



Technical Standards Program

ESTA Standards Watch

December 2020

Volume 24, Number 23

Table of Contents

A quintet of TSP standards in public review.....	1
UL seeks members for STP 1640.....	2
WTO Technical Barrier to Trade notifications.....	3
United States of America Notification USA/1673.....	3
El Salvador Notification SLV/210.....	3
Japan Notification JPN/680.....	4
Thailand Notification THA/585.....	5
United States of America Notification USA/1674.....	5
ANSI public review announcements.....	6
Due 11 January 2021.....	6
Due 18 January 2020.....	7
Due 2 February 2021.....	8
CSA public review announcements.....	8
Due 29 January 2021.....	8
New ANS projects.....	8
Final actions on American National Standards.....	10
Draft IEC & ISO documents.....	11
Recently published IEC & ISO documents.....	12
TSP meeting schedule.....	12
TSP donors who have made long-term, multi-year pledges.....	13
Investors in Innovation, supporters of ESTA's Technical Standards Program.....	14

A quintet of TSP standards in public review

Five standards (four draft and one reaffirmation) are posted for public review on ESTA's Technical Standards Program website. Check'em out at https://tsp.esta.org/tsp/documents/public_review_docs.php. Comments are due by the end of the day on the dates noted.

BSR E1.67, Entertainment Technology -- Design, Inspection, Maintenance, Selection, and Use of Hand and Lever Chain Hoists in the Entertainment Industry, covers serially-manufactured, hand-operated chain- and lever hoists, having capacity of 2 tons or less and used in the entertainment industry. This standard does not cover attachment to the load or to the overhead structure. Comments are due before the end of the day December 14. On the morning of the 15th, "Aw, you missed it!"

ANSI E1.15 - 2006 (R2016) Entertainment Technology - Recommended Practices and Guidelines for the Assembly and Use of Theatrical Boom & Base Assemblies, is an existing standard being considered for reaffirmation with no changes. Comments are due before the end of the day December 14.

BSR E1.39, Entertainment Technology - Selection and Use of Personal Fall Arrest Systems on Portable Structures Used in the Entertainment Industry, establishes minimum requirements for the selection and use

of personal fall arrest systems (PFAS) on portable structures in the entertainment industry. The standard also 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. Comments are due before the end of the day December 14.

BSR E1.2, Entertainment Technology - Design, Manufacture and Use of Aluminum Trusses and Towers, applies to the design manufacture and use of aluminum trusses and towers used in the entertainment industry (just what it says in the title). Comments are due before the end of the day December 14.

BSR ES1.4, Event Fire Safety Requirements, is a standard to identify and describe the steps necessary to establish a reasonable level of life safety and property protection from the hazards of fire, explosion, and dangerous conditions at a live event. This includes looking at measures to avoid fire risks, effective response should an incident occur, planning escape routes, and basic firefighting measures. Further details must be obtained from the local fire and building officials with jurisdiction over the venue. Comments are due before the end of the day 11 January 2021.

UL seeks members for STP 1640

Underwriters Laboratories is looking for additional members for UL's Standards Technical Panel for Portable Power-Distribution Equipment and Devices, STP 1640, in particular interest categories. UL tries to have a balance of interests, so no interest category makes up more than one-third of the overall voting membership. Currently, Producers make up 35 percent of STP 1640. There are 7 Producers, 5 Commercial/Industrial Users, 5 General Interest, 1 Consumer, 1 Supply Chain, and 1 Testing and Standards Organization representative on STP 1640. UL is currently seeking representatives from the following interest categories to serve on STP 1640.

AHJ/Regulator: Those involved in the regulation or enforcement of the requirements of codes and standards at a regional (e.g. state or province) and/or local level. The authority having jurisdiction/regulator may be a regional or local department or individual such as a fire chief; fire marshal; chief of a fire prevention bureau, state department of insurance official, labor department, or health department; building official; electrical inspector; or others having statutory authority.

Consumer: Consumer organizations, consumer departments at universities, home economic departments at universities, professional consumers, and individuals who use the product or service as part of their livelihood and are not eligible for STP membership under another interest category.

General Interest: Consultants, members of academia, scientists, special experts, representatives of professional societies, representatives of trade associations, representatives of non-governmental organizations, representatives of companies that only private-brand label products (made by another manufacturer) covered by STP 1640, and other individuals, etc. that are not covered by the other interest categories.

Supply Chain: Component producers for an STP responsible for standards covering end-products or end-product producers for an STP responsible for standards covering components; installers, distributors, and retailers. Manufacturers who have no manufacturing facilities for the products covered by UL 1640, but solely use contract manufacturers to make the products are considered part of the Supply Chain interest category. Wholesale or retail purchase-resellers for products made by other companies are also considered as part of the Supply Chain interest category.

Testing and Standards Organization: Organizations that test and/or certify products, services, or systems covered by UL 1640, or that develop standards/codes related to the products, services, or systems covered by UL 1640.

Anyone interested in applying for membership on STP 1640 should go to the [STP Application Page](#) to submit an application for STP 1640. UL will inform applicants for STP 1640 of the status of their application soon after our receipt of their completed application.

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. The sort order is by comment due-date. 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/1673

Date issued: 2 December 2020

Agency responsible: Centers for Disease Control and Prevention (CDC); National Institute for Occupational Safety and Health (NIOSH)

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Air-purifying particulate respirators; Breathing appliances and gas masks (excl. protective masks having neither mechanical parts nor replaceable filters, and artificial respiration or other therapeutic respiration apparatus) (HS 9020)

Title: 21 August 2020 Conformity Assessment Letter to Manufacturers, NIOSH CA 2020-1031 (3 pages in English)

Description of content: The coronavirus disease 2019 (COVID-19) outbreak has placed enormous strain on the resources of the National Institute for Occupational Safety and Health (NIOSH). In response to the nation's effort to control the spread of COVID-19, and to utilize resources more effectively, NIOSH is accepting and prioritizing certain applications to increase the supply of NIOSH-approved particulate filtering (air-purifying) respirators and ensure quality products providing the intended protections are available. The applications accepted can include those seeking or modifying approval for filtering facepiece respirators (FFR), half mask and full facepiece air-purifying respirators (APR) and powered air-purifying respirators (PAPR). During the response, NIOSH is not accepting applications for approval of FFRs with novel head suspensions, e.g. ear loops. NIOSH is focusing its resources to approve designs with traditional two head-strap suspensions, commonly used in respirator designs demonstrating the fit and protection required by the Occupational Safety and Health Administration (OSHA), U.S. Department of Labor (DOL).

Objective and rationale: Protection of human health or safety; Quality requirements

Relevant documents: - NIOSH Conformity Assessment Letter to Manufacturers NIOSH CA 2020-1031 August 2020: <https://www.cdc.gov/niosh/npptl/resources/pressrel/letters/conformitymanuf/pdfs/CA-2020-1031-P.pdf>

- National Personal Protective Technology Laboratory (NPPTL), Conformity Assessment Notices and Letters to Respirator Manufacturers and Interested Parties:

<https://www.cdc.gov/niosh/npptl/resources/pressrel/letters/conformitymanuf/CA-2020-1031.html>

Proposed date of adoption: 21 August 2020

Proposed date of entry into force: 21 August 2020

Final date for comments: Not given by country

Full text: https://members.wto.org/crnattachments/2020/TBT/USA/20_7412_00_e.pdf

EI Salvador Notification SLV/210

Date issued: 18 November 2020

Agency responsible: Salvadorian Technical Regulation Agency (OSARTEC)

National inquiry point: Ministry of the Economy, Directorate of Trade Treaty Administration

Products covered: Information technology, Office machines

Title: Reglamento Técnico Salvadoreño RTS 35.01.02:20 Tecnología de la información. Firma electrónica. Requisitos técnicos para acreditación de prestadores de servicios de almacenamiento de documentos electrónicos (Salvadoran Technical Regulation RTS 35.01.02:20, Information technology. Electronic signatures. Technical requirements for the accreditation of electronic document storage service providers) (13 pages in Spanish)

Description of content: The notified Regulation establishes technical requirements to be met by all national or foreign legal persons in order to be accredited to provide electronic document storage services and store electronic documents on their own behalf under the Electronic Signature Law.

The Regulation applies to all national or foreign public or private legal persons registered in El Salvador who wish to be accredited as a provider of electronic document storage services, as well as to those national or

foreign natural or legal persons who store electronic documents on their own behalf, so that these documents are able to enjoy the legal standing accorded by the Electronic Signature Law.

Objective and rationale: In view of the COVID-19 pandemic, it is considered vital to promote and extend the use of electronic media, particularly electronic signatures. To that end, there is a need to ensure that national or foreign natural or legal persons are able to obtain accreditation to provide electronic document storage services or store electronic documents on their own behalf, so that these documents are able to enjoy the legal standing accorded by the Electronic Signature Law; In light of the global health situation, such action enables the State to adopt and maintain measures to protect and preserve human life and health, such as social distancing; Reducing trade barriers and facilitating trade

Relevant documents: • Ley de Firma Electrónica, Ministerio de Economía. Decreto Legislativo No 133, Diario Oficial No 196, Tomo No 409 del 26 de octubre de 2015. El Salvador;

• Reglamento de la Ley de Firma Electrónica. Ministerio de Economía. Decreto Legislativo No 60, Diario Oficial No 201, Tomo No 413 del 28 de octubre de 2016. El Salvador;

• ETSI EN 319401 V2.2.1 (2018-04): Electronic Signatures and Infrastructures (ESI); General policy requirements for trust service providers;

• ETSI TS 101533 -1 V1.3.1 (2012-04): Electronic Signatures and Infrastructures (ESI); Data preservation systems security;

• ETSI TS 102573 V2.1.1 (2012-04): Electronic Signatures and Infrastructures (ESI); Policy requirements for trust service providers signing and/or storing data objects;

• FIPS PUB 140-2 (2001): Security Requirements for Cryptographic Modules;

• ETSI TS 119511 V1.1.1 (2019-06): Electronic Signatures and Infrastructures (ESI); Policy and security requirements for trust service providers providing long-term preservation of digital signatures or general data using digital signature techniques;

• ETSI TS 119512 V1.1.1 (2020-01): Electronic Signatures and Infrastructures (ESI); Protocols for trust service providers providing long-term data preservation services;

• ETSI TS 102573 V2.1.1 (2012-04): Electronic Signatures and Infrastructures (ESI); Policy requirements for trust service providers signing and/or storing data object;

• ISO/IEC 15408 (parts 1-3): Information technology - Security techniques - Evaluation criteria for IT security

• ISO/IEC 27002:2013: Information technology - Security techniques - Code of practice for information security controls

• ISO/IEC 9594-8/Recommendation ITU-T X. 509: Information technology - Open Systems Interconnection - The Directory: Public-key and attribute certificate frameworks.

Proposed date of adoption: 29 October 2020

Proposed date of entry into force: 29 October 2020

Final date for comments: Not given by country

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/SLV/full_text/pdf/SLV210\(spanish\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/SLV/full_text/pdf/SLV210(spanish).pdf)

Japan Notification JPN/680

Date issued: 3 December 2020

Agency responsible: Ministry of Internal Affairs and Communications

National inquiry point: Standards Information Service, International Trade Division, Economic Affairs Bureau, Ministry of Foreign Affairs (MOFA)

Products covered: Radio station of beam Wireless Power Transmission (WPT) system

Title: Partial Amendment of Regulations for Enforcement of the Radio Act, Regulations for Procedure for Obtaining a Radio Station License, Ordinance Regulating Radio Equipment, Ordinance Concerning Technical Regulations Conformity Certification of Specified Radio Equipment, and relevant public notices (4 pages in English)

Description of content: To amend the regulations for the above system.

Objective and rationale: The regulations and the Ordinances for Enforcement of the Radio Act, etc. need to be amended to introduce technical requirements for radio station of beam WPT system; Other

Relevant documents: The basic law is the Radio Act (1950 Law No.131):

<http://www.japaneselawtranslation.go.jp/law/detail/?id=3205&vm=04&re=01&new=1> The amendment will appear in "KAMPO" (Official Government Gazette) when adopted. (available in Japanese)

Proposed date of adoption: 1 March 2021

Proposed date of entry into force: 1 March 2021

Final date for comments: 1 February 2021

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/JPN/full_text/pdf/JPN680\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/JPN/full_text/pdf/JPN680(english).pdf)

Thailand Notification THA/585

Date issued: 7 December 2020

Agency responsible: National Bureau of Agricultural Commodity and Food Standards (ACFS)

National inquiry point: National Bureau of Agricultural Commodity and Food Standards (ACFS)

Products covered: Domesticated elephants (*Elephas maximus*)

Title: Draft Thai Agricultural Standard entitled "Good Animal Practices for Elephant Facility" (9 pages in Thai)

Description of content: This standard provides requirements of good animal practices for elephant facilities/camps where a place used for raising or gathering elephants for business purposes. It covers components of elephant camps and management of the facilities/camps, personnel, elephant health and welfare, environment, safety and record keeping. The aims are to promote elephants' good health taking into consideration animal welfare and environment while maintaining personnel's health, safety and welfare, and ensuring visitors' safety.

This Thai Agricultural Standard is applied only to the elephant facilities/camps that raise or gather domesticated elephants of *Elephas maximus* and it does not cover home own raising with no elephant-related business in tourism or shows and raising for labour purposes.

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

Relevant documents: 1. The Agricultural Standards Act B.E. 2551 (2008)

2. The Cruelty Prevention and Welfare of Animal Act B.E. 2557 (2014)

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 5 February 2021

United States of America Notification USA/1674

Date issued: 3 December 2020

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

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Unvented heating appliances

Title: Energy Conservation Program: Energy Conservation Standards for Direct Heating Equipment (26 pages in English)

Description of content: Notification of proposed determination and request for comment - The Energy Policy and Conservation Act, as amended (EPCA), prescribes energy conservation standards for various consumer products, including direct heating equipment (DHE). EPCA also requires the U.S. Department of Energy (DOE) to periodically determine whether more-stringent, amended standards would be technologically feasible and economically justified, and would result in significant energy savings. After carefully considering the available market and technical information for these products, DOE has tentatively concluded in this document that more-stringent standards for DHE would not save a significant amount of energy. Further, depending on the product class, more-stringent standards for DHE would not be technologically feasible or economically justified. As such, DOE has tentatively determined that amended energy conservation standards are not needed. DOE requests comment on this proposed determination, as well as the associated analyses and results.

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

Relevant documents: 85 Federal Register (FR) 77017, 1 December 2020; Title 10 Code of Federal Regulations (CFR) Part 430: <https://www.govinfo.gov/content/pkg/FR-2020-12-01/pdf/2020-26327.pdf>

This notification of proposed determination and request for comments is identified by Docket Number EERE-2019-BT-STD-0002. The Docket Folder is available on Regulations.gov at

<https://www.regulations.gov/docket?D=EERE-2019-BT-STD-0002> 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. 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.

The 16 April 2010 final rule notified as G/TBT/N/USA/508/Add.1 is identified by Docket Number EE-2006-BT-STD-0129. The Docket Folder is available on Regulations.gov at <https://www.regulations.gov/docket?D=EE-2006-BT-STD-0129> 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.

On 17 October 2016, a final determination on Energy Conservation Standards for Direct Heating Equipment from the Energy Conservation Program was published at <https://www.govinfo.gov/content/pkg/FR-2016-10-17/pdf/2016-24866.pdf>, identified by Docket Number EERE-2016-BT-STD-0007. The Docket Folder is available on Regulations.gov at <https://www.regulations.gov/docket?D=EERE-2016-BT-STD-0007> and provides access to primary documents as well as comments received. Documents are also accessible from Regulations.gov by searching the Docket Number.

On 26 February 2019, a Request for Information (RFI) on Test Procedure for Direct Heating Equipment from the Energy Conservation Program was published at <https://www.govinfo.gov/content/pkg/FR-2019-02-26/pdf/2019-03269.pdf>, identified by Docket Number EERE-2019-BT-TP-0003. The Docket Folder is available on Regulations.gov at <https://www.regulations.gov/docket?D=EERE-2019-BT-TP-0003> and provides access to primary documents as well as comments received. Documents are also accessible from Regulations.gov by searching the Docket Number.

On 11 July 2019, a granting in part and denying in part a petition for rulemaking; notice of proposed interpretive rule; request for comment on Energy Conservation Standards for Residential Furnaces and Commercial Water Heaters from the Energy Conservation Program was published at <https://www.govinfo.gov/content/pkg/FR-2019-07-11/pdf/2019-14553.pdf>. Related subsequent actions were notified under the symbol G/TBT/N/USA/1655. The 2019 action and the related subsequent notified actions are identified by Docket Number EERE-2018-BT-STD-0018. The Docket Folder is available on Regulations.gov at <https://www.regulations.gov/docket?D=EERE-2018-BT-STD-0018> 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.

The 14 February 2020 final rule notified as G/TBT/N/USA/1441/Add.3 is identified by Docket Number EERE-2017-BT-STD-0062. The Docket Folder is available on Regulations.gov at <https://www.regulations.gov/docket?D=EERE-2017-BT-STD-0062> 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.

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 16 February 2021

Full text: <https://www.govinfo.gov/content/pkg/FR-2020-12-01/pdf/2020-26327.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 11 January 2021

BSR N43.4-202x, Classification of Radioactive Self-Luminous Light Sources (revision of ANSI N43.4-2013)

This standard establishes the classification of certain radioactive self-luminous light sources according to radionuclide, type of source, activity, and performance requirements. The standard does not attempt to establish design or safety standards, but leaves the design features to the judgment of the supplier and user, provided that the performance requirements are met.

Single copy price: \$50.00

Order from and send comments to: Nancy Johnson, nanjohns@verizon.net

BSR/NECA 121-202X, Standard for Installing and Nonmetallic-Sheathed Cable (Type NM) and Underground Branch-Circuit Cable (Type UF) (new standard)

This standard describes installation procedures for nonmetallic-sheathed cable (Type NM) and underground feeder and branch-circuit cable (Type UF).

Single copy price: \$25.00 (NECA Members); \$55.00 (non-members)

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

BSR/TIA 568.0-E-1-202x, Generic Telecommunications Cabling for Customer Premises - Addendum 1: Balanced Single Twisted-Pair Cabling (addenda to ANSI/TIA 568.1-E-2020)

This Addendum adds balanced single twisted-pair topology, architecture and installation requirements to ANSI/TIA 568.0-E providing guidelines in buildings where 1-pair cabling can be deployed. This Addendum will

also provide balanced single twisted-pair cabling guidelines in accordance with ANSI/TIA 568.5 for emerging intelligent building systems (IBS), Internet of things (IoT), and machine-to-machine (M2M) applications that will require higher density, reduced size, and greater flexibility to serve these devices.

Single copy price: \$61.00

Order from and send comments to: TIA, standards-process@tiaonline.org

BSR/TIA 568.5-202x, Single Balanced Twisted-Pair Cabling and Components Standard (new standard)

A single balanced twisted-pair cabling and components standard to provide specifications for cables, connectors, cords, links, and channels using 1-pair connectivity in non-industrial premises telecommunications networks. The standard will focus on MICE1 environments and will include cabling and component performance requirements and test procedures, reliability requirements and test procedures, as well as guidelines for adaptations to four-pair cabling.

Single copy price: \$103.00

Order from and send comments to: TIA, standards-process@tiaonline.org

BSR/TIA 862-C-202x, Structured Cabling Infrastructure Standard for Intelligent Building Systems (revision and redesignation of ANSI/TIA 862-B-2016)

This standard specifies requirements for intelligent building system cabling infrastructure including cabling topology, architecture, design and installation practices, test procedures, and components. The cabling infrastructure specified by this standard is intended to support a wide range of systems, particularly those that use or can use IP-based infrastructure. This revision will include the contents of Addendum 1 to ANSI/TIA 862-B; modifications needed due to the recent revision of ANSI/TIA 568.0; and the inclusion of single-pair cabling as specified in ANSI/TIA 568.5.

Single copy price: \$116.00

Order from and send comments to: TIA, standards-process@tiaonline.org

Due 18 January 2020

BSR/ASCE/COS 73-202x, Standard Requirements for Sustainable Infrastructure (new standard)

The components and outcomes described in the chapters of this standard are intended to guide sustainable infrastructure development through the entire life-cycle process. Leadership shall encourage transformative development of the infrastructure solution at the earliest stages; consider and analyze all reasonable alternatives; and consider natural, no-construction, and constructed project solutions. For constructed project solutions, the entire life cycle of the project shall be considered within the context of this standard.

Single copy price: Free

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

BSR/ASQ G1-202x, Guidelines for Evaluating the Quality of Government Operations and Services (new standard)

This document provides process and systems models that can be used for objective performance review and evaluation of government services, which will provide a relative ranking of the effectiveness and maturity of those processes and systems. These models will facilitate establishment and maintenance of quality management systems in government and encourage continual improvement. Also included are guidelines for qualification for evaluators of government services, using this standard.

Single copy price: Free

Order from and send comments to: Julie Sharp, standards@asq.org

BSR/ASSP A10.12-202x, Safety Requirements for Excavation (revision and redesignation of ANSI/ASSE A10.12-1998 (R2016))

This standard applies to all open excavations made in the earth's surface that require worker and/or property protection.

Single copy price: \$110.00

Order from and send comments to: Tim Fisher, tfisher@assp.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 600 volts or less, and related battery systems installed indoors or outdoors for commercial and industrial applications.

Single copy price: \$5.00

Order from and send comments to: neis@necanet.org

BSR/NECA/EGSA 404-202X, Standard for Installing Generator Sets (revision and redesignation of ANSI/NECA 404-2014)

This standard describes installation procedures for generators, rated 1000 volts and less, and related accessories and systems that are permanently installed for on-site standby or emergency power generation that are typically fueled by natural gas, Liquefied Petroleum Gas (LPG) or propane, or diesel. Such generators may be defined as "emergency systems" or "legally required standby systems" intended to supply power for emergency or life-safety applications in accordance with the NEC, or as "optional standby systems" in accordance with the NEC where life safety does not depend on the performance of the system.

Single copy price: \$5.00

Order from and send comments to: neis@necanet.org

Due 2 February 2021

BSR/UL 3100-202x, Standard for Safety for Automated Mobile Platforms (AMPs) (new standard)

The proposed first edition of the Standard for Automated Mobile Platforms (AMPs), ANSI/CAN/UL 3100, covers battery-operated mobile platforms with or without a payload. These devices are intended to be used indoors only or as outdoor-use devices in a commercial or industrial environment. The device is battery powered using either lead-acid batteries or lithium-based batteries that, if rechargeable, are charged through a conductive system while either on board or off board the device.

Single copy price: Free

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

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 29 January 2021

C22.2 No. 61347-2-13, Lamp controlgear - Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules (new edition)

This is an adoption of IEC 61347-2-13, edition 2. This part of IEC 61347 specifies particular safety requirements for electronic controlgear for use on d.c. supplies up to 380 V and a.c. supplies up to 600 V at 50 Hz or 60 Hz and at an output frequency that can deviate from the supply frequency, associated with LED modules.

C22.2 No. 62031, LED modules for general lighting - Safety specifications (new edition)

This is an adoption of IEC 62031, edition 2. This standard specifies general and safety requirements for non-integrated light-emitting diode (LED) modules without integral controlgear (LEDni modules) and semi-integrated LED modules (LEDsi modules) for operation under constant voltage, constant current, or constant power; and self-ballasted Integrated LED modules (LEDi modules) with integral controlgear for use on dc supplies up to 250 V or ac supplies up to 347 V. LED modules within the scope of this document can be integral, built-in or independent. This document is not applicable for LED lamps. Requirements for LED light engine modules are specified in Annex DB.

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 C18.2M, Part 1-202x, Standard for Portable Rechargeable Cells and Batteries - General and Specifications (revision of ANSI C18.2M, Part 1-2019)

This publication applies to portable rechargeable or secondary cells and batteries based on the following electrochemical systems: (a) nickel-cadmium; (b) nickel-metal hydride; and (c) nickel-zinc.

Contact: Khaled Masr, Khaled.Masri@nema.org

BSR C18.3M, Part 2-202x, Portable Lithium Primary Cells and Batteries - Safety Standard (revision of ANSI C18.3M, Part 2-2019)

This American National Standard specifies tests and requirements for portable primary lithium cells and batteries, both the chemical systems and the types covered in ANSI C18.3M, Part 1, to ensure their safe operation under normal use and reasonably foreseeable misuse.

Contact: Khaled Masr, Khaled.Masri@nema.org

BSR/EMAP EM OPS 1-202x, Emergency Management Operational Standard (new standard)

The standard will outline programmatic areas with standards underneath that outline the necessary operational components of a comprehensive emergency management and homeland security program. The standards will include phases of emergency management to include prevention, preparedness, response, and recovery activities. The programmatic areas will include such things as administration and finance, prevention, activation, response, and demobilization.

Contact: Nicole Ishmael, nishmael@emap.org

BSR E1.73-202x, Guidelines for the measurement and reporting of luminaire spectral power/absorbance for the entertainment industry (new standard)

There is work underway in the entertainment industry by several groups for standards to allow theatrical lighting controllers to manipulate and match colors among spotlights, washlights, cyc lights, and other luminaires, and to communicate this color control information across a lighting control network. These theatrical luminaires may offer color control by additive color mixing, subtractive color mixing, or both in the same luminaire, complicating control and its description. This standard would support the automated luminaire color control work being done in the entertainment industry by offering guidance on measurement geometry and methods, units, luminous intensity, or Illuminance with distance reporting; measuring color filter absorbance, and reporting color data.

Contact: Karl Ruling; standards@esta.org

BSR/NECA 90-202X, Standard for Commissioning Building Electrical Systems (revision of ANSI/NECA 90-2015)

This standard describes installation procedures for start-up, testing, and commissioning newly installed or retrofitted building electrical systems, equipment, and components. It defines the commissioning process and provides sample guidelines for attaining optimum system performance that conform to design, specification, and industry-accepted Codes and Standards. This standard addresses those commissioning activities that typically involve the electrical contractor and that are completed during and after the construction phase. The commissioning process also involves activities that are beyond the scope of this standard (just so you know).

Contact: Aga Golriz, Aga.golriz@necanet.org

BSR/NFPA 4-202x, Standard for Integrated Fire Protection and Life Safety System Testing (revision of ANSI/NFPA 4-2021)

The standard shall provide the minimum requirements for testing of integrated fire protection and life safety systems where such testing is required by the design documents, commissioning plan, governing laws, codes, regulations, or standards. These requirements include protocol for testing procedures, responsibilities of various parties, methods and documentation for verifying the operational readiness and sequence of integrated systems. The standard is designed to ensure that interconnected active and passive fire protection and life safety systems operate as intended. It is not the intent of this standard to require implementation of emergency response procedures, evacuation drills, or other exercises that require facility staff or fire department response. However, when integrated systems tests are being conducted, it can be an appropriate opportunity to practice emergency procedures or drills. This standard does not prohibit the owner of the property, building, or individual system or the owner's designated representative from requiring integrated system testing by design or contract documents. For some buildings, the integrated system testing requirements of NFPA 4 can be considered satisfied by

performing the acceptance tests and the inspection, testing, and maintenance required by the NFPA standards for the systems in a building [sic]

Contact: Dawn Michele Bellis, dbellis@nfpa.org

BSR/NFPA 101-202x, Life Safety Code (revision of ANSI/NFPA 101-2021)

Scope: 1.1 Scope.

A.1.1 The following is a suggested procedure for determining the Code requirements for a building or structure: (1) Determine the occupancy classification by referring to the occupancy definitions in Chapter 6 and the occupancy Chapters 12 through 42. (See 6.1.14 for buildings with more than one use.); (2) Determine if the building or structure is new or existing. (See the definitions in Chapter 3.) (3) Determine the occupant load. (See 7.3.1.) (4) Determine the hazard of contents. (See Section 6.2.) (5) Refer to the applicable occupancy chapter of the Code, Chapters 12 through 42. [See Chapters 1 through 4 and Chapters 6 through 11, as needed, for general information (such as definitions) or as directed by the occupancy chapter.] (6) Determine the occupancy subclassification or special use condition, if any, by referring to Chapters 16 and 17, daycare occupancies; Chapters 18 and 19, health care occupancies; Chapters 22 and 23, detention and correctional occupancies; Chapters 28 and 29, hotels and dormitories; Chapters 32 and 33, residential board and care occupancies; Chapters 36 and 37, mercantile occupancies; and Chapter 40, industrial occupancies, which contain subclassifications or special use definitions. (7) Proceed through the applicable occupancy chapter to [sic]

Contact: Dawn Michele Bellis, dbellis@nfpa.org

BSR/NFPA 790-202x, Standard for Competency of Third-Party Field Evaluation Bodies (revision of ANSI/NFPA 790-2021)

Scope: 1.1 Scope.

1.1.1 Establishing Competence.

1.1.1.1 The provisions of this standard shall address requirements for the qualification and competency of a body performing field evaluations on electrical products and assemblies with electrical components.

1.1.1.2 These requirements are based on ISO/IEC Guide 65 and ISO/IEC 17020 with adaptation for the unique characteristics of field evaluations.

1.1.2 Competent FEBs.

1.1.2.1 A field evaluation body (FEB) meeting the requirements of this standard shall be considered competent to perform field evaluations.

1.1.2.2 These requirements shall apply to both the initial and continued competency of FEBs.

Contact: Dawn Michele Bellis, dbellis@nfpa.org

BSR/NECA 5-202x, Recommended Practice for Prefabrication of Electrical Installations for Construction (new standard)

This standard describes recommended on-site and off-site practices for prefabrication of electrical installations for construction projects. The term “prefabrication” collectively refers to any kind of completion of electrical components, (sub-) assemblies, or modules of a construction project that is taken from the final point of installation to a different, off-site location and performed in a controlled environment. The off-site completed, prefabricated item is then transported to the construction site for final installation and assembled in place.

Contact: Aga Golriz, Aga.golriz@necanet.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 C18.2M, Part 2-2021, Portable Nickel Rechargeable Cells and Batteries - Safety Standard (revision of ANSI C18.2M, Part 2-2014) 20 November 2020

ANSI C63.17 (R2020), Standard Methods of Measurement of the Electromagnetic and Operational Compatibility of Unlicensed Personal Communications Services (UPCS) Devices (reaffirmation of ANSI/IEEE C63.17-2013) 30 November 2020

ANSI/ASSP Z359.1-2020, The Fall Protection Code (revision and redesignation of ANSI/ASSE Z359.1-2016) 19 November 2020

ANSI/NFPA 909-2021, Code for the Protection of Cultural Resource Properties - Museums, Libraries, and Places of Worship (revision of ANSI/NFPA 909-2017) 22 November 2020

ANSI/UL 1323-2020a, Standard for Safety for Scaffold Hoists (revision of ANSI/UL 1323-2020) 25 November 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 first by due date then by the project identifier alphanumeric.

22G/431/FDIS, IEC 61800-5-3 ED1: Adjustable speed electrical power drive systems - Part 5-3: Safety requirements – Functional, electrical and environmental requirements for encoders, 8 January 2021

JTC1-SC25/2991/CD, ISO/IEC 11801-1/AMD1 ED1: Amendment 1 - Information technology - Generic cabling for customer premises - Part 1: General requirements, 22 January 2021

JTC1-SC25/2992/CD, ISO/IEC 14763-3 ED3: Information technology - Implementation and operation of customer premises cabling - Part 3: Testing of optical fibre cabling, 22 January 2021

JTC1-SC41/191/CD, ISO/IEC TR 30174 ED1: Internet of Things (IoT) - Socialized IoT system resembling human social interaction dynamics, 22 January 2021

ISO/DIS 23623, Ageing Societies - Framework for Dementia-inclusive communities, 4 February 2021, \$107.00

ISO/DIS 30422, Human Resource Management - Learning and development, 4 February 2021, \$67.00

ISO/IEC DIS 23094-4, Information technology - General video coding - Part 4: Conformance and Reference software for Essential Video Coding, 8 February 2021, \$102.00

ISO/IEC DIS 23093-3, Information technology - Internet of media things - Part 3: Media data formats and APIs, 12 February 2021, \$269.00

ISO/IEC DIS 21000-22, Information technology – Multimedia framework (MPEG-21) - Part 22: User Description, 13 February 2021, \$203.00

ISO/IEC/IEEE DIS 14764, Software engineering - Software life cycle processes - Maintenance, 14 February 2021, \$107.00

ISO/IEC DIS 15938-17, Information technology - Multimedia content description interface - Part 17: Compression of neural networks for multimedia content description and analysis, 14 February 2021, \$146.00

ISO/IEC DIS 23001-16, Information technology - MPEG systems technologies - Part 16: Derived visual tracks in the ISO base media file format, 14 February 2021, \$71.00

2/2032/CD, IEC TS 60034-25 ED4: Rotating electrical machines – Part 25: AC electrical machines used in power drive systems - Application guide, 19 February 2021

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 for purchases from the [ANSI Webstore](#).

ISO/IEC TR 15944-14:2020, Information technology – Business operational view - Part 14: Open-edi reference model and cloud computing architecture, \$185.00

ISO/IEC TR 29119-11:2020, Software and systems engineering - Software testing - Part 11: Guidelines on the testing of AI-based systems, \$209.00

ISO 20414:2020, Fire safety engineering - Verification and validation protocol for building fire evacuation models, \$209.00

ISO 56005:2020, Innovation management - Tools and methods for intellectual property management - Guidance, \$162.00

TSP meeting schedule

The meeting schedule is posted at <https://www.esta.org/ESTA/meetings.php>. All the meetings will be by WebEx.

Control Protocols Working Group	11:00 – 13:00 EST	Wednesday 27 January 2021
Electrical Power Working Group	15:00 – 17:00 EST	Friday 29 January 2021
Event Safety Working Group	11am – 13:00 EST	Friday 29 January 2021
Floors Working Group	15:00 – 17:00 EST	Tuesday 26 January 2021
Followspot Position Working Group	14:00 – 14:30 EST	Wednesday 27 January 2021
Photometrics Working Group	15:00 – 17:00 EST	Wednesday 27 January 2021
Rigging Working Group	11:00 – 13:00 EST	Tuesday 26 January 2021
Stage Machinery Working Group	11:00 – 13:00 EST	Thursday 28 January 2021
Technical Standards Council	11am – 13:00 EST	Monday 1 February 2021

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

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

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

VISIONARY LEADERS (\$50,000 & up)

ETC

PLASA

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

Chauvet Professional

Cisco

Columbus McKinnon Entertainment Technology

ProSight Specialty Insurance

Robe

Disney Parks Live Entertainment

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

Altman Lighting, Inc.

German Light Products

JR Clancy

McLaren Engineering Group

Rose Brand

Stage Rigging

Theatre Projects

Theatre Safety 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

EGL Event Production Services

Entertainment Project Services

Neil Huff

Interactive Technologies

Jules Lauve

Brian Lawlor

Michael Lay

Limelight Productions, Inc.

Link

John T. McGraw

Mike Garl Consulting

Mike Wood Consulting

Reed Rigging

Reliable Design Services

Alan Rowe

Sapsis Rigging Inc.

Steve A. Walker & Associates

Dana Taylor

Steve Terry

Vertigo

WNP Services

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

Actors' Equity Association

Barbizon Lighting Company

Golden Sea Professional Lighting Provider

IATSE Local 728

IATSE Local 891

Lex

NAMM

Rosco Laboratories

Texas Scenic Company

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

Area Four Industries

American Society of Theatre Consultants

BMI Supply

City Theatrical Inc.

H&H Specialties, Inc.

InterAmerica Stage, Inc.

Lycian Stage Lighting

Niscon Inc.

Tomcat Staging, Lighting and Support Systems

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

Bruce Darden

Guangzhou Color Imagination LED Lighting

Indianapolis Stage Sales & Rentals, Inc.

Kenney Drapery Associates, Inc.

L1 Inc.

Lighting Infusion LLC

Scott Madaski

Mediam Sp. zo.o.

Karen Miller

Nanyi Audio & Lighting Enterprise Co., Ltd.

Qdot Lighting Ltd.

Sanko Device Co. Ltd.

Show Light Oy

Shawn Silverman

Steve Vanciel

Ralph Weber

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

SUPPORTER (\$50 - \$1,499; 20–100 employees/members)
ACT Lighting Inc./AC Power Distribution
ARM Automation, Inc.
Ian Foulds, IATSE Local 873
General Lighting Electronic Co. Ltd.
Guangzhou Shenghui Electronic Technology
Guangzhou YaFeng Optoelectronic Equipment Co.
Guangzhou Yilaiming Photoelectric Technology Co.,
Ltd.
ELECTRON SA
HAYA Light Equipment Ltd. Co.
High Output
InCord
Intella Systems Co., Ltd.
iWeiss
LA ProPoint, Inc.

Moss LED Inc.
Nanshi Lighting
Oasis Stage Werks
Shenzhen Ifountain Technology
Skjonberg Controls Inc.
Stage Equipment & Lighting
Stagemaker
Stageworks
Syracuse Scenery and Stage Lighting Co., Inc.
Taurus Light Co. Ltd.
Ultratec Special Effects
Vincent Lighting Systems
Zhisheng Huang
Zhuhai Shengchang Electronics Co.

SUPPORTER (\$50 - \$199; <20 employees/members)
Adam Blair
Alyxander Bear
Capture Visualisation AB
DMX Pro Sales
Emilium GmbH
Peter Erskine
Foshan Leiyuan Photoelectric Co. Ltd.
Jack Gallagher
Tony Giovannetti
Pat Grenfell
John Huntington
Beverly and Tom Inglesby
Klik Systems

Eddie Kramer
Jason Kyle
David Lascaut
Jason Livingston
LuxBalance Lighting
Tyrone Mellon, Jr.
Lizz Pittsley
Michael Skinner
Studio T+L
Terrier Marketing
Arjan van Vught
Lars Wernland

Extraordinary legacy gift: Ken Vannice

ESTA Standards Watch

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

Editors:

Karl G. Ruling, Technical Standards Manager
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>.