@ansi.org). Comments from US citizens on ISO documents should be sent to Karen Hughes at [isot@ansi.org](mailto:isot@ansi.org). Any prices, if shown, are for purchases through ANSI. The sort order is by due date then alphanumeric.

**65/830/FDIS, IEC 62832-2 ED1**: Industrial-process measurement, control and automation - Digital Factory framework - Part 2: Model elements, 2 October 2020

**65/831/FDIS, IEC 62832-3 ED1**: Industrial-process measurement, control and automation - Digital Factory framework - Part 3: Application of Digital Factory for life cycle management of production systems, 2 October 2020

**ISO/DIS 18646-3.2**, Robotics - Performance criteria and related test methods for service robots - Part 3: Manipulation, 17 October 2020, \$62.00

**22G/425/CD, IEC 61800-9-1 ED2**: Adjustable speed electrical power drive systems - Part 9-1: Ecodesign for power drive systems, motor starters, power electronics and their driven applications – General requirements for setting energy efficiency standards for power driven equipment using the extended product approach (EPA) and semi analytic model (SAM), 13 November 2020

**22G/426/CD, IEC 61800-9-2 ED2**: Adjustable speed electrical power drive systems - Part 9-2: Ecodesign for power drive systems, motor starters, power electronics and their driven applications – Energy efficiency indicators for power drive systems and motor starters, 13 November 2020

**65/832/CD, IEC TR 63283-1 ED1**: Industrial-process measurement, control and automation - Smart Manufacturing - Part 1: Terms and definitions, 13 November 2020

**65/833/CD, IEC TR 63283-2 ED1**: Industrial-process measurement, control and automation - Smart Manufacturing - Part 2: Use cases, 13 November 2020

**65/834/CD, IEC TR 63283-3 ED1**: Industrial-process measurement, control and automation - Smart Manufacturing - Part 3: Recommendations for cybersecurity, 13 November 2020

**34/733/CD, IEC 62386-305 ED1**: Digital addressable lighting interface - Part 305: Particular requirements - Input devices - Colour sensor, 20 November 2020

**100/3459/CDV, IEC 61937-2 ED3**: Digital audio - Interface for nonlinear PCM encoded audio bitstreams applying IEC 60958 - Part 2: Burst-info (TA 20), 20 November 2020

**100/3462/CDV, IEC 61937-15 ED1**: Digital audio - Interface for nonlinear PCM encoded audio bitstreams applying IEC 60958 – Part 15: Non-linear PCM bit streams according to Auro-Cx format (TA 20), 20 November 2020

**JTC1-SC41/180/NP, PNW JTC1-SC41-180**: Internet of Things (IoT) - Underwater Acoustic Sensor Network (UWASN) – Underwater Management Information Base (u-MIB), 20 November 2020

**ISO/IEC DIS 24773-3**, Software and systems engineering - Certification of software and systems engineering professionals - Part 3: Systems Engineering, 21 November 2020, \$62.00

## 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](#).

**ISO/IEC/IEEE 8802-11/Amd3:2020**, Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks – Specific requirements - Part 11: Wireless LAN medium access control (MAC) and physical layer (PHY) specifications - Amendment 3: Enhancements for very high throughput to support Chinese millimeter wave frequency bands (60 GHz and 45 GHz), \$138.00

**ISO/IEC/IEEE 8802-11/Amd4:2020**, Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks – Specific requirements - Part 11: Wireless LAN medium access control (MAC) and physical layer (PHY) specifications - Amendment 4: Enhancements for transit links within bridged network, \$68.00

**ISO/IEC/IEEE 8802-11/Amd5:2020**, Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks – Specific requirements - Part 11: Wireless LAN medium access control (MAC) and physical layer (PHY) specifications - Amendment 5: Preassociation discovery, \$68.00

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## TSP meeting schedule

All times are EDT, and all meetings will be via WebEx, not face-to-face. The meeting schedule is posted at <https://www.esta.org/ESTA/meetings.php>. Note that it is subject to change. Everything is subject to change.

Control Protocols Working Group	10:00 – 13:00	Wednesday 14 October 2020
Electrical Power Working Group	14:00 – 17:00	Friday 16 October 2020
Event Safety Working Group	11:00 – 13:00	Friday 16 October 2020
Floors Working Group	14:00 – 16:00	Wednesday 14 October 2020
Photometrics Working Group	17:00 – 20:00	Wednesday 14 October 2020
Rigging Working Group	14:00 – 17:00	Tuesday 13 October 2020
Stage Machinery Working Group	10:00 – 13:00	Thursday 15 October 2020
Technical Standards Council	10:00 – 13:00	Monday 19 October 2020



## **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  
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Extraordinary legacy gift: Ken Vannice

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