



# Technical Standards Program

## ESTA Standards Watch

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### Seven ESTA standards in public review

Seven standards are posted for public review on the ESTA website at [https://tsp.esta.org/tsp/documents/public\\_review\\_docs.php](https://tsp.esta.org/tsp/documents/public_review_docs.php). Comments for two are due before the end of the day on 5 April 2021. Comments for the other five are due before the end of the day on 19 April 2021. In due-date and then alphanumeric order, the standards are:

**BSR E1.28-2011(R202x), Guidance on planning followspot positions in places of public assembly**, offers guidance on the planning of permanent followspot positions, including recommendations on the locations of the followspot positions within the venue, the power likely to be needed, the waste heat generated, the amount of space likely to be needed, and the fall protection and egress issues to be considered for the followspot operator's safety. The [existing American National Standard](#) is being considered for reaffirmation. Comments are due before April 6. When April 6 starts, the review period is over.

**BSR E1.57- 2016(R202x), Recommendations to prevent falls on or off movable parade floats, movable stages, and similar moving platforms**, establishes minimum levels and measures needed to reduce the risk for performers and technicians in various positions on movable parade floats, movable stages, and similar

moving platforms. The document provides guidance on mitigation methods. The [existing American National Standard](#) is being considered for reaffirmation. Comments are due before April 6, by the end of the day 5 April.

**BSR E1.3, Entertainment Technology - Lighting Control Systems - 0 to 10V Analog Control Specification**, describes a method of controlling devices and equipment by means of an analog control voltage in the nominal range from zero to 10 volts positive. It is primarily intended for theatrical lighting controllers and controlled devices (e.g., dimmers), but any device could use this control method. E1.3 controllers are current-source devices. The working group proposes to reaffirm [the existing standard](#), which was previously reaffirmed in 2016. Comments are due before April 20. When April 20 starts, the review period is over.

**BSR E1.19, Recommended Practice for the Use of Class A Ground-Fault Circuit Interrupters (GFCIs) Intended for Personnel Protection in the Entertainment Industry**, is a revised draft standard. It is intended to offer guidance, in accordance with existing applicable standards, on how to select, install, use and maintain Class A ground fault protection devices with nominal 5 mA trip settings in the entertainment industry. Visit the public review page to download the draft. Comments are due by the end of the day 19 April.

**BSR E1.27-1 - 2006 (R201x) Entertainment Technology - Standard for Portable Control Cables for Use with ANSI E1.11 (DMX512-A) and USITT DMX512/1990 Products**, describes the types of portable cable for the transmission of digital data among products which comply with ANSI E1.11, Entertainment Technology - USITT DMX512-A. It covers recommended cable types, connectors, and their internal wiring. The working group proposes to reaffirm [the existing standard](#), which was previously reaffirmed in 2016. Comments are due before the end of the day 19 April. When April 20 starts, the review period is over.

**BSR E1.30-1 - 2010 (R201x), EPI 23. Device Identification Subdevice**, is part of the E1.30, Application level equipment interoperability for control of commonly encountered entertainment technology devices using ANSI E1.17, project. It specifies a templated device for device identification as typically used for remote hardware and software devices. The working group is proposing to reaffirm [the 2016 version](#). Comments are due before the end of the day 19 April. When April 20 starts, the review period is over. Aw, you missed it.

**BSR E1.30-4-2010 (R201x), EPI 26. Device Description Language (DDL) Extensions for DMX512 and E1.31 Devices**, is another part of the E1.30, Application level equipment interoperability for control of commonly encountered entertainment technology devices using ANSI E1.17, project. This part defines protocol-specific extensions to ANSI E1.17's Device Description Language for describing DMX512-type devices. The working group is proposing to reaffirm [the 2015 version](#). Comments are due before the end of the day 19 April.

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## New EIF outdoor event guidance available

A new version of the COVID Guidance for outdoor events in England is [now available](#). The guidance contains the latest information and has been comprehensively restructured. Please use this rather than previous versions. (As the pandemic changes, the rules change.)

The Welsh Government is in the process of producing guidance for the reopening of events in Wales. EIF is assisting in the writing.

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## IECC to use ANSI-approved process

The International Code Council has announced that future editions of the *International Energy Conservation Code* (IECC) will be developed using the Code Council's ANSI-approved standards development process. Some ICC codes do not use this process because only ICC governmental members—public safety officials who have no financial or business interest in the outcome—are allowed to vote on the final approval of the code. Other ICC documents do use the ANSI process, which requires that multiple interests be allowed to vote. This change will allow people materially affected by the IECC to have a vote, not simply a voice.

A call for applications for the IECC Development Committees will take place in March. The committees will represent diversity across nine interest categories and ensure representation from a diversity of jurisdictions, experiences in building types and energy efficiency strategies, and geographies. One-third of the seats will be for

government regulators, but no seats will be reserved for organizations. More information is available at <https://www.iccsafe.org/building-safety-journal/bsj-technical/international-code-council-releases-new-framework-to-address-energy-efficiency-needs-across-the-entire-building-industry>.

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## Behind the Scenes seeks designers for 2021 holiday cards

Behind the Scenes holiday cards spread holiday cheer while the income from their sales helps provide grants to entertainment technology professionals and family members who are ill or injured, and supports Behind the Scenes' Mental Health and Suicide Prevention Initiative. You can help by designing new cards for 2021 and donating the design to Behind the Scenes.

If you are interested in designing a card, Behind the Scenes will need your commitment no later than April 15th and your artwork by May 15th. Please contact Lori Rubinstein at [info@btshelp.org](mailto:info@btshelp.org) or 1-212-244-1421. The design guidelines ([btshelp.org/carddesign](http://btshelp.org/carddesign)) are simple. Previous examples can be seen at [btshelp.org/cardexamples](http://btshelp.org/cardexamples).

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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. 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.

### Brazil Notification BRA/1146

**Date issued:** 8 March 2021

**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:** Transmission apparatus for radio-broadcasting or television, whether or not incorporating reception apparatus or sound recording or reproducing apparatus; television cameras, digital cameras and video camera recorders (HS 8525)

**Title:** Resolution No. 742, 01 March 2021 - ANATEL (5 pages in Portuguese)

**Description of content:** Resolution No. 742 Amends Resolution No. 711 of May 28, 2019, and the Regulation on Conditions of Use of the Radio Frequency Range of 3.5 GHz, as well as approves the Regulation on Conditions of Use of the Radio Frequency Range from 24.25 GHz to 27.90 GHz.

**Objective and rationale:** The National Telecommunications Agency (ANATEL) is responsible in Brazil for administering the radio spectrum, is running the respective standards, in addition to regulating the efficient and adequate use of the spectrum, restricting the use, or modifying the destination of certain radio frequencies or bands; The 2019 World Radio Communications Conference identified the radio frequency range from 24.25 GHz to 27.5 GHz for International Mobile Telecommunication systems in a harmonized way worldwide and the harmonized use of radio frequency bands by mobile communication systems around the world brings benefits in terms of connectivity and economy of scale; The need to adapt the use of these radio frequency ranges to the technological evolution of mobile communications systems; Mobile communications systems have evolved to provide diverse usage scenarios and applications such as enhanced mobile broadband, massive machine-to-machine communications, and high-reliability, low-latency communications; Low latency and high-transmission rate applications require large contiguous blocks of radio frequency ranges; The intrinsic characteristics of radio frequency bands in millimeter waves facilitate the use of advanced antenna systems, including multiple antennas and beam forming techniques, in support of the provision of mobile broadband access; SEI process number 53500.004083/2018-79.; Other

**Relevant documents:** 1) Brazilian Official Gazette no.40 on 02 March 2021

2) SEI process number 53500.004083/2018-79

3) Regulatory Impact Analysis <https://www.in.gov.br/web/dou/-/resolucao-anatel-n-742-de-1-de-marco-de-2021-306201357> [https://sei.anatel.gov.br/sei/modulos/pesquisa/md\\_pesq\\_processo\\_exibir.php?exlsiWoPbTSMJNP15y\\_TiUpWifXjgqaCc-xbh3o0V5ttS0uQqIkRDNDdsrlbDPN0z9DjOh\\_HT6NYS\\_BYkN5mIE\\_H4Ff3cOvAT8MO7g7BHQi1sU9OG21L](https://sei.anatel.gov.br/sei/modulos/pesquisa/md_pesq_processo_exibir.php?exlsiWoPbTSMJNP15y_TiUpWifXjgqaCc-xbh3o0V5ttS0uQqIkRDNDdsrlbDPN0z9DjOh_HT6NYS_BYkN5mIE_H4Ff3cOvAT8MO7g7BHQi1sU9OG21L)

[EN4F9O-UCZm](#)

[https://sei.anatel.gov.br/sei/modulos/pesquisa/md\\_pesq\\_documento\\_consulta\\_externa.php?eEP-wqk1skrd8hSlk5Z3rN4EVg9uLJqrLYJw\\_9INcO6wnuqKm9eKM85cT0XGL63qu1Flq006LGrSnOsCmJMWjZbB6\\_QnWrEwubvQ8ejhlXF-UKdbH3uHtO1MDky1P8w8](https://sei.anatel.gov.br/sei/modulos/pesquisa/md_pesq_documento_consulta_externa.php?eEP-wqk1skrd8hSlk5Z3rN4EVg9uLJqrLYJw_9INcO6wnuqKm9eKM85cT0XGL63qu1Flq006LGrSnOsCmJMWjZbB6_QnWrEwubvQ8ejhlXF-UKdbH3uHtO1MDky1P8w8)

**Proposed date of adoption:** Not given by country

**Proposed date of entry into force:** Not given by country

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

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/BRA/full\\_text/pdf/BRA1146\[1\]\(portuguese\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/BRA/full_text/pdf/BRA1146[1](portuguese).pdf)

and [https://tsapps.nist.gov/notifyus/docs/wto\\_country/BRA/full\\_text/pdf/BRA1146\[2\]\(portuguese\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/BRA/full_text/pdf/BRA1146[2](portuguese).pdf)

### **United Kingdom Notification GBR/38**

**Date issued:** 11 March 2021

**Agency responsible:** Department for Business Energy and Industrial Strategy, and the Office for Zero Emission Vehicles

**National inquiry point:** UK TBT Enquiry Point

**Products covered:** Electric Vehicle Chargepoints - HS 8702400000; Motor vehicles for the transport of >= 10 persons, incl. driver, with only electric motor for propulsion (HS 870240)

**Title:** The Electric Vehicles (Smart Charge Points) Regulations 2021 (6 pages in English)

**Description of content:** This is an early notice publication of regulations to be laid under the 'Automated and electric vehicles (AEV) act 2018'. The AEV Act gives the UK Government the powers through secondary legislation to mandate that private electric vehicle (EV) chargepoints sold or installed in the UK must have smart functionality and meet minimum device-level requirements.

The UK will provide a subsequent notification with draft text, notified under article 2.9.2 with an appropriate comment period, post publication of the Government's consultation response, expected in June/July 2021 ahead of laying legislation later this year.

**Objective and rationale:** Decarbonising transport is an essential step towards the UK reaching its target of bringing all greenhouse gas emissions to net zero by 2050. In 2020, the UK Government announced an accelerated, 2-phased approach to ending the sale of new petrol and diesel cars, with the phase-out date brought forward to 2030, and all new cars and vans to be fully zero emission at the tailpipe from 2035. For this to happen, our electricity system needs to be able to meet the extra demand created by electric vehicles. EVs offer new opportunities for consumers to be part of a smarter and more flexible electricity system. Smart charging, for example during off-peak periods when electricity demand is low, means consumers can benefit from cheaper electricity and avoids triggering unnecessary network reinforcement. Charging of EVs can also be shifted to periods where there is plentiful renewable electricity generation and support system operation by providing demand side response services. To ensure the UK has the infrastructure in place to support a smarter energy system, these regulations aim to embed smart functionality within chargepoints across "private" settings such as homes and workplaces. Secondly these regulations ensure that smart chargepoints meet minimum device-level requirements to mitigate the potential risks posed by smart charging, such as cyber security; Protection of the environment

**Relevant documents:** 1. Pre-Notification Covering Note

2. Electric Vehicle Smart Charging consultation (Annex E includes draft legislation)

3. Electric Vehicle Smart Charging consultation: Summary of Responses

4. The Automated and Electric Vehicles Act 2018

**Proposed date of adoption:** Not given by country

**Proposed date of entry into force:** Not given by country

**Final date for comments:** 31 March 2021

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/GBR/full\\_text/pdf/GBR38\[1\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/GBR/full_text/pdf/GBR38[1](english).pdf),

[https://tsapps.nist.gov/notifyus/docs/wto\\_country/GBR/full\\_text/pdf/GBR38\[2\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/GBR/full_text/pdf/GBR38[2](english).pdf), and

[https://tsapps.nist.gov/notifyus/docs/wto\\_country/GBR/full\\_text/pdf/GBR38\[3\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/GBR/full_text/pdf/GBR38[3](english).pdf)

### **Israel Notification ISR/1184**

**Date issued:** 15 March 2021

**Agency responsible:** Israel WTO-TBT Enquiry Point, Ministry of Industry, Trade and Labor (MOITAL)

**National inquiry point:** Israel WTO-TBT Enquiry Point, Ministry of Industry, Trade and Labor (MOITAL)

**Products covered:** All products and commodities subject to Mandatory Standards

**Title:** Import and Export Decree (Import Groups), 5721-2021 (65 pages in Hebrew)

**Description of content:** The Minister of Economy and Industry had signed Israel's Import and Export Decree (Import Groups). This Decree updates Israel's Import Groups Regime and eases the conformity assessment requirements for imported products subject to Israel Mandatory Standards. There are currently about 500 Mandatory Standards in Israel (excluding food) subject to this regulatory import regime. These standards are divided into four import groups according to the products' potential risk:

- Group 1 - Highest risk level: Requires type approval; Partial tests for each shipment (currently about 240 standards);
- Group 2 - Intermediate risk level: Requires type approval; Importer's declaration of conformity for each shipment (currently about 170 standards);
- Group 3 - Low level of danger: Requires only an importer's declaration of conformity for each shipment;
- Group 4 - Goods intended solely for industrial use: Does not require any examination before releasing from customs.

As part of the reform, only 150 standards will remain in Group 1, and the rest will be moved and classified under Groups 2 and 3; Thus, the import regime will be eased, followed by increased market surveillance. This reform will not apply to high prioritized products, such as products intended for babies and toddlers, gas-operated appliances, etc., that will remain in Import Group 1. The reform will enter into force in three steps:

- First step - 1 May 2021: The standards detailed as "First step" included in Annex 5 (pages 43-49) will be moved on 1 May 2021 to the new Import Group as detailed in the 4th column and according to conditions, where applicable;
- Second step - 2 March 2022: The standards detailed as "Second step" included in Annex 5 (pages 50-57) will be moved on 2 March 2022 to the new Import Group as detailed in the 4th column and according to conditions, where applicable;
- Third step - 2 March 2023: The standards detailed as "Third step" included in Annex 5 (pages 58-68) will be moved on 2 March 2023 to the new Import Group as detailed in the 4th column and according to conditions, where applicable.

The Commissioner of Standardization has the authority to postpone the entry into force of each step unless arrangements for the increased market surveillance are fulfilled.

**Objective and rationale:** Reducing trade barriers and facilitating trade

**Relevant documents:** - Import and Export Ordinance [New Version], 5769-1979;  
- Standards Law, 5733-1953.

**Proposed date of adoption:** 2 March 2021

**Proposed date of entry into force:** 1 May 2021

**Final date for comments:** 30 April 2021

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/ISR/full\\_text/pdf/ISR1184\(hebrew\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/ISR/full_text/pdf/ISR1184(hebrew).pdf)

### **Canada Notification CAN/634**

**Date issued:** 3 March 2021

**Agency responsible:** Department of Innovation, Sciences and Economic Development

**National inquiry point:** Foreign Affairs, Trade and Development Canada

**Products covered:** Radiocommunications (white space devices)

**Title:** Consultation of RSS-222, Issue 3, (27 pages, available in English & French) Consultation of DBS-01, Issue 3, (38 pages, available in English & French)

**Description of content:** Notice is hereby given by the Ministry of Innovation, Science and Economic Development Canada that the following consultations have been released:

- RSS-222, Issue 3, White Space Devices (WSDs), sets out the certification requirements for licence-exempt radio apparatus operating in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz, 470-608 MHz and 657-663 MHz, known as white space devices (WSDs)

- DBS-01, Issue 3, White Space Database Specifications which sets out the technical requirements for the designation of a database capable of identifying available channels for use by white space devices in the white space frequency bands (i.e. 54-72 MHz, 76-88 MHz, 174-216MHz, 470-608 MHz and 657-663 MHz)

**Objective and rationale:** Consultation; Other

**Relevant documents:** The electronic version of the regulatory texts can be found at the following Web site:

<https://www.rabc-cccr.ca/ised-radio-standard-specifications-rss-222-issue-3-february-2021-draft-white-space-devices-wsds/> (English)

<https://www.rabc-cccr.ca/fr/ised-cahier-des-charges-sur-les-normes-radioelectriques-cnr-222-3re-edition-fevrier-2021-ebauche-dispositifs-despaces-blancs-deb/> (Français)

<https://www.rabc-cccr.ca/ised-white-space-database-specification-dbs-01-issue-3-february-2021-draft-white-space-database-specifications/> (English)  
<https://www.rabc-cccr.ca/fr/isde-cahier-des-charges-sur-les-bases-de-donnees-despaces-blancs-cbd-01-3re-edition-fevrier-2021-ebauche-cahier-des-charges-sur-les-bases-de-donnees-despaces-blancs/> (Français)  
Comments should be submitted online using the following links: <https://www.rabc-cccr.ca/ised-radio-standard-specifications-rss-222-issue-3-february-2021-draft-white-space-devices-wsds/>  
<https://www.rabc-cccr.ca/ised-white-space-database-specification-dbs-01-issue-3-february-2021-draft-white-space-database-specifications/>

Please also submit your comments by e-mail to [enquiry@international.gc.ca](mailto:enquiry@international.gc.ca). Be sure to copy the e-mail address of your National Enquiry Point on your comments submission to Canada's Enquiry Point; contact information for all Enquiry Points is accessible from <http://tbtims.wto.org/en/NationalEnquiryPoints/Search>.

**Proposed date of adoption:** Not given by country

**Proposed date of entry into force:** Not given by country

**Final date for comments:** 10 May 2021

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/CAN/full\\_text/pdf/CAN634\[1\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN634[1](english).pdf) and [https://tsapps.nist.gov/notifyus/docs/wto\\_country/CAN/full\\_text/pdf/CAN634\[2\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN634[2](english).pdf)

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## 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](mailto:psa@ansi.org).

### Due 12 April 2021

#### **BSR/ASME B30.20-202x, Below-the-Hook Lifting Devices** (revision of ANSI/ASME B30.20-2018)

Volume B30.20 includes provisions that apply to the marking, construction, installation, inspection, testing, maintenance, and operation of below-the-hook lifting devices, used for attaching loads to a hoist. The requirements in this volume also apply to clamps used for positioning and anchoring.

Single copy price: Free

Obtain an electronic copy from: <http://cstools.asme.org/publicreview>

Send comments to: Kathleen Peterson, [peterstonk@asme.org](mailto:peterstonk@asme.org)

#### **ANSI/CTA 2017-A-2010 (R2016), Common Interconnection for Portable Media Players** (withdrawal of ANSI/CTA 2017-A-2010 (R2016))

Defines electrical and mechanical properties for a connector that will pass audio; high-definition video; highspeed/superspeed universal serial bus (USB); and associated metadata signals, control signals, and power between portable electronic devices and in-home and in-vehicle audio/video systems.

Single copy price: Free

Order from and send comments to: Veronica Lancaster, [vlancaster@cta.tech](mailto:vlancaster@cta.tech)

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

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

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

Order from and send comments to: Aga Golriz, [Aga.golriz@necanet.org](mailto:Aga.golriz@necanet.org)

#### **BSR C82.15-202X, LED Drivers Robustness** (new standard)

This standard describes testing methods used to evaluate LED drivers' robustness (ability to withstand specific stress described) and defines a minimum level of robustness. It includes LED drivers that operate from supply sources up to 600 V and 60 Hz or DC applications.

Single copy price: \$100.00

Order from and send comments to: Michael Erbesfeld, [Michael.Erbesfeld@nema.org](mailto:Michael.Erbesfeld@nema.org)

**BSR/TIA 862-C-202x, Structured Cabling Infrastructure Standard for Intelligent Building Systems** (revision and redesignation of ANSI/TIA 862-B-1-2017)

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 utilize or can utilize 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](mailto:standards-process@tiaonline.org)

**Due 19 April 2021**

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

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

Single copy price: \$100.00

Order from and send comments to: Tim Fisher, [tfisher@assp.org](mailto:tfisher@assp.org)

**BSR/ASSP Z459.1-202x, Safety Requirements for Rope Access Systems** (new standard)

This standard sets forth accepted practices for rope access work. It is applicable for use in any environment where ropes are suspended from or connected to a structure or natural feature and used as the primary means of access, egress, or support and as the primary means of secondary protection against a fall. This standard is not intended to apply to recreational use of ropes or to methods used by professional emergency response personnel, although persons engaged in such activities may benefit from the advice, principles, and practices in this standard. This is the same project as the originally proposed Z359.8 standard but the committee decided to change the numbering.

Single copy price: \$110.00

Order from and send comments to: Lauren Bauerschmidt, [LBauerschmidt@assp.org](mailto:LBauerschmidt@assp.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 4-pair cabling.

Single copy price: \$133.00

Order from and send comments to: TIA, [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)

**Due 27 April 2021**

**BSR/ASME A112.4.2/CSA B45.16-202x, Personal Hygiene Devices for Water Closets** (revision of ANSI/ASME A112.4.2/CSA B45.16-2015 (R2020))

This standard covers personal hygiene devices for water closets and specifies requirements for materials, construction, performance, testing, and markings. ("Products covered by this Standard include bidet sprayers and other retrofit personal hygiene devices . . .")

Single copy price: Free

Obtain an electronic copy from: <http://cstools.asme.org/publicreview>

Order from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments to: Angel L. Guzman Rodriguez, [guzman@asme.org](mailto:guzman@asme.org)

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## DIN public review announcement

The Deutsches Institut für Normung has announced a draft document possibly of interest to *Standards Watch* readers, which is open for public review until 26 April 2021. The document is in German and English; the edition on-line on the DIN website is in German. After you register with DIN at <http://www.entwuerfe.din.de/>, you may comment on DIN draft standards.

**DIN EN 17650, Ein Rahmenwerk für die digitale Erhaltung von kinematografischen Werken - Das Cinema Preservation Package; Deutsche und Englische Fassung prEN 17650:2021** (A framework for digital preservation of cinematographic works - The Cinema Preservation Package; German and English version prEN 17650:2021)

This document defines the Cinema Preservation Package (CPP) to facilitate the digital preservation of cinema films. It defines methods for describing the relationship between the components of the cinematographic work and provides syntax for describing the contents of the package. The standard defines the structure of the package and specifies the restrictions necessary to enable conformity and interoperability. Versions of the content that use different encoding formats can be kept in a layered structure, with the lowest level describing the physical file. The files can contain data representing moving images, sound, metadata or additional information such as quality control protocols (QC) or movie posters. The Cinema Preservation Package also includes hash values at various levels to ensure data integrity and version control. The syntax for this description and the methods for generating hash values are defined in the standard. Different types of content encoding are described for reference for specific implementations.

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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 MH27.1-202X, Patented Track Underhung Cranes and Monorail Systems** (revision of ANSI MH27.1-2016)

This standard applies to underhung cranes whose end trucks operate on the lower flange of a patented-track runway section; and to carriers (trolleys) operating on single-track patented-track monorail systems, including all curves, switches, transfer devices, lift and drop sections, and associated equipment. Systems used for transporting personnel require special considerations and are not included in this standard.

Contact: Patrick Davison, [pdavison@mhi.org](mailto:pdavison@mhi.org)

**BSR MH27.2-202X, Enclosed Track Underhung Cranes and Monorail Systems** (revision of ANSI MH27.2-2017)

This standard applies to underhung cranes whose end trucks operate on the internal flange of a runway using enclosed track section; and to trolleys (carriers) operating on single-track monorail systems, including all curves, switches, transfer devices, lift and drop sections, and associated equipment. Systems used for transporting personnel require special considerations and are not included in these specifications.

Contact: Patrick Davison, [pdavison@mhi.org](mailto:pdavison@mhi.org)

**BSR/E1.37-8-202x, Additional Message Sets for ANSI E1.20 (RDM) - IPv6 & Improved IPv4 Configuration Messages** (new standard)

This document is intended to eventually supersede ANSI E1.37-2, Additional Message Sets for ANSI E1.20 (RDM) – Part 2, IPv4 & DNS Configuration Messages. E1.37-2 did not include support for IPv6, WiFi configuration, and other common needs. There have been many deficiencies identified in the data model used in E1.37-2 that made replacement with a more comprehensive model needed that addresses both IPv4 and IPv6, especially with the advent of ANSI E1.33 (RDMnet).

Contact: Karl Ruling, [standards@esta.org](mailto:standards@esta.org)

**BSR/E1.73-202x, Next Generation Entertainment Control Model: Uniform Device Representation (UDR)** (new standard)

This standard provides a framework by which manufacturers of entertainment equipment can describe controllable and visualizable devices in a digital format. The framework will enable the provision of descriptive information about devices and their state, including both parameters and physical properties, and the metadata needed to describe them. This will not extend to methods for controlling in real-time or manipulating device parameters, e.g., in a networked control environment. A standard method will be provided to map controllable parameters to existing control endpoints, specifically endpoints associated with the control protocols defined in

ANSI E1.11 (DMX512), ANSI E1.20 (RDM), and/or ANSI E1.31 (sACN). Future control protocols may utilize this format natively for real-time control.

Contact: Karl Ruling, [standards@esta.org](mailto:standards@esta.org)

**BSR E1.41-202x, Recommendations for the Measurement of Entertainment Luminaires Utilizing Solid State Light Sources** (revision of ANSI E1.41-2016)

This standard is intended to be used for the presentation of photometric data for luminaires employing solid-state light sources used in the entertainment and performance industries. This standard defines photometric data that may be presented on documents purporting to accurately describe the photometric performance of these luminaires when producing both white and colored light.

Contact: Karl Ruling, [standards@esta.org](mailto:standards@esta.org)

**BSR Z535.2-202x, Standard for Environmental and Facility Safety Signs** (revision of ANSI Z535.2-2011 (R2017))

This standard sets forth a system for presenting safety and accident prevention information through environmental and facility safety signs. It consolidates a number of previous graphic approaches into a common design direction selected to present hazard information in an orderly and visually consistent manner.

Contact: Paul Orr, [orrpaul@aol.com](mailto:orrpaul@aol.com)

**BSR Z535.3-202x, Criteria for Safety Symbols** (revision of ANSI Z535.3-2011 (R2017))

This standard provides general criteria for the design, evaluation, and use of safety symbols to identify and warn against specific hazards and to provide information to avoid personal injury.

Contact: Paul Orr, [orrpaul@aol.com](mailto:orrpaul@aol.com)

**BSR Z535.4-202x, Product Safety Signs and Labels** (revision of ANSI Z535.4-2011 (R2017))

This standard sets forth requirements for the design, application, use, and placement of safety signs and labels on a wide variety of products.

Contact: Paul Orr, [orrpaul@aol.com](mailto:orrpaul@aol.com)

**BSR Z535.5-202x, Safety Tags and Barricade Tapes (for Temporary Hazards)** (revision of ANSI Z535.5-2011 (R2017))

This standard sets forth requirements for the design, application, and use of safety tags and barricade tapes for temporary hazards. They shall be used only until the identified hazard is eliminated, or the hazardous operation is completed. For example, a safety tag would be appropriate for use during lock-out/tag-out procedures or on a damaged tool until it can be properly removed from the work area. Barricade tape would be suitable to mark an area affected by a chemical spill or an open and temporary trench.

Contact: Paul Orr, [orrpaul@aol.com](mailto:orrpaul@aol.com)

**BSR Z535.6-202x, Product Safety Information in Product Manuals, Instructions and Other Collateral Materials** (revision of ANSI Z535.6-2011 (R2017))

This standard sets forth requirements for the design and location of product safety messages in collateral materials for a wide variety of products.

Contact: Paul Orr, [orrpaul@aol.com](mailto:orrpaul@aol.com)

**BSR/NFPA 33-202x, Standard for Spray Application Using Flammable or Combustible Materials** (revision of ANSI/NFPA 33-2021)

The principal hazards addressed in this standard are those of the materials being sprayed: flammable and combustible liquids and combustible powders, as well as their vapors, mists, and dusts, and the highly combustible deposits and residues that result from their use.

Contact: Dawn Michele Bellis, [dbellis@nfpa.org](mailto:dbellis@nfpa.org)

**BSR/NFPA 34-202x, Standard for Dipping, Coating, and Printing Processes Using Flammable or Combustible Liquids** (revision of ANSI/NFPA 34-2021)

This standard shall apply to dipping, roll coating, flow coating, curtain coating, printing, cleaning, and similar processes in which articles or materials are passed through tanks, vats, or containers, or passed over rollers,

drums, or other process equipment that contain flammable or combustible liquids.

Contact: Dawn Michele Bellis, [dbellis@nfpa.org](mailto:dbellis@nfpa.org)

**BSR/NFPA 79-202x, Electrical Standard for Industrial Machinery** (revision of ANSI/NFPA 79-2021)

The provisions of this standard shall apply to the electrical/electronic equipment, apparatus, or systems of industrial machines operating from a nominal voltage of 600 volts or less, and commencing at the point of connection of the supply to the electrical equipment of the machine. This standard does not include the additional requirements for machines intended for use in hazardous (classified) locations.

Contact: Dawn Michele Bellis, [dbellis@nfpa.org](mailto:dbellis@nfpa.org)

**BSR/NFPA 170-202x, Standard for Fire Safety and Emergency Symbols** (revision of ANSI/NFPA 170-2021)

This standard presents symbols used for fire safety, emergency, and associated hazards.

Contact: Dawn Michele Bellis, [dbellis@nfpa.org](mailto:dbellis@nfpa.org)

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## Final actions on American National Standards

The documents listed below may be of interest to *Standards Watch* readers and have been approved by the ANSI Board of Standards Review or by an ANSI-Audited Designator on the date noted.

**ANSI/ASQ G1-2021**, Guidelines for Evaluating the Quality of Government Operations and Services (new standard), 22 February 2021

**ANSI/AWS D1.6/D1.6M-2021-AMD1**, Structural Welding Code - Stainless Steel (supplement to ANSI/AWS D1.6/D1.6M-2017), 22 February 2021

**ANSI/PMI 99-001-2021**, The Standard for Project Management (revision of ANSI/PMI 99-001-2017), 16 February 2021

**ANSI/ASHRAE Addendum 62.1a-2019**, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2019), 26 February 2021

**ANSI/ASHRAE/IES Addendum a to ANSI/ASHRAE/IES Standard 100-2018**, Energy Efficiency in Existing Buildings (addenda to ANSI/ASHRAE/IES Standard 100-2018), 26 February 2021

**ANSI/ASHRAE/IES Addendum f to ANSI/ASHRAE/IES Standard 90.1-2019**, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019), 26 February 2021

**ANSI/ASHRAE/IES Addendum p to ANSI/ASHRAE/IES Standard 90.1-2019**, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019), 26 February 2021

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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 first by due date then by the project identifier alphanumeric.

**ISO/IEC DIS 29168-1**, Information technology - Open systems interconnection - Part 1: Object identifier resolution system, 8 May 2021, \$88.00

**ISO/IEC DIS 21122-2**, Information technology - JPEG XS low-latency lightweight image coding system - Part 2: Profiles and buffer models, 14 May 2021, \$119.00

**ISO/IEC DIS 23003-7**, Information technology - MPEG audio technologies - Part 7: Unified speech and audio coding conformance testing, 14 May 2021, \$119.00

**ISO/IEC DIS 38507**, Information technology - Governance of IT - Governance implications of the use of artificial intelligence by organizations, 14 May 2021, \$88.00

**SyCSmartCities/183/CD, IEC SRD 63233-1 ED1**: Systems Reference Deliverable (SRD) - Smart City Standards Inventory and Mapping Part 1: Methodology, 21 May 2021

**ISO/IEC 9594-2/DAMd1**, Information technology - Open systems interconnection - Part 2: The Directory: Models - Amendment 1: Password policy support, 10 November 2028 [*It says 2028 in the notice.*], \$33.00

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## 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](#).

**IEC 61800-5-3 Ed. 1.0 b:2021**, Adjustable speed electrical power drive systems - Part 5-3: Safety requirements – Functional, electrical and environmental requirements for encoders, \$417.00

**IEC 61937-1 Ed. 3.0 b:2021**, Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 1: General, \$183.00

**IEC 61937-SER Ed. 1.0 b:2021**, Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - ALL PARTS, \$1732.00

**IEC 62793 Ed. 2.0 b:2020**, Thunderstorm warning systems - Protection against lightning, \$310.00

**ISO 14053:2021**, Environmental management - Material flow cost accounting - Guidance for phased implementation in organizations, \$111.00

**ISO 14091:2021**, Adaptation to climate change - Guidelines on vulnerability, impacts and risk assessment, \$200.00

**ISO 14819-2:2021**, Intelligent transport systems - Traffic and travel information messages via traffic message coding - Part 2: Event and information codes for Radio Data System-Traffic Message Channel (RDS-TMC) using ALERT-C, \$250.00

**ISO 22300:2021**, Security and resilience - Vocabulary, \$48.00

**ISO 23234:2021**, Buildings and civil engineering works - Security - Planning of security measures in the built environment, \$149.00

**ISO/IEC 22123-1:2021**, Information technology - Cloud computing - Part 1: Vocabulary, \$48.00

**ISO/IEC 23090-3:2021**, Information technology – Coded representation of immersive media - Part 3: Versatile video coding, \$250.00

**ISO/IEC TS 27110:2021**, Information technology, cybersecurity and privacy protection - Cybersecurity framework development guidelines, \$149.00

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## 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 – 14:00 EDT	Wednesday 14 April 2021
Electrical Power Working Group	15:00 – 17:00 EDT	Friday 16 April 2021
Event Safety Working Group	11:00 – 13:00 EDT	Friday 16 April 2021
Floors Working Group	15:00 – 17:00 EDT	Tuesday 13 April 2021
Fog & Smoke Working Group	11:00 – 13:00 EDT	Monday 12 April 2021
Photometrics Working Group	15:00 – 17:00 EDT	Wednesday 14 April 2021
Rigging Working Group	11:00 – 13:00 EDT	Tuesday 13 April 2021
Stage Machinery Working Group	11:00 – 13:00 EDT	Thursday 15 April 2021
Technical Standards Council	11:00 – 13:00 EDT	Monday 19 April 2021

EDT = UTC -4:00

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## ESTA Standards Watch

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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](mailto:standards@esta.org).

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

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