



Technical Standards Program

ESTA Standards Watch

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Table of Contents

A quartet of TSP standards in public review.....	1
Proposal submission opens for ICC Group A code changes.....	2
WTO Technical Barrier to Trade notifications.....	2
United States of America Notification USA/1656.....	2
United States of America Notification USA/1658.....	2
United States of America Notification USA/1660.....	3
Korea, Republic of Notification KOR/925.....	4
European Union Notification EU/753.....	4
ANSI public review announcements.....	5
Due 23 November 2020.....	5
Due 30 November 2020.....	5
Due 7 December 2020.....	6
Due 15 December 2020.....	6
Due 22 December 2020.....	6
BSI public review announcements.....	6
Due 9 December 2020.....	6
Due 16 December 2020.....	7
DIN public review announcement.....	7
Due by 30 December 2020.....	7
New ANS projects.....	7
Final actions on American National Standards.....	9
Draft IEC & ISO documents.....	10
Recently published IEC & ISO documents.....	10
TSP meeting schedule.....	11
TSP donors who have made long-term, multi-year pledges.....	12
Investors in Innovation, supporters of ESTA's Technical Standards Program.....	13

A quartet of TSP standards in public review

Four TSP standards (three draft, one reaffirmation) are posted for public review on ESTA's TSP website. Check'em out and the supporting documents at https://tsp.esta.org/tsp/documents/public_review_docs.php. Comments are due by the end of the day on December 14.

BSR E1.67, Entertainment Technology -- Design, Inspection, Maintenance, Selection, and Use of Hand and Lever Chain Hoists in the Entertainment Industry, covers the design, inspection, maintenance, selection, and use of 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.

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.

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.

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).

Proposal submission opens for ICC Group A code changes

The code development process for the 2024 International Codes has begun. cdpACCESS for Group A code changes opened on October 19 and offers Code Council members and others in building safety and the construction industry an opportunity to offer expertise to develop the next generation of International Codes via [cdpACCESS](#). The Group A codes are IBC- E, IBC - FS, IBC -G, IFC, IFGC, IMC, IPC, IPMC, IPSDC, IRC – M, IRC- P, ISPSC, IWUIC, and IZC. The decoder for this code of Codes can be found at <https://codes.iccsafe.org/codes/i-codes>.

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/1656

Date issued: 19 October 2020

Agency responsible: California Energy Commission

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Computers and computer monitors

Title: Computer and Monitor Regulations (10 pages in English)

Description of content: Proposed rule - The broad objective of this rulemaking is to update the Appliance Efficiency Regulations to modify and clarify existing standards and test procedures for computers and computer monitors to incorporate new technologies and innovations.

Objective and rationale: Protection of the environment

Relevant documents: Docket No. 20-AAER-03 Computers and Computer Monitors Notice Published on 2 October 2020: <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=20-AAER-03>

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 16 November 2020

Full text of the notice: [https://tsapps.nist.gov/notifyus/docs/wto_country/USA/full_text/pdf/USA1656\[1\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/USA/full_text/pdf/USA1656[1](english).pdf) and [https://tsapps.nist.gov/notifyus/docs/wto_country/USA/full_text/pdf/USA1656\[2\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/USA/full_text/pdf/USA1656[2](english).pdf)

United States of America Notification USA/1658

Date issued: 19 October 2020

Agency responsible: Environmental Protection Agency (EPA)

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Chemical substances

Title: Significant New Use Rules on Certain Chemical Substances (20-9.B) (6 pages in English)

Description of content: The EPA is proposing significant new use rules (SNURs) under the Toxic Substances Control Act (TSCA) for chemical substances which are the subject of premanufacture notices (PMNs). This action would require persons to notify EPA at least 90 days before commencing manufacture (defined by statute to include import) or processing of any of these chemical substances for an activity that is designated as a significant new use by this proposed rule. This action would further require that persons not commence manufacture or processing for the significant new use until they have submitted a Significant New Use Notice (SNUN), and EPA has conducted a review of the notice, made an appropriate determination on the notice, and has taken any risk management actions as are required as a result of that determination.

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

Relevant documents: 85 Federal Register (FR) 65782, 16 October 2020; Title 40 Code of Federal Regulations (CFR) Part 721: <https://www.govinfo.gov/content/pkg/FR-2020-10-16/pdf/2020-20058.pdf>

This notice and request for information is identified by Docket Number EPA-HQ-OPPT-2020-0411. The Docket Folder is available on Regulations.gov at <https://www.regulations.gov/docket?D=EPA-HQ-OPPT-2020-0411> 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.

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 16 November 2020

Full text: <https://www.govinfo.gov/content/pkg/FR-2020-10-16/pdf/2020-20058.pdf>

[The listed chemicals include 9-Octadecenoic acid (9Z)-, compd. with Ncyclohexylcyclohexanamine (CAS number 22256-71-9); and Bis[(hydroxyalkoxy) aryl]carbopolycyclic (no CAS number). These are as listed in the *Federal Register*.]

United States of America Notification USA/1660

Date issued: 21 October 2020

Agency responsible: Environmental Protection Agency (EPA)

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Chemical substances

Title: Significant New Use Rules on Certain Chemical Substances (20-10.B) (7 pages in English)

Description of content: Proposed rule - EPA is proposing significant new use rules (SNURs) under the Toxic Substances Control Act (TSCA) for chemical substances which are the subject of premanufacture notices (PMNs). This action would require persons to notify EPA at least 90 days before commencing manufacture (defined by statute to include import) or processing of any of these chemical substances for an activity that is designated as a significant new use by this proposed rule. This action would further require that persons not commence manufacture or processing for the significant new use until they have submitted a Significant New Use Notice (SNUN), and EPA has conducted a review of the notice, made an appropriate determination on the notice, and has taken any risk management actions as are required as a result of that determination.

Objective and rationale: Protection of the environment

Relevant documents: 85 Federal Register (FR) 66506, 20 October 2020; Title 40 Code of Federal Regulations (CFR) Part 721: <https://www.govinfo.gov/content/pkg/FR-2020-10-20/pdf/2020-22645.pdf>

This proposed rule is identified by Docket Number EPA-HQ-OPPT-2020-0497. The Docket Folder is available on Regulations.gov at <https://www.regulations.gov/docket?D=EPA-HQ-OPPT-2020-0497> 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.

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 19 November 2020

Full text: <https://www.govinfo.gov/content/pkg/FR-2020-10-20/pdf/2020-22645.pdf>

[The listed chemicals include 2-(2(Methylcaboxymonocyclic)amino) ethoxy)-alcohol (no CAS number); Propanedioic acid, 1,3-dihexyl ester (CAS number 1431-37-4); Propanedioic acid, 1,3-dicyclohexyl ester (CAS number 1152-57-4); Propanedioic acid, 2,2-bis(hydroxymethyl)-, 1,3-dicyclohexyl ester (CAS number 222732-46-7); and formaldehyde, polymer with alkyl aryl ketone (no CAS number). These are as listed in the *Federal Register*.]

Korea, Republic of Notification KOR/925

Date issued: 20 October 2020

Agency responsible: Korea WTO TBT Enquiry Point ; Korean Agency for Technology and Standards (KATS), Ministry of Commerce, Industry and Energy (MOCIE) (KATS/MOCIE)

National inquiry point: Korea WTO TBT Enquiry Point ; Korean Agency for Technology and Standards (KATS), Ministry of Commerce, Industry and Energy (MOCIE) (KATS/MOCIE)

Products covered: Meteorological Instruments subject to Article 12-2: Thermometers, Barometers, Hygrometers, Anemoscopes, Anemometers, Sunshine recorders, Pyranometers, Rain gauges, Evaporimeters, Snow-depth sensors

[These regulations would affect people in the entertainment industry using the devices, such as anemometers, for weather monitoring at events.]

Title: Draft partial amendment of the Enforcement Decree of the Weather Observation Standardization Act
Draft partial amendment of the Enforcement Rules of the Weather Observation Standardization Act (17 pages in Korean; 67 pages in Korean)

Description of content: Korea Meteorological Administration of the Republic of Korea is proposing to amend the "Enforcement Decree of the Weather Observation Standardization Act" and "Enforcement Rules of the Weather Observation Standardization Act". The main changes proposed are:

This is the introduction of a type approval system for meteorological observation instruments that are provided for observation purposes to organizations performing meteorological observation.

As the Weather Observation Standardization Act [Enforcement Date 18. Apr. 2021, Act No.15585, 17. Apr. 2018., Partial Amendment] is revised, it describes in details such as meteorological instruments applicable to a type approval and the requirements for designation of type approval agencies which are entrusted by the law including necessary matters for the enforcement of it.

- Meteorological instruments prescribed by Presidential Decree subject to type approval (Article 5-2 of Draft)
- Requirements for designation of type approval agency (Article 5-3 of Draft)
- Deletion of the list of instruments for testing and approval as meteorological instruments (Article 6 of Draft)
- In consideration of the current testing environment, adjustment of exemption list from the testing and approval as meteorological instruments (Article 6-2 of Draft)
- Revision of the requirements for the designation of meteorological instrument testing agency to match the requirements for the designation of type approval agency (Article 7 of Draft)

Objective and rationale: Quality requirements; Harmonization

Relevant documents: Korea Meteorological Administration Public Notice No.2020-89, No.2020-90 (23 September 2020)

Proposed date of adoption: 17 April 2021

Proposed date of entry into force: 17 April 2021

Final date for comments: 19 December 2020

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/KOR/full_text/pdf/KOR925\[1\]\(korean\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/KOR/full_text/pdf/KOR925[1](korean).pdf), [https://tsapps.nist.gov/notifyus/docs/wto_country/KOR/full_text/pdf/KOR925\[2\]\(korean\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/KOR/full_text/pdf/KOR925[2](korean).pdf), [https://tsapps.nist.gov/notifyus/docs/wto_country/KOR/full_text/pdf/KOR925\[3\]\(korean\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/KOR/full_text/pdf/KOR925[3](korean).pdf), and [https://tsapps.nist.gov/notifyus/docs/wto_country/KOR/full_text/pdf/KOR925\[4\]\(korean\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/KOR/full_text/pdf/KOR925[4](korean).pdf)

European Union Notification EU/753

Date issued: 21 October 2020

Agency responsible: EU-TBT Enquiry Point

National inquiry point: EU-TBT Enquiry Point

Products covered: Substances

Title: Draft Commission Regulation amending Annexes VII to XI to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Text with EEA relevance) (15 pages in English)

Description of content: The draft Commission Regulation provides clarifications of certain provisions in the Annexes to Regulation (EC) No 1907/2006 on the obligations for registrants under Title II and on the role and

responsibilities of the Agency under Title VI of that Regulation. The Commission and the European Chemicals Agency had concluded in their Joint Evaluation Action Plan of June 2019 that certain provisions in the Annexes of that Regulation would benefit from some re-wording so that they can be applied more consistently. The changes cover the introductory texts of the Annexes to provide more information as to how to perform animal testing with respect to dose-setting for human health and environmental purposes. This should ensure that the information generated is adequate for hazard identification and risk assessment. A number of provisions on toxicological and ecotoxicological information are modified with a view to clarifying the obligations for registrants as well as waiving options and the responsibilities of the Agency. In addition, certain provisions on information on the physicochemical properties of substances have been reworded to be more precise. Lastly, the general rules for adaptation of the standard testing regime have been modified in order to update them and to avoid the existing ambiguity of certain provisions.

Objective and rationale: Protection of human health or safety; Protection of the environment; Ensuring the proper functioning of the EU internal market.

Relevant documents: Regulation (EC) No 1907/2006 of the European Parliament and the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (OJ L 396, 30.12.2006, p.1): <https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1603118988074&uri=CELEX:32006R1907>

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 20 December 2020

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU753\[1\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU753[1](english).pdf) and [https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU753\[2\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU753[2](english).pdf)

ANSI public review announcements

The following documents have been announced for public review by ANSI. Please send your comments before the deadline to the person indicated and to ANSI's Board of Standards Review at psa@ansi.org.

Due 23 November 2020

BSR/UL 1993-202x, Standard for Safety for Self-Ballasted Lamps and Lamp Adapters (revision of ANSI/UL 1993-2018)

This proposal for UL 1993 covers: (3) Proposed evaluation of tack-soldered electrical connections; (4) Proposed drop impact test determination for severely damaged lamps; (15) Proposed addition of Supplement SE - Special Use Lamps; (17) Proposed new test, construction, and marking requirements for LED lamps with integral rechargeable batteries.

Single copy price: Free

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

Due 30 November 2020

BSR/CTA 2084-202x, Test Methods for Determining A/V Products Energy Efficiency (new standard)

CTA 2084 defines methods for measuring Audio Video (A/V) products' energy efficiency and related items. [How is this different from the new project CTA 2084-A-202x? The descriptions are the same.]

Single copy price: Free!

Order from and send comments to: Veronica Lancaster, vlancaster@cta.tech

BSR/CTA 2088-202x, Baseline Cybersecurity Standard for Devices and Device Systems (new standard)

This standard will specify baseline security requirements and recommendations for devices and device systems to address the destructive potential of botnets and other security threats. Individual connected devices, or "endpoint devices," may consist of components, including hardware modules, chips, software, sensors, or other operating components. Beyond the individual device itself, this standard includes the connected endpoint device and broader connected elements of the product, such as apps and cloud services.

Single copy price: Free!

Order from and send comments to: Veronica Lancaster, vlancaster@cta.tech

BSR/IICRC S100-202X, Standard for Professional Cleaning of Textile Floor Coverings (revision of ANSI/IICRC S100-2015)

This standard describes the procedures, methods, and systems to be followed when performing professional commercial and residential textile floor coverings (e.g., carpet and rugs) maintenance and cleaning.

Single copy price: Free

Access and offer comments at: <https://www.iicrc.org/page/SANSIICRCS100>

Due 7 December 2020

BSR/CTA 2049-A-202x, Determination of Small Network Equipment - Average Energy Consumption (revision and redesignation of ANSI/CTA 2049-2015)

This standard defines a method for measuring Small Network Equipment (SNE) energy consumption and related items.

Single copy price: Free

Order from and send comments to: Veronica Lancaster, vlancaster@cta.tech

BSR/UL 8750-202x, Standard for Safety for Light Emitting Diode (LED) Equipment for Use in Lighting Products (revision of ANSI/UL 8750-2020)

This proposal for UL 8750 covers: (1) Scope expansion to include LED packages with spectral power distribution characteristics outside of the visible light spectrum (400 - 700 nm), revisions to Supplement SD to include Special-Use LED packages and revisions to Supplement SJ including direct references to in IEC 62471; (2) LED controllers; (3) Potting compounds; (4) Feed-through circuits and receptacles; (5) Leakage current test.

Single copy price: Free

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

Due 15 December 2020

BSR/ASME/ANS RA-S-1.4-202x, Probabilistic Risk Assessment Standard for Advanced Non-Light Water Reactor Nuclear Power Plants (new standard)

Requirements for probabilistic risk assessments (PRAs) used to support risk-informed decisions for advanced non-light-water reactor (non-LWR) nuclear power plants (NPPs) and prescribes a method for applying these requirements for specific applications.

Single copy price: Free

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

Send comments to: Oliver Martinez, martinez@asme.org

Due 22 December 2020

BSR C63.24-202x, Standard Recommended Practice for in Situ RF Immunity Evaluation of Electronic Devices and Systems (new standard)

This document provides recommended test methods for assuring the radio frequency (RF) immunity of electronic devices and systems that might experience susceptibility from general use transceivers or the RF ambient.

Single copy price: \$51.00

Order from and send comments to: Jennifer Santulli, J.Santulli@ieee.org

BSI public review announcements

BSI Standards has announced documents for public review that might be of interest to *Standards Watch* readers. BSI documents may be commented on at <https://standardsdevelopment.bsigroup.com/>.

Due 9 December 2020

BS EN IEC 62442-3 Energy performance of lamp controlgear - controlgear

This part of IEC 62442 defines a measurement method for the power losses of electromagnetic transformers as well as the power losses and the standby power of electronic convertors for tungsten-halogen lamps and for LED light sources. It is applicable for controlgear that are designed for use on DC supplies up to 1 000 V and/or AC supplies up to 1 000 V at 50 Hz or 60 Hz. A calculation method of the efficiency of the mentioned controlgear for tungsten-halogen lamps and LED light sources also is defined.

Due 16 December 2020

BS EN 62623 Ed.2.0, Desktop and notebook computers – Measurement of energy consumption

This International Standard covers personal computing products. It applies to desktop and notebook computers as defined in 4.1 that are marketed as final products and that are hereafter referred to as the equipment under test (EUT) or product.

This standard specifies:

- a test procedure to enable the measurement of the power and/or energy consumption in each of the EUT's power modes;
 - formulas for calculating the typical energy consumption (TEC) for a given period (normally annual);
 - a majority profile that should be used with this standard which enables conversion of average power into energy within the TEC formulas;
 - a system of categorisation enabling like for like comparisons of energy consumption between EUTs;
 - a pre-defined format for the presentation of results.
-

DIN public review announcement

The Deutsches Institut für Normung has announced a draft document possibly of interest to *Standards Watch* readers that is open for public review from 30 October until 30 December 2020. The document is in German. After you register with DIN at <http://www.entwuerfe.din.de/>, you may purchase and comment on DIN draft standards.

Due by 30 December 2020

DIN 15584-2, Digitales Kino - Bild-Projektion - Teil 2: Umgebungslicht bei der Projektion und deren Messung (Digital cinema - Image Projection - Part 2: Ambient light during projection and its measurement)

Dieses Dokument legt Richtwerte bezüglich des maximal zulässigen Umgebungslichts in einem Kinosaal fest. Dieses Dokument gilt für die Planung von neuen Kinosälen und für die Modernisierung von bestehenden Kinosälen. Dieses Dokument gilt auch für Versammlungsstätten, die multifunktional für die Kinonutzung vorgesehen sind. Es ist auch bei der Überprüfung der Projektionstechnik in den zuvor genannten Sälen anzuwenden. Dieses Dokument gilt nicht für Cinema LED Screen-Bildwände.

(This document defines guidelines for the maximum permissible ambient light in a cinema. It applies to the planning of new movie theaters and to the modernization of existing theaters. This document is also valid for meeting places that are multifunctional for cinema use. It is also applicable when checking the projection technology in the above-mentioned halls. This document does not apply to Cinema LED screens.)

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 E1.6-5-202x, Selection and Use of Portable Controls for Fixed-Speed Electric Chain Hoists in the Entertainment Industry (revision and partition of ANSI E1.6-4-2013)

Project Need: Help streamline the BSR E1.6-4 scope, and alleviate duplication of efforts in a new standard, as each is updated to remain current with dynamic changes in technology. BSR E1.6-5 takes the selection and use aspects of portable control systems used for fixed speed electric chain hoists out of the existing BSR E1.6-4 draft, and places those aspects under the purview of a new partition of the E1.6 suite of standards. The design, manufacture, and inspection aspects of portable control systems will remain under BSR E1.6-4.

Contact: Richard Nix; standards@esta.org

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

This standard is primarily directed toward assuring adequate containment of the radioactive material. Other factors, such as quality control, external radiation levels, radiotoxicity of the radionuclide, its chemical and physical form, and quantity of radioactive material in the source, also shall require consideration in view of the ever present objective of keeping exposures as low as is reasonably achievable (ALARA). 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.

Contact: Nancy Johnson; nanjohns@verizon.net

BSR/ASME HR-1-202x, Power Generating Facilities: Continuous Power Output and Heat Rate (new standard)

This document is being developed in order to address the power industry's need for standards that establish more accurate analysis and reporting of continuous power output and heat rate. Improved heat rate reporting will help achieve compliance with the Affordable Clean Energy rule, which was set forth by the Environmental Protection Agency and calls for reducing CO2 emissions. This document will provide rules and methods for the determination of continuous power output and heat rate with the lowest achievable uncertainties for hydrocarbon fueled Rankine cycle power generating facilities. Implementation of a continuous performance monitoring program will be outlined.

Contact: Terrell Henry; ansibox@asme.org

BSR/CSA C22.2 No 348-202x, Vehicle-to-Grid Charging Equipment (new standard)

This proposed new standard is being developed at the request of electrical industry to cover vehicle-to-grid technology intended to provide bidirectional power flow, and allow the electric cars battery to become a storage unit. It will provide the industry with consistent manufacturing and safety performance of use of vehicle-to-grid technology. This standard covers Electric vehicle charging equipment with vehicle-to-grid function, bidirectional power transfer that could be installed in accordance with the Canadian Electrical Code Part I (CE Code Part I, C22.1) and the National Electrical Code (NEC), NFPA 70; and intended to assist in the management of the power flow from plug-in electric vehicle back to the grid in an effective and efficient manner. This standard will address electrical safety, interoperability of electric vehicle charging equipment with V2G function for a better grid support and communication between electric vehicles and grid.

Contact: David Zimmerman; ansi.contact@csagroup.org

BSR/CTA 2084-A-202x, Test Methods for Determining A/V Products Energy Efficiency (revision and redesignation of BSR/CTA 2084-202x)

CTA 2084 defines methods for measuring Audio Video (A/V) products' energy efficiency and related items. This document is being modified to add in aspects related to standalone amplifiers.

Contact: Veronica Lancaster; vlancaster@cta.tech

BSR/ICC 1210-202x, Standard for Mechanical, Electrical, Plumbing Systems, Energy Efficiency and Water Conservation in Off-site Construction (new standard)

The lack of uniformity on how off-site construction is handled, the confusion across participants in the building process, and the hesitancy within the code official community reinforces the need for development of common criteria in the form of a standard to offer a path to compliance necessary to support the off-site construction industry with respect to MEP system elements, energy efficiency and water conservation.

Contact: Karl Aittaniemi; kaittaniemi@iccsafe.org

BSR/ISEA 212-202x, Occupational Source Control Face Coverings (new standard)

This standard establishes minimum design, performance, and labeling requirements for face coverings used in occupational settings to help reduce spread of respiratory secretion by the wearer of the product.

Contact: Cristine Fargo; cfargo@safetysafetyequipment.org

BSR/NETA ETT-202x, NETA Standard for Certification of Electrical Testing Technicians for Electrical Power Equipment and Systems (revision of ANSI/NETA ETT-2018)

Establishes minimum requirements for qualification and certification of the electrical testing technician. Also details the minimum training and experience requirements for electrical testing technicians and provides criteria for documenting qualifications and certification. Also outlines the minimum qualifications for an independent and impartial certifying body to certify electrical testing technicians.

Contact: Richard Piet; rpier@netaworld.org

BSR/RIC 001.1-202x, Specifications for the Process of Remanufacturing (revision of ANSI/RIC 001.1-2016)

The 12 recognized sectors of remanufacturing are: aerospace, automotive, electrical apparatus, consumer products, restaurant equipment, heavy duty & off-road equipment, information technology products, locomotives, machinery, medical devices, office furniture, and retreaded tires. There are many reprocessing terms that are often used interchangeably, notably reconditioning, refurbishing, and remanufacturing. This standard defines the process of remanufacturing to establish it as the most rigorous of these processes. In addition, there are 12 recognized sectors of remanufacturing. This standard ensures that all of the sectors are able to speak a common language and follow the same steps, regardless of what products they are remanufacturing.

Contact: Michelle Hayes; mhayes@remancouncil.org

BSR/SCTE EMS 040-202x, Optimum Load Shaping for Electric Vehicle and Battery Charging (new standard)

This project will result in the development of a new ANSI/SCTE standard that defines in simplistic terms how to create, transmit, and act upon forecast optimum load shapes (OLSs) for monetizing the cable industry's future fleet of electric vehicles (EVs) and facility batteries. A new standard is needed because existing siloed standards do not provide the critically needed end-to-end, generation to load control of the electric power grid. An OLS provides grid control and consists of a set of numbers (e.g., target load for hours 1-24) that forecasts the most efficient electrical supply in grids, microgrids, and nanogrids, so that all stakeholders: generation entities, utilities, distributors, retailers, and consumers—can reduce their electricity costs and carbon emissions. An OLS standard can accelerate—adoption, monetization, and societal benefits of microgrids, EVs, and batteries.

Contact: Kim Cooney; kcooney@scte.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 B77.2-2020, Standard for Funiculars - Safety Standard (revision of ANSI B77.2-2014): 30 September 2020

ANSI/ASHRAE/ICC/USGBC/IES Addendum bc to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017): 30 September 2020

ANSI/ASHRAE/ICC/USGBC/IES Addendum bq to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017): 30 September 2020

ANSI/ASHRAE/ICC/USGBC/IES Addendum bw to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017): 30 September 2020

ANSI/ASSP A10.33-2020, Safety & Health Program Requirements for Multi-Employer Projects (revision and redesignation of ANSI/ASSE A10.33-2011 (R2016)): 1 October 2020

ANSI/ATIS 1000678.v4-2020, Lawfully Authorized Electronic Surveillance (LAES) for Voice over Internet Protocol in Wireline Telecommunications Networks, Version 4 (revision and redesignation of ANSI/ATIS 1000678.v3-2015 (R2020)): 9 October 2020

ANSI/UL 2557-2020, Standard for Membrane Switches (new standard): 5 October 2020

ANSI/UL 83B-2020, Standard for Safety for Switchboard and Switchgear Wires and Cables (new standard): 15 October 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 project identifier alphanumeric.

ISO/IEC 18033-3/DAmD1, Information technology – Security techniques - Encryption algorithms - Part 3: Block ciphers - Amendment 1: SM4, 5 November 2019, \$46.00

65C/1067/FDIS, IEC 61784-3 ED4: Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses – General rules and profile definitions, 27 November 2020

100/3499/CD, IEC TR 63344 ED1: Multimedia systems - Haptics - Conceptual model of standardization, 27 November 2020

ISO/DIS 23781, Operating procedures of pig slaughtering, 18 December 2020, \$40.00

ISO/IEC DIS 18033-1, Information security - Encryption algorithms - Part 1: General, 21 December 2020, \$71.00

94/480/CDV, IEC 62314 ED2: Solid-state relays, 25 December 2020

100/3500/NP, PNW 100-3500 ED1: Sound system equipment – Part 24: Headphones and earphones - Active acoustic noise cancelling characteristics, 25 December 2020

34/757/CD, IEC TS 63116 ED1: Lighting systems – General requirements, 1 January 2021

100/3479/CDV, IEC 63087-1 ED1: Measurement method for assistive listening functionality (TA 16), 1 January 2021

ISO/DIS 23617, Ageing societies - Guidelines for an age-inclusive workforce, 2 January 2021, \$119.00

ISO/DIS 23218-1, Industrial automation systems and integration - Numerical control systems for machine tools - Part 1: Requirements for numerical control systems, 3 January 2021, \$82.00

Recently published IEC & ISO documents

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

IEC/IEEE 62209-1528 Ed. 1.0 en:2020, Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-worn wireless communication devices - Part 1528: Human models, instrumentation and procedures (Frequency range of 4 MHz to 10 GHz), \$410.00

ISO 22450:2020, Recycling of rare earth elements – Requirements for providing information on industrial waste and end-of-life products, \$103.00

ISO/IEC 21122-5:2020, Information technology - JPEG XS low-latency lightweight image coding system - Part 5: Reference software, \$68.00

ISO/IEC TR 23842-1:2020, Information technology for learning, education, and training - Human factor guidelines for virtual reality content - Part 1: Considerations when using VR content, \$45.00

ISO/IEC TR 23842-2:2020, Information technology for learning, education, and training - Human factor guidelines for virtual reality content - Part 2: Considerations when making VR content, \$45.00

ISO/TR 22914:2020, Statistical methods for implementation of Six Sigma - Selected illustration of analysis of variance, \$209.00

ISO/TS 21274:2020, Light and lighting - Commissioning of lighting systems in buildings, \$103.00

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TSP meeting schedule

The meeting schedule will be posted at <https://www.esta.org/ESTA/meetings.php>. There are no TSP meetings listed there on October 28, but the next round of meetings is expected to be in January 2021.

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