



ESTA Standards Watch

January 2022

Volume 26, Number 1

Table of Contents

Registration opens for 2022 New World Rigging Symposium.....	1
U.S. feedback solicited on a low-carbon hydrogen international standard.....	1
WTO Technical Barrier to Trade notifications.....	2
United States of America Notification USA/1816.....	2
China Notification CHN/1649.....	3
Tajikistan Notification TJK/18.....	3
Tanzania Notification TZA/693.....	3
Canada Notification CAN/660.....	4
ANSI public review announcements.....	4
Due 7 February 2022.....	4
Due 21 February 2022.....	5
CSA public review announcements.....	5
Due 7 February 2022.....	5
Due 21 February 2022.....	6
New ANS projects.....	6
Draft IEC & ISO documents.....	6
Recently published IEC & ISO documents.....	7
TSP meeting schedule.....	9
TSP donors who have made long-term, multi-year pledges.....	10
Investors in Innovation, supporters of ESTA's Technical Standards Program.....	11

Registration opens for 2022 New World Rigging Symposium

[Registration](#) is now open for the 2022 New World Rigging Symposium, which will take place online 5 through 7 April 2022. Produced by ESTA and USITT, the three-day symposium will include breakout rooms, where attendees can get information from our sponsors and virtual networking opportunities with attendees and presenters. The New World Symposium will carry ETCP education renewal credits for re-certification. Sessions for 2022 are being developed in response to comments received from previous attendees and will be posted at esta.org/nwrs when they are finalized. The cost of the NWRS is \$99.

U.S. feedback solicited on a low-carbon hydrogen international standard

The [American National Standards Institute](#) is encouraging U.S. stakeholders to respond to an Asia-Pacific Economic Cooperation (APEC) [survey](#) focused on the feasibility and value of developing an international standard on the production of low-carbon hydrogen. Survey responses are due by 17 January 2022. The survey is part of an Asia Pacific Economic Cooperation (APEC) funded, New Zealand-led project, [SCSC 05 2020 – Low-Carbon Hydrogen International Standard](#).

The survey is intended to reflect different views on the definition and criteria of low-carbon hydrogen, existing standards relevant to low-carbon hydrogen, the value of developing a low-carbon hydrogen international

standard, and how a low-carbon hydrogen international standard could be implemented, particularly from the perspective of certification, accreditation, and assurance. The survey will help identify gaps in knowledge to address, the state and trends of low-carbon hydrogen development in APEC economies, and existing standards that have aspects of interest to APEC economies.

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.

United States of America Notification USA/1816

Date issued: 22 December 2021

Agency responsible: Environmental Protection Agency (EPA)

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Renewable fuel standard program

Title: Renewable Fuel Standard (RFS) Program: RFS Annual Rules (66 page(s), in English)

Description of content: Proposed rule - Under section 211 of the Clean Air Act, the Environmental Protection Agency (EPA) is required to set standards every year to implement nationally applicable renewable fuel volume targets. This action proposes to modify the 2021 and 2022 statutory volume targets for cellulosic biofuel, advanced biofuel, and total renewable fuel, as well as to establish the 2022 volume target for biomass-based diesel. This action also proposes to modify the previously established cellulosic biofuel, advanced biofuel, and total renewable fuel volume requirements for 2020. In addition, this action proposes the 2020, 2021, and 2022 renewable fuel standards for all four of the above biofuel categories. Finally, this action also proposes to address the remand of the 2016 standard-setting rulemaking, as well as several regulatory changes to the Renewable Fuel Standard (RFS) program including regulations for the use of biointermediates to produce qualifying renewable fuel, flexibilities for regulated parties, and clarifications of existing regulations.

EPA announced information regarding the public hearing for this proposal in a Federal Register document published on 10 December 2021, at 86 FR 70426.

Objective and rationale: Prevention of deceptive practices and consumer protection; Protection of the environment

Relevant documents: 86 Federal Register (FR) 72436, 21 December 2021; Title 40 Code of Federal Regulations (CFR) Parts 80 and 1090: <https://www.govinfo.gov/content/pkg/FR-2021-12-21/pdf/2021-26839.pdf>

This proposed rule is identified by Docket Number EPA-HQ-OAR-2021-0324. The Docket Folder is available on Regulations.gov at <https://www.regulations.gov/docket/EPA-HQ-OAR-2021-0324/document> and provides access to primary and supporting documents as well as comments received. Documents are also accessible from Regulations.gov by searching the Docket Number. WTO Members and their stakeholders are asked to submit comments to the USA TBT Enquiry Point by or before 4pm Eastern Time on 4 February 2022.

Comments received by the USA TBT Enquiry Point from WTO Members and their stakeholders will be shared with the regulator and will also be submitted to the Docket on Regulations.gov if received within the comment period.

Public Hearing for RFS Annual Rules; Notification of public hearing published 10 December 2021 identified by Docket Number EPA-HQ-OAR-2021-0324:

<https://www.govinfo.gov/content/pkg/FR-2021-12-10/html/2021-26821.htm>

<https://www.govinfo.gov/content/pkg/FR-2021-12-10/pdf/2021-26821.pdf>

EPA will hold a virtual public hearing on 4 January 2022 on its proposal for the "Renewable Fuel Standard (RFS) Program: RFS Annual Rules," which was signed on 7 December 2021. An additional session will be held on 5 January 2022 if necessary, to accommodate the number of testifiers that sign-up to testify. EPA is proposing the 2020, 2021, and 2022 renewable fuel standards for cellulosic biofuel, biomass-based diesel, advanced biofuel, and total renewable fuel. EPA is also proposing to address the remand of the 2016 standard-setting rulemaking, extend certain RFS compliance and attest engagement reporting deadlines for the 2019, 2020, and 2021 compliance years, and several regulatory changes to the RFS program.

G/TBT/N/USA/1693 and subsequent addendum and revision - Extension of 2019 and 2020 Renewable Fuel Standard Compliance and Attest Engagement Reporting Deadlines

G/TBT/N/USA/1510 and subsequent addenda - Renewable Fuel Standard Program: Standards for 2020 and Biomass-Based Diesel Volume for 2021, Response to the Remand of the 2016 Standards, and Other Changes

G/TBT/N/USA/999 and G/TBT/N/USA/999/Add.1 - Renewable Fuel Standard Program: Standards for 2014, 2015, and 2016 and Biomass-Based Diesel Volume for 2017

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 4 February 2022

Full text: <https://www.govinfo.gov/content/pkg/FR-2021-12-21/pdf/2021-26839.pdf>

China Notification CHN/1649

Date issued: 21 December 2021

Agency responsible: State Administration for Market Regulation (SAMR)

National inquiry point: WTO/TBT National Notification and Enquiry Center of the People's Republic of China

Products covered: Specialized cybersecurity products (HS 8517)

Title: National Standard of the P.R.C., Information Security Technology - Security Technical Requirements of Specialized Cybersecurity Products (12 pages in Chinese)

Description of content: This document specifies the security function requirements, self-security requirements and security assurance requirements of specialized cybersecurity products.

This document applies to the research and development, testing, production, service and market access inspection and supervision of specialized cybersecurity products sold or provided within the territory of the people's Republic of China.

Objective and rationale: Prevention of deceptive practices and consumer protection; Quality requirements

Relevant documents:

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 19 February 2022

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/CHN/full_text/pdf/CHN1649\(simplified_chinese\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CHN/full_text/pdf/CHN1649(simplified_chinese).pdf)

Tajikistan Notification TJK/18

Date issued: 6 January 2022

Agency responsible: Agency on Standardization, Metrology, Certification and Trade Inspection under the Government of Tajikistan

National inquiry point: Agency on Standardization, Metrology, Certification and Trade Inspection under the Government of Tajikistan

Products covered: ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS, AND PARTS AND ACCESSORIES OF SUCH ARTICLES (HS 85); ENVIRONMENT. HEALTH PROTECTION. SAFETY (Low-voltage equipment)

Title: Technical Regulations "Safety of low-voltage equipment"

Description of content: Programme on development of technical regulations for 2015-2016 years; Developed in order to regulate the consumer market.

Objective and rationale: Protection of human health or safety; Protection of animal or plant life or health; Protection of the environment

Relevant documents: <http://www.standard.tj> Technical regulation

Proposed date of adoption: 3 April 2015 [sic. Almost seven years ago]

Proposed date of entry into force: 13 October 2015 [sic]

Final date for comments: 7 March 2022

Tanzania Notification TZA/693

Date issued: 7 January 2022

Agency responsible: Tanzania Bureau of Standards (TBS)

National inquiry point: Tanzania Bureau of Standards (TBS)

Products covered: Articles of iron or steel wire, n.e.s (HS 732620); Steel wire, wire ropes and link chains

Title: MEDC 02 (1016) DTZS, Cold drawn mild steel wire for general engineering purposes . Specification, Fourth Edition (7 pages in English)

Description of content: This Tanzania Standard specifies the quality requirements, dimensions and sampling of cold drawn mild steel wire of sizes 1-mm to 10-mm diameter for general engineering purposes with exception of fencing applications.

Objective and rationale: Consumer information, labelling; Quality requirements; Reducing trade barriers and facilitating trade

Relevant documents: TZS 9, Steel . Methods of testing zinc coating on wire TZS 10, General requirements for the supply of metallurgical materials TZS 12, Steel . Tensile testing of wire TZS 13, Steel . Wrapping test of wire TZS 14, Steel . Plain carbon . Determination of sulphur by combustion method TZS 15, Steel Determination of phosphorus by alkalimetric method

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 8 March 2022

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/TZA/full_text/pdf/TZA693\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/TZA/full_text/pdf/TZA693(english).pdf)

Canada Notification CAN/660

Date issued: 5 January 2022

Agency responsible: Department of Innovation, Sciences and Economic Development

National inquiry point: Notification Authority and Enquiry Point Global Affairs Canada

Products covered: Radiocommunications

Title: Consultation of RSS-102 SPR-002, Issue 2, (62 and 65 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 consultation has been released: RSS-102, SPR-002, Issue 2 - Supplementary Procedure for Assessing Compliance of Equipment Operating from 3 kHz to 10 MHz with RSS-102 which sets out the technical requirements and assessment procedures for demonstrating compliance of radio apparatus with the radio frequency (RF) exposure limits outlined in RSS-102 from 3 kHz to 10 MHz. It applies to all radio apparatus producing RF emissions in this range. It also applies to some interference-causing equipment, specifically Industrial, Scientific and Medical (ISM) equipment

Objective and rationale: Consultation; Other

Relevant documents: Non applicable

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 14 March 2022

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN660\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN660(english).pdf)

ANSI public review announcements

The following documents have been announced for public review by ANSI and may be of material interest to *Standards Watch* readers. If you have comments on them, please send your comments before the deadline to the person indicated and to ANSI's Board of Standards Review at psa@ansi.org.

Due 7 February 2022

BSR/ASME A17.1/CSA B44-202x, Safety Code for Elevators and Escalators, Package 3 (revision of ANSI/ASME A17.1/CSA B44-2019)

This standard covers safety requirements for elevators, escalators, dumbwaiters, moving walks, and material lifts.

Single copy price: Free. Cheap at twice the price!

Obtain an electronic copy from <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments to Geraldine Burdeshaw; burdeshawg@asme.org

BSR/C137.0-202X, Standard for Lighting Systems Terms and Definitions (revision of ANSI C137.0-2017)

The definitions listed in this document apply or are directly related to lighting systems and are used in multiple lighting system standards. This standard is intended for use by lighting systems standards developers. The terms found in this document are recommended for use in all ANSI C137 lighting system standards. Where this document does not include a term, other references are listed.

Single copy price: \$50.00

Order from and send comments to Michael Erbesfeld, Michael.Erbesfeld@nema.org

BSR/C137.1-202x, 0-10V Dimming Interface for LED Drivers, Fluorescent Ballasts, and Controls (revision of ANSI/C137.1-2019)

This standard specifies the 0-10 volt control interface method and performance requirements for dimmable LED drivers, fluorescent ballasts, and dimming control units where output power is adjustable between minimum/off and maximum via a control input signal. The interface may be from one or more control units to one or more drivers or ballasts. Applications include, but are not limited to, commercial, residential, industrial, roadway and area, and hospitality. Applicable devices include, but are not limited to, dimmable drivers and ballasts that may be internal or external to luminaires, dimming controls, and daylighting controls. This standard does not specify control by pulse-width modulation (PWM).

Single copy price: \$75.00

Order from and send comments to Michael Erbesfeld, Michael.Erbesfeld@nema.org

Due 21 February 2022

BSR/ASB BPR 160-202x, Best Practice Recommendation for Initial Response at Scenes by Law Enforcement Officers (new standard)

This best practice recommendation provides guidance for the initial response by law enforcement officers (LEOs) to scenes. The guidance includes: arrival procedure, safety considerations, medical intervention, assessing the scene, preventing scene contamination, scene containment and control, evidence identification and preservation, turning the scene over to investigators, and documenting actions and observations. It does not include guidance for a complete scene investigation.

Single copy price: Free

Obtain an electronic copy from <http://www.asbstandardsboard.org/notice-of-standard-development-andcoordination/>

Send comments to asb@aafs.org

BSR/AISC 360-202x, Specification for Structural Steel Buildings (revision of ANSI/AISC 360-2016)

This specification governs the design, fabrication, and erection of structural-steel-framed buildings. Structural steel includes hot-rolled W-, S-, and HP-shapes, channels, and angles listed in ASTM A6/A6M; structural tees split from the hot-rolled W-, S-, and M- shapes listed in ASTM A6/A6M; hollow structural sections produced to ASTM A500, A501, A618, or A847; and steel pipe produced to ASTM A53/A53M. This specification is intended for the common building design in routine office practice.

Single copy price: \$35.00

Order from: Martin Downs, downs@aisc.org

Send comments to Cynthia Duncan, duncan@aisc.org

BSR/GBI 01-202X , Green Globes Assessment Protocol for Design, New Construction, and Major Renovations (revision of ANSI/GBI 01-2021) (revision of ANSI/GBI 01-2021)

The standard includes criteria and practices for resource-efficient, healthy, resilient, and environmentally preferable construction of commercial buildings. Six areas of green building design will be included: environmental/project management, site, energy, water efficiency, materials, and indoor environment.

Single copy price: \$25.00 USD (Paper); Free (Online)

Order from and send comments to Emily Marx, emarx@thegbi.org

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 7 February 2022

Z259.19, Managed Fall Protection Training

This standard specifies the requirements for and provides guidance on fall protection training in the workplace, it addresses an organization's needs to be able to select and provide appropriate training to safely work at heights. The goal of fall protection training is to assist workers and other parties to develop and gain the knowledge and skills to perform their work in a manner that reduces risk of harm relating to working at heights and fall hazard exposures. Training shall meet the needs of the organization as well as those being trained.

Due 21 February 2022

Z1009, Management of Work at Heights

This standard, following the principles set out in CSA Z45001, specifies requirements for establishing and maintaining a WAH management system in accordance with OHSMS principles; the roles and responsibilities of the organization, supervisor, and the workers; management of contractors; establishing the parameters of types of work at heights; hazard identification and risk assessment related to work at heights; and management and control of hazards and risk relating to work at heights, including development of general safety procedures for work performed at heights; personal protective equipment (PPE) and apparel used for work at heights; health and safety monitoring systems for work at heights; emergency rescue plan development and implementation; training for work at heights; and determining fitness for work at heights.

New ANS projects

ANSI has announced the following new projects that might materially affect *Standards Watch* readers—or at least be interesting. Contact the developer if you (a) want to be involved in a project, (b) object to a project and wish it to be abandoned, or (c) if you would like to point out that a scope is covered by an existing standard, thereby possibly making a project redundant or conflicting.

BSR/BOMA Z65.1-202x, Office Buildings: Standard Methods of Measurement (revision of ANSI/BOMA Z65.1-2017)

The BOMA measurement standard for office buildings is used for calculating areas in an office building. The application of the standard produces areas vital to lease transactions and building valuation in a consistent manner, regardless of geographic location, building architecture, or the practitioner who applies the standard. The end product of applying the standard is a spreadsheet called the Global Summary of Areas. Practitioners must enter raw data called Input Values directly into the spreadsheet. Input values are generated for each space in the building according to its appropriate Space Classification while considering the outer extents of measurement (called Boundary Area) and the way each spaces adjoin each other (called Wall Priority). Once the input values are determined and entered into the Global Summary of Areas, the spreadsheet allocates shared space among occupants and calculates Rentable Area.

Contact: Lisa Prats, lprats@boma.org

BSR/PCI 150-202x, Specification for the Design of Precast Concrete Insulated Wall Panels (new standard)

This purpose of this standard is to establish minimum requirements for the design of precast concrete insulated wall panels used as structural walls resisting axial and lateral loads. The standard covers the design of fully composite, partially composite, and noncomposite precast concrete insulated panels and includes detailing requirements for reinforcement and wythe connectors.

Contact: Edith Smith, esmith@pci.org

Draft IEC & ISO documents

This section lists proposed documents that the IEC or the ISO or both, are considering for approval and that may be of interest to *Standards Watch* readers. Anyone interested in reviewing and commenting on a document should order a copy from their national representative and submit their comments through them. Comments from US citizens on ISO documents must be sent to the ISO Team (isot@ansi.org). The comments on ISO documents must be submitted electronically in the approved ISO template and as a Word document; other formats will not be accepted. US comments should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (tzertuche@ansi.org). Any prices are for purchases through ANSI. The sort order is first by due date then by the project identifier alphanumeric.

65C/1141/FDIS, IEC 61918/AMD1 ED4: Amendment 1 – Industrial communication networks - Installation of communication networks in industrial premises, 4 February 2022

106/564/FDIS, IEC/IEEE 63195-2 ED1: Assessment of power density of human exposure to radio frequency fields from wireless devices in close proximity to the head and body (Frequency range of 6 GHz to 300 GHz) - Part 2: Computational procedure, 11 February 2022

106/565/FDIS, IEC/IEEE 63195-1 ED1: Assessment of power density of human exposure to radio frequency fields from wireless devices in close proximity to the head and body (Frequency range of 6 GHz to 300 GHz) - Part 1: Measurement procedure, 11 February 2022

44/937/CD, IEC 60050-XXX ED1: International Electrotechnical Vocabulary (IEV) - Part XXX: Safety of machinery, 18 February 2022

ISO/FDIS 9999, Assistive products - Classification and terminology, 4 March 2022, \$194.00

ISO/FDIS 17842-2, Safety of amusement rides and amusement devices - Part 2: Operation and use, 4 March 2022, \$93.00

ISO/FDIS 17842-3, Safety of amusement rides and amusement devices - Part 3: Requirements for inspection during design, manufacture, operation and use, 4 March 2022, \$46.00

ISO/IEC DIS 4005-1, Telecommunications and information exchange between systems - Low altitude drone area network (LADAN) -Part 1: Communication model and requirements, 4 March 2022, \$71.00

ISO/IEC DIS 4005-2, Telecommunications and information exchange between systems - Low altitude drone area network (LADAN) -Part 2: Physical and data link protocols for shared communication, 4 March 2022, \$134.00

ISO/IEC DIS 4005-3, Telecommunications and information exchange between systems - Low altitude drone area network (LADAN) -Part 3: Physical and data link protocols for control communication, 4 March 2022, \$134.00

ISO/IEC DIS 4005-4, Telecommunications and information exchange between systems - Low altitude drone area network (LADAN) -Part 4: Physical and data link protocols for video communication, 4 March 2022, \$134.00

44/938/CD, IEC TS 62998-3 ED1: Safety of Machinery - Safety-related sensors used for the protection of persons - Part 3: Sensor technologies and algorithms, 18 March 2022

46C/1213/CD, IEC 61156-15 ED1: Multicore and symmetrical pair/quad cables for digital communications - Part 15: Symmetrical pair/quad cables for horizontal floor wiring with transmission characteristics up to 1 000 MHz and resistance to fire performance characteristics - Sectional specification, 18 March 2022

ISO/DIS 22387, Security and resilience - Authenticity, integrity and trust for products and documents - Validation procedures for the application of artefact metrics, 18 March 2022, \$93.00

34A/2264/CDV, IEC 63356-1 ED1: LED light source characteristics -Part 1: Datasheets, 25 March 2022

34A/2265/CDV, IEC 63356-2 ED1: LED light source characteristics -Part 2: Design parameters and values, 25 March 2022

ISO/FDIS 14222, Space environment (natural and artificial) – Earth's atmosphere from ground level upward, 6 June 2021, \$119.00

ISO/FDIS 22458, Consumer vulnerability - Requirements and guidelines for the design and delivery of inclusive service, 6 June 2021, \$102.00

Recently published IEC & ISO documents

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

ISO/IEC/IEEE 8802-3:2021/Amd 1:2021, Telecommunications and information exchange between systems - Specific requirements for local and metropolitan area networks - Part 3: Standard for Ethernet - Amendment 1:

Physical layer specifications and management parameters for 2.5 Gb/s and 5 Gb/s operation over backplane, \$149.00

ISO/IEC/IEEE 8802-3:2021/Amd 2:2021, Telecommunications and exchange between information technology systems -Requirements for local and metropolitan area networks - Part 3: Standard for Ethernet - Amendment 2: Physical layer and management parameters for power over Ethernet over 4 pairs, \$149.00

ISO/IEC/IEEE 8802-3:2021/Amd 3:2021, Telecommunications and exchange between information technology systems -Requirements for local and metropolitan area networks - Part 3: Standard for Ethernet - Amendment 3: Media access control parameters for 50 Gb/s and physical layers and management parameters for 50 Gb/s, 100 Gb/s, and 200 Gb/s operation, \$149.00

ISO/IEC/IEEE 8802-3:2021/Amd 5:2021, Telecommunications and exchange between information technology systems -Requirements for local and metropolitan area networks - Part 3: Standard for Ethernet - Amendment 5: Physical layers specifications and management parameters for 10 Mb/s operation and associated power delivery over a single balanced pair of conductors, \$250.00

ISO/IEC/IEEE 8802-3:2021/Amd 9:2021, Telecommunications and exchange between information technology systems -Requirements for local and metropolitan area networks - Part 3: Standard for Ethernet - Amendment 9: Physical layer specifications and management parameters for 25 Gb/s and 50 Gb/s passive optical networks, \$250.00

IEC 60958-SER Ed. 1.0 en:2022, Digital audio interface - ALL PARTS, \$1147.00

IEC 60034-SER Ed. 1.0 b:2022, Rotating electrical machines – ALL PARTS, \$9241.00

IEC 60086-SER Ed. 1.0 b:2022, Primary batteries - ALL PARTS, \$1754.00

IEC 60204-SER Ed. 1.0 b:2022, Safety of machinery – Electrical equipment of machines - ALL PARTS, \$2037.00

IEC 60947-SER Ed. 1.0 b:2022, Low-voltage switchgear and controlgear - ALL PARTS, \$7410.00

IEC 61000-3-SER Ed. 1.0 b:2022, Electromagnetic compatibility (EMC) - Part 3: Limit - ALL PARTS, \$2921.00

IEC 61131-SER Ed. 1.0 b:2022, Programmable controllers – ALL PARTS, \$3328.00

IEC 61937-SER Ed. 1.0 b:2022, Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - ALL PARTS, \$1973.00

ISO 52120-1:2021, Energy performance of buildings – Contribution of building automation, controls and building management – Part 1: General framework and procedures, \$250.00

ISO 20345:2021, Personal protective equipment - Safety footwear, \$200.00

ISO 20346:2021, Personal protective equipment – Protective footwear, \$200.00

ISO 20347:2021, Personal protective equipment – Occupational footwear, \$200.00

TSP meeting schedule

The meeting schedule is posted at <https://www.esta.org/ESTA/meetings.php>. The January meetings will be via WebEx alone.

Control Protocols Working Group	11:00 - 14:00 EST	Wednesday 19 January 2022
Event Safety Working Group	14:00 – 16:00 EST	Friday 21 January 2022
Floors Working Group	15:00 - 17:00 EST	Tuesday 18 January 2022
Fog & Smoke Working Group	11:00 - 13:00 EST	Monday 17 January 2022
Followspot Positions Working Group	11:00 - 14:00 EST	Thursday 20 January 2022
Photometrics Working Group	15:00 - 17:00 EST	Wednesday 19 January 2022
Rigging Working Group	11:00 - 13:00 EST	Tuesday 18 January 2022
Stage Machinery Working Group	15:00 - 17:00 EST	Thursday 20 January 2022
Technical Standards Council	11:00 - 13:00 EST	Monday 24 January 2022

The following meetings will be at the Hilton Baltimore Inner Harbor. Attendance may be in person or via WebEx.

Control Protocols Working Group	09:00 – noon EST	Thursday, 3 March 2022
Electrical Power Working Group	11:00 – 14:00 EST	Friday, 4 March 2022
Event Safety Working Group	14:00 – 17:00 EST	Saturday, 5 March 2022
Floors Working Group	14:00 – 17:00 EST	Wednesday, 2 March 2022
Followspot Positions Working Group	19:00 – 22:00 EST	Friday, 4 March 2022
Rigging Working Group	19:00 – 22:00 EST	Thursday, 3 March 2022
Stage Machinery Working Group:	14:00 – 17:00 EST	Thursday, 3 March 2022
Technical Standards Council	15:00 – 18:00 EST	Friday, 4 March 2022

ESTA Standards Watch

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

Editors:

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

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

If you would like to receive an email notice each time a new edition of *Standards Watch* is published, send a request to standards@esta.org.

The archive of *Standards Watch* issues back to the beginning of 2011 is available at <http://estalink.us/nn7a1>.

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

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

VISIONARY LEADERS (\$50,000 & up)

ETC

PLASA

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

Chauvet Professional
Cisco

Columbus McKinnon Entertainment Technology
Disney Parks Live Entertainment

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

Altman Lighting, Inc.
McLaren Engineering Group
Rose Brand
Stage Rigging

Theatre Projects
Theatre Safety Programs
TMB

VISIONARY (\$500 & up; <20 employees/members)

About the Stage
B-Hive Industries, Inc.
Scott Blair
Boston Illumination Group
Candela Controls, Inc.
Clark Reder Engineering
Tracey Cosgrove & Mark McKinney
Doug Fleenor Design
Down Stage Right Industries Ltd.
EGI Event Production Services
Entertainment Project Services
Neil Huff
Interactive Technologies
Jules Lauve
Brian Lawlor

Michael Lay
Link
John T. McGraw
Mike Garl Consulting
Mike Wood Consulting
Lizz Pitsley
Reed Rigging
Reliable Design Services
Alan Rowe
Sapsis Rigging Inc.
Dana Taylor
Steve Terry
Vertigo
WNP Services

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

Actors' Equity Association
Barbizon Lighting Company
Golden Sea Professional Lighting Provider
IATSE Local 728

IATSE Local 891
Lex
NAMM
Texas Scenic Company

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

American Society of Theatre Consultants
Area Four Industries
BMI Supply
City Theatrical Inc.
H&H Specialties, Inc.

InterAmerica Stage, Inc.
Lycian Stage Lighting
Niscon Inc.
Tomcat Staging, Lighting and Support Systems

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

Baxter Controls, Inc.
ChamSix
Concept Smoke Systems Ltd.
Liberal Logic, Inc.

Luminator Technology Group
Sehr Gute GmbH
Tracy Underhill
Ralph Weber

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

Harlequin Floors

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

High Output
InCord
iWeiss
Oasis Stage Werks

Stagemaker
Syracuse Scenery and Stage Lighting Co., Inc.
Vincent Lighting Systems
Wuhan Zhongtian Jiaye Mechanical & Electrical Eng.
Co.

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

Chip Scott Lighting Design
Beverly and Tom Inglesby

Luminator Technology Group
Sigma Net

Extraordinary legacy gift: Ken Vannice

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