



Technical Standards Program

ESTA Standards Watch

February 2020 Volume 24, Number 3

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Three draft ESTA standards available for public review

Three ESTA draft standards are available for public review on the ESTA TSP website at <http://estalink.us/pr>. Anyone materially affected by any document is invited to review it and to offer comments before the deadline. The review documents are available for free; downloading costs you nothing but your time.

BSR E1.67, Entertainment Technology – Design, Inspection, Maintenance, Selection, and Use of Hand and Lever Chain Hoists in the Entertainment Industry, applies to manually operated chain and lever hoists used in the entertainment industry including, but not limited to, hoists used in theatre, musical touring, film, trade show and television industries, for the purposes of lifting, lowering, and tensioning, related to the production of shows and special events. Comments are due before the end of the day on 23 March 2020.

BSR E1.4-2, Entertainment Technology - Statically Suspended Rigging Systems, is about dead-hung systems permanently installed in performances spaces, places of assembly, and other areas used for entertainment purposes where not covered by other ANSI Entertainment Technology standards. This standard intends to establish minimum performance criteria, recommendations and guidelines that can be used for

installation, use, maintenance and inspection purposes. It also intends to establish minimum requirements for statically suspended rigging systems to safeguard health, safety and general welfare. Comments are due before the end of the day on 29 March 2020.

BSR E1.59, Entertainment Technology--Object Transform Protocol (OTP), describes a mechanism to transfer object transform information such as position, orientation and velocity over an IP network using a subset of the [ACN] protocol suite. It covers data format, data protocol, data addressing, and network management. Data transmitted is intended to coordinate visual and audio elements of a production and should not be used for safety critical applications. Comments are due before the end of the day on 6 April 2020.

WTO Technical Barrier to Trade notifications

Notify US, the U.S. Department of Commerce's service to announce Technical Barrier to Trade filings, has announced TBTs that may be of interest to Standards Watch readers. If you have a problem with any TBT, you can protest through your representative to the World Trade Organization. See the guidance documents at <http://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm> or <http://ec.europa.eu/growth/tools-databases/tbt/en/tbt-and-you/being-heard/> for advice on filing objections.

United States of America Notification: USA/1569

Date issued: 31 January 2020

Agency responsible: Agricultural Marketing Service (AMS)

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Carrots; Carrots and turnips (HS 070610)

Title: Revision of Three U.S. Grade Standards for Carrots (4 page(s), in English)

Description of content: Notice - The Agricultural Marketing Service (AMS) of the Department of Agriculture (USDA) proposes to revise the U.S. Standards for Grades of Topped Carrots, U.S. Standards for Grades of Bunched Carrots, and U.S. Standards for Grades of Carrots with Short Trimmed Tops. AMS is proposing to add more U.S. No. 1 grades to accommodate carrots of colors other than orange, orange red, and orange scarlet. The current U.S. No. 1 grades would remain unchanged. In addition, AMS is proposing to remove the Unclassified section and renumber sections due to the additional grades.

Objective and rationale: Consumer information, labelling; Quality requirements

Relevant documents:

- 85 Federal Register (FR) 4913, 28 January 2020; Title 7 Code of Federal Regulations (CFR) Part 51: <https://www.govinfo.gov/content/pkg/FR-2020-01-28/pdf/2020-01457.pdf>

- United States Standards for Grades of Bunched Carrots, Notice; request for comments published 22 December 2008: <https://www.govinfo.gov/content/pkg/FR-2008-12-22/pdf/E8-30276.pdf>

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 30 March 2020

Full text URL: <https://www.govinfo.gov/content/pkg/FR-2020-01-28/pdf/2020-01457.pdf>

United States of America Notification USA/1570

Date issued: 3 February 2020

Agency responsible: Department of Housing and Urban Development (HUD)

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Manufactured home construction

Title: Manufactured Home Construction and Safety Standards (20 page(s), in English)

Description of content: Proposed rule - This proposed rule would amend the Federal Manufactured Home Construction and Safety Standards (the Construction and Safety Standards) by adopting recommendations made to HUD by the Manufactured Housing Consensus Committee (MHCC). The National Manufactured Housing Construction and Safety Standards Act of 1974 (the Act) requires HUD to publish in the Federal Register any proposed revised Construction and Safety Standard submitted by the MHCC. The MHCC has prepared and submitted to HUD its third group of recommendations to improve various aspects of the Construction and Safety Standards. HUD has reviewed those proposals and has made editorial revisions to several and HUD proposes correlating additions for several of the proposals. HUD has decided not to go forward in this proposed rule with certain revisions recommended by the MHCC due to pending regulations for improving energy efficiency in manufactured homes currently being prepared by the Department of

Energy. In addition, HUD has decided not to move forward with a new proposal to add requirements for draftstopping to the Manufactured Home Construction and Safety Standards. As agreed, these recommendations are being published to provide notice of the proposed revisions and an opportunity for public comment.

Objective and rationale: Protection of human health or safety; Protection of the environment; Cost saving and productivity enhancement

Relevant documents:

- 85 Federal Register (FR) 5589, 31 January 2020; Title 24 Code of Federal Regulations (CFR) Part 3280, 3282, and 3285: <https://www.govinfo.gov/content/pkg/FR-2020-01-31/html/2020-01473.htm>
- G/TBT/N/USA/521/Add.3 - Energy Conservation Standards for Manufactured Housing, 17 June 2016, Notice of proposed rulemaking and public meeting
- G/TBT/N/USA/521/Add.4 - Energy Conservation Program: Energy Conservation Standards for Manufactured Housing, 3 August 2018, Notice of data availability; request for information
- Primary and Supporting Documents, as well as Comments, are accessible from Regulations.gov at <https://www.regulations.gov/docket?D=EERE-2009-BT-BC-0021>
- G/TBT/N/USA/1303 - Manufactured Home Regulations; Request for Recommended Changes, 27 July 2017, Advanced notice of proposed rulemaking.
- G/TBT/N/USA/560 and subsequent addenda
- Primary Documents and Comments accessible from Regulations.gov at <https://www.regulations.gov/docket?D=HUD-2010-0060>

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 31 March 2020

Full text: <https://www.govinfo.gov/content/pkg/FR-2020-01-31/pdf/2020-01473.pdf>

Canada Notification CAN/607

Date issued: 4 February 2020

Agency responsible: Department of Innovation, Sciences and Economic Development

National inquiry point: Foreign Affairs, Trade and Development Canada

Products covered: Radiocommunications

Title: - RSS-222, Issue 2, (24 and 25 pages, available in English and French) - DBS-01, Issue 2, (35 and 37 pages, available in English and French)

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

- RSS-222, Issue 2, 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 2, White Space Database Specifications 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, 174-216 MHz, 470-608 MHz and 657-663 MHz)

Objective and rationale: Spectrum Management

Relevant documents: - Canada Gazette, Part I, 1 Feb 2020, (available in English and French).

<http://www.gazette.gc.ca/rp-pr/p1/2020/2020-02-01/html/index-eng.html>

Proposed date of adoption: 24 January 2020

Proposed date of entry into force: 24 January 2020

Final date for comments: 3 April 2020

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN607\[1\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN607[1](english).pdf) and [https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN607\[2\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN607[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 9 March 2020

BSR/ASSP Z244.1-2016 (R202x), The Control of Hazardous Energy Lockout, Tagout and Alternative Methods (reaffirmation of ANSI/ASSP Z244.1-2016 (R202x))

This standard covers machines, equipment, and processes in which the unexpected energization or start-up of the machines or equipment, release of stored energy, or the actions of persons could result in harm. This standard establishes requirements for the control of hazardous energy associated with machines, equipment, or processes that could cause harm to personnel. The standard specifies the use of lockout (primary method), tagout or alternative methods to control hazardous energy associated with machines, equipment, or processes that could cause harm to personnel. This standard applies to activities such as erecting, installing, constructing, repairing, adjusting, inspecting, unjamming, set-up, testing, troubleshooting, cleaning, dismantling, servicing, and maintaining machines, equipment, or processes.

Single copy price: \$110.00

Order from and send comments to: Lauren Bauerschmidt, LBauerschmidt@assp.org

BSR/ATIS 1000013.v2-2015 (R202x), Lawfully Authorized Electronic Surveillance (LAES) for Internet Access and Services (reaffirmation of ANSI/ATIS 1000013.v2-2015)

Internet Access and Services can be obtained by establishing a subscription-based arrangement. This standard provides capabilities to lawfully intercept communications of subscription-based Internet Access and Services arrangements. (It's a how-to for lawful snooping.)

Single copy price: \$220.00

Order from and send comments to: Anna Karditzas, akarditzas@atis.org

BSR/ATIS 1000678.v3-2015 (R202x), Lawfully Authorized Electronic Surveillance (LAES) for Voice over Packet Technologies in Wireline Telecommunications Networks, Version 3 (reaffirmation of ANSI/ATIS 1000678.v3-2015)

This standard defines the interfaces between a Telecommunication Service Provider (TSP) and a Law Enforcement Agency (LEA) to assist the LEA in conducting lawfully authorized electronic surveillance for Voice over Internet Protocol (VoIP) in Wireline Telecommunications Networks. Version 1 of T1.678 (T1.678-2004) provides support for Voice over Packet (VoP) services utilizing basic SIP call control and basic H.323 call control for IP. Version 2 of T1.678 (ATIS 1000678.v2.2006) adds support for supplementary services such as hold/retrieve, multi-party calls, and call transfer. Version 3 (ATIS 1000678.20xx) incorporates ATIS 1000678.a.v2.2007 (Supplement A to ATIS 1000678.v2.2006), ATIS 1000678.b.v2.2010 (Supplement B to ATIS 1000678.v2.2006), and provides clarifications, corrections, and enhancements. Version 3 also removes support for H.323 call control for IP. Upon publication, this standard supersedes and replaces ATIS 1000678.v2.2006, ATIS 1000678.a.v2.2007, and ATIS 1000678.b.v2.2010. This document provides the mechanisms to perform lawfully authorized electronic surveillance of VoIP subject to the appropriate legal and regulatory environment. It is not the intent of this document to imply or impact any pending Communications Assistance for Law Enforcement Act (CALEA) regulatory decisions related to VoIP.

Single copy price: \$400.00

Order from and send comments to: Anna Karditzas, akarditzas@atis.org

BSR/IES LS-4-202x, Lighting Science: Measurement of Light: The Science of Photometry (new standard)

This Lighting Science (LS) document describes the various types of photometry and photometric instrumentation, including laboratory and field equipment and measurement types, and instructions for some types of field measurements. However, it does not provide instructions or methodology for performing laboratory tests. For that kind of information, the reader is referred to the IES Lighting Measurement (LM) series of documents.

Single copy price: \$25.00

Order from and send comments to: Patricia McGillicuddy, pmcgillicuddy@ies.org

BSR/IES LP-8-202x, Lighting Practice: The Commissioning Process Applied to Lighting and Control Systems (new standard)

This Lighting Practice (LP) document, developed by the Illuminating Engineering Society describes the technical requirements for commissioning lighting and control systems to achieve owner performance criteria in new construction. Retro-commissioning, or application of the Commissioning Process to an existing facility that has

not previously been commissioned, is not specifically addressed in this document, although the same basic process can be applied.

Single copy price: \$25.00

Order from and send comments to: Patricia McGillicuddy, pmcgillicuddy@ies.org

BSR/IES LM-84-202x, Approved Method: Measuring Luminous, Radiant, and Photon Flux; and Color and Aspects of Spectral Maintenance of LED Lamps, Light Engines, and Luminaires (new standard)

This document provides the method for measurement of luminous, radiant, and photon flux maintenance; and color and aspects of spectral maintenance for integrated LED lamps, integrated; non-integrated LED lamps, non-integrated; LED light engines, LED luminaires, OLED light engines, and OLED Luminaires. The method describes the procedures to be followed and the precautions to be observed in obtaining and reproducing luminous flux and color maintenance measurements under standard operating conditions. This approved method does not provide guidance or recommendations regarding predictive estimations or extrapolation of lumen maintenance beyond the final measurement.

Single copy price: \$25.00

Order from and send comments to: Patricia McGillicuddy, pmcgillicuddy@ies.org

BSR/IES RP-9-202x, Recommended Practice: Lighting Hospitality Spaces (new standard)

Quality lighting is of the utmost importance to business travelers who work in their rooms and/or in the conference facilities. Effective, well-designed lighting will make their stay pleasurable and productive; entice them to return; and provide positive word-of-mouth references, which are excellent advertising. All these factors reinforce the brand and are critical to the success of the property.

Single copy price: \$25.00

Order from and send comments to: Patricia McGillicuddy, pmcgillicuddy@ies.org

BSR/IES RP-41-202x, Recommended Practice: Lighting Theatre and Auditorium Spaces (new standard)

Revise and update IES DG-20 Stage Lighting - A Guide to Planning of Theatres and Auditoriums. Add content for stage lighting controls, interfacing with networks, houselight design, control and performance including emergency lighting, stage worklight and cue light systems, LED and automated stage lighting instruments, power distribution for stage and houselighting systems, and future proofing systems.

Single copy price: \$25.00

Order from and send comments to: Patricia McGillicuddy, pmcgillicuddy@ies.org

BSR/IES RP-30-202x, Recommended Practice: Lighting Museums (revision of ANSI/IES RP-30-16)

The purpose of this document is to enhance the decision-making process by providing specific standards for satisfying the special requirements of museums and art galleries. Updated information is included on current lighting techniques and new lighting technology. Exhibition lighting is the focus of this document, though information relating to other museum and art gallery applications is also addressed. Lighting design guidance for museum shops, restaurants, and office spaces is provided in other IES Recommended Practice publications.

Single copy price: \$25.00

Order from and send comments to: Patricia McGillicuddy, pmcgillicuddy@ies.org

BSR C82.16-202x, Light Emitting Diode Drivers - Methods of Measurement (revision of ANSI C82.16-2015)

This standard describes the procedures to be followed and the precautions to be taken in measuring performance of LED drivers. The scope includes, but is not limited to, LED drivers with these characteristics: General lighting, exterior lighting, and roadway lighting applications; Input supply voltage up to 600 VDC or 600 VAC (50 or 60 Hz); Output open-circuit voltage of 600 V or less; Constant-current or constant-voltage direct current (DC) output; Fixed, variable (dimnable), pulse-width modulation, or programmable (tunable) output power; and external (standalone), or internal (enclosed in luminaire).

Single copy price: \$152.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from and send comments to: Michael Erbesfeld, (703) 841-3262, Michael.Erbesfeld@nema.org

Due 16 March 2020

BSR/AWI SMA 0643-202x, Wood Stair, Handrail, and Guard Systems (new standard)

Provide standards and tolerances for the quality fabrication and field installation of wood stair, handrail, and guard systems. Establishing minimum aesthetic and performance requirements intended to provide a well-defined degree of control over a project's quality of materials, workmanship, and/or fabrication.

Single copy price: Free!

Order from and send comments to: Cheryl Dermyre, cdermyre@awinet.org

BSR/AWS D16.2M/D16.2-202x, Guide for Components of Robotic and Automatic Arc Welding Installations (new standard)

This document applies to the recommended design, integration, installation, and use of industrial welding robotic and automatic systems. This document is intended for the gas metal arc welding (GMAW), gas tungsten arc welding (GTAW), plasma arc welding (PAW), and flux-cored arc welding (FCAW) processes. Pertinent parts may address additional welding processes. Robotic and automatic arc welding systems consist of a manipulator, power source, arc welding torch and accessories, electrode feed system, wire delivery system, shielding gas delivery system, welding circuit, shielding and communication control, and grounding system. There may be other accessories that are outside the scope of this document, such as safety devices and monitoring, joint-tracking, and vision systems. A typical system is illustrated in Figure 1.

Single copy price: \$68.00

Order from and send comments to: Jennifer Rosario, jrosario@aws.org

BSR/CAGI B186.1-202x, Safety Code for Portable Air Tools (new standard)

This code applies to the safety related aspects of the design, construction, installation, operation, and maintenance of portable, hand-held, air tools.

Single copy price: Free

Order from and send comments to: Leslie Schraff, cagi@cagi.org

BSR/TIA 4966-A-202x, Telecommunications Infrastructure Standard for Educational Facilities (revision and redesignation of ANSI/TIA 4966-2014)

This standard is nearing the 5-year mark and should be reviewed for content; updating to incorporate content of the Addendum, current standards and best practice.

Single copy price: \$112.00

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

Due 23 March 2020

BSR/ASHRAE/IES Addendum a to BSR/ASHRAE/IES Standard 90.1-202x, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019)

This proposal establishes minimum fan efficacy requirements for low-power ventilation fans. Additionally, the proposal establishes Standard 62.2 as the reference for determining the minimum ventilation rates for non-transient dwelling units, in accordance with the scope of 62.2 and 62.1.

Single copy price: \$35.00

Order from: standards.section@ashrae.org

Offer comments at: <http://www.ashrae.org/standards-research--technology/public-review-drafts>

BSR/AWS D14.6/D14.6M-202x, Specification for Welding of Rotating Elements of Equipment (revision of ANSI/AWS D14.6/D14.6M-2012)

This standard establishes material and workmanship standards for manufacturers, fabricators, repair organizations, purchasers, and owner/operators of rotating equipment which are fabricated or repaired by welding. Included are sections defining process qualifications, operator qualifications, quality control, inspection requirements, and repair requirements.

Single copy price: \$36.00 AWS members/\$48.00 non-members

Order from and send comments to: Kevin Bulger, kbulger@aws.org

BSR/AWS D14.9/D14.9M-202x, Specification for the Welding of Hydraulic Cylinders (revision of ANSI/AWS D14.9/D14.9M-2012)

This specification provides standards for the design and manufacture of pressure-containing welded joints and structural welded joints used in the manufacture of hydraulic cylinders. Manufacturer's responsibilities are presented as they relate to the welding practices that have been proven successful within the industry in the production of hydraulic cylinders. Included are sections defining welding procedure qualification, welder performance qualification, workmanship, and quality requirements as well as inspection requirements and repair requirements.

Single copy price: \$32.00 AWS members/\$42.00 non-members

Order from and send comments to: Kevin Bulger, kbulger@aws.org

BSR/ITSDF B56.1-202x, Safety Standard for Low Lift and High Lift Trucks (revision of ANSI/ITSDF B56.1-2016, ANSI/ITSDF B56.1a-2018)

This standard defines the safety requirements relating to the elements of design, operation, and maintenance of low-lift- and high-lift-powered industrial trucks controlled by a riding or walking operator, and intended for use on compacted, improved surfaces.

Single copy price: Free

Order from and send comments to: info@itsdf.org

BSR/NEMA/IEC 60529-202x, Degrees of Protection Provided by Enclosures (IP Code) (identical national adoption of IEC 60529:1989/AMD2:2013/COR1:2019 and revision of ANSI/IEC 60529-2004 (R2011))

This standard describes a system for classifying the degrees of protection provided by the enclosures of electrical equipment. While this system is suitable for use with most types of electrical equipment, it should not be assumed that all the listed degrees of protection are applicable to a particular type of equipment.

Single copy price: \$126.00

Order from and send comments to: Muhammad Ali, muhammad.ali@nema.org

BSR/NEMA 250-202x, Enclosures for Electrical Equipment (1000 Volts Maximum) (revision of ANSI/NEMA 250-2008)

This standard covers enclosures for electrical equipment rated not more than 1000 volts and intended to be installed and used as follows:

- enclosures for indoor locations, Types 1, 2, 5, 12, 12K, and 13;
- enclosures for indoor or outdoor locations, Types 3, 3X, 3R, 3RX, 3S, 3SX, 4, 4X, 6, and 6P; and
- enclosures for hazardous (classified) locations, Types 7 and 9.

This standard covers the requirements to provide protection to the enclosed equipment against specific environmental conditions. This standard also covers the requirements for enclosures that are installed and ready for use in non-hazardous (unclassified) locations.

Single copy price: \$152.00 USD, 10% discount for members

Order from and send comments to: Muhammad Ali, muhammad.ali@nema.org

BSR/UL 67-202x, Standard for Safety for Panelboards (revision of ANSI/UL 67-2019)

This proposal covers a revision of requirements of UL 67 to reflect the changes to Section 230.71(B) of the 2020 NEC. An earlier version of this proposal was posted in UL's CSDS for ballot on October 4, 2019.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Offer comments at: <https://csds.ul.com/Home/ProposalsDefault.aspx>

BSR/UL 2999-202x, Standard for Safety for Individual Commercial Office Furnishings (new standard)

This proposal for UL 2999 covers: (1) The proposed first edition of the Standard for Individual Commercial Office Furnishings, UL 2999. This standard covers individual office furnishings used in commercial and institutional locations that are not connected to or part of a panel system.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Offer comments at: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Due 31 March 2020

BSR/ASME HST-5-202x, Performance Standard for Air Chain Hoists (revision of ANSI/ASME HST-5-2014)

(a) This standard establishes performance requirements for air-powered chain hoists for vertical lifting service involving material handling of freely suspended (unguided) loads using load chain of the roller or welded link types with one of the following types of suspension: (1) lug, (2) hook or clevis, and (3) trolley; (b) This standard is applicable to hoists manufactured after the date on which this Standard is issued. It is not applicable to (1) damaged or malfunctioning hoists; (2) hoists that have been misused or abused; (3) hoists that have been altered without authorization of the manufacturer or a qualified person; (4) hoists used for lifting or supporting people; (5) hoists used for the purpose of drawing both the load and the hoist up or down the hoist's own load chain(s); or (6) hoists used for marine and other applications as required by the Department of Defense (DOD). The requirements of this standard shall be applied together with the requirements of ASME B30.16. Please also refer to ASME B30.16 for requirements pertaining to marking, construction, and installation; inspection, testing, and maintenance; and operation.

Single copy price: Free

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

Send comments to: Justin Cassamassino, cassamassinoj@asme.org

BSR/UL 2900-1-202X, Standard for Safety for Software Cybersecurity for Network-Connectable Products, Part 1: General Requirements (revision of ANSI/UL 2900-1-2017)

Proposals to clarify and update UL 2900-1.

Single copy price: Free

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

BSR/UL 2999-202x, Standard for Safety for Individual Commercial Office Furnishings (new standard)

This proposal for UL 2999 covers: (1) The proposed first edition of the Standard for Individual Commercial Office Furnishings, UL 2999. This standard covers individual office furnishings used in commercial and institutional locations that are not connected to or part of a panel system.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Offer comments at: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Due 7 April 2020

BSR/ASME A17.3-202x, Safety Code for Existing Elevators and Escalators (revision of ANSI/ASME A17.3-2017)

This code of safety standards covers existing elevators, escalators, and their hoistways.

Single copy price: Free

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

Send comments to: Nicole Gomez, ansibox@asme.org

Due 5 June 2020

BSR/NFPA 3000-202x, Standard for an Active Shooter/Hostile Event Response (ASHER) Program (new standard)

The scope of this standard is limited to the necessary functions and actions related to preparedness, response, and recovery from an active shooter/hostile event response (ASHER). This standard applies to any community, authority having jurisdiction (AHJ), facility, and member of any organization who responds to or prepares for ASHER incidents.

Obtain an electronic copy from: www.nfpa.org/3000Next

Send comments to: www.nfpa.org/3000Next

Withdrawn American National Standards and projects

In accordance with clause 4.2.1.3.2 Withdrawal by ANSI-Accredited Standards Developer of the ANSI Essential Requirements, the following American National Standards have been withdrawn as an ANS.

ANSI/ISEA 104-2009 (R2015), Air Sampling Devices - Diffusive Type for Gases and Vapors in Working Environments

In accordance with clause 4.2.1.3.3 Discontinuance of a standards project of the ANSI Essential Requirements, an accredited standards developer may abandon the processing of a proposed new or revised American National Standard or portion thereof if it has followed its accredited procedures. The following projects have been withdrawn accordingly:

BSR/TIA 1005-A-2-201x, Telecommunications Infrastructure Standard for Industrial Premises - Addendum 2: Performance requirements for four pair industrial cables and cabling supporting 1000BASE-T for MICE2 and MICE3 environments (addenda to ANSI/TIA 1005-A-1-2015). Inquiries may be directed to Teesha Jenkins, standards@tiaonline.org

BSR/TIA 1005-A-3-201x, Telecommunications Infrastructure Standard for Industrial Premises - Addendum 3: Industrial cabling for one pair Link Segment Type B, 1000BASE-T1 including MICE 2 and MICE 3 (addenda to ANSI/TIA 1005-A-2012). Inquiries may be directed to Teesha Jenkins, standards@tiaonline.org

CSA public review announcements

The CSA Group has announced draft documents for public review that might be of interest to *Standards Watch* readers. To participate in CSA public reviews, please visit: <http://publicreview.csa.ca/>.

Due 29 March 2020

C22.1, Amendment - Canadian Electrical Code, Part I, Subject No. 4540, Removal of restriction on cablebus firewall penetrations (amendment)

Modify Rule 12-2254 9) as follows:

12-2254 Methods of installation (see Appendix B)

9) Cablebus shall be permitted to extend transversely through partitions or walls, ~~other than including~~ fire walls, provided that the section within the wall is continuous, protected against physical damage, ~~and~~ unventilated, ~~and where applicable, meets the requirements of Subrule 13).~~

Due 31 March 2020

C22.1, Amendment - Canadian Electrical Code, Part I, Subject No. 4548, Ground fault circuit interrupter protection for all receptacles located outdoors and within 2.5 m of finished grade (amendment)

(A) Revise Rule 26-704 as shown.

26-704 Protection of receptacles by a ground fault circuit interrupter of the Class A type (see Appendix B)

1) Receptacles having CSA configuration 5-15R or 5-20R installed within 1.5 m of sinks (wash basins complete with a drainpipe), bathtubs, or shower stalls shall be protected by a ground fault circuit interrupter of the Class A type, except where the receptacle is

a) intended for a stationary appliance designated for the location; and

b) located behind the stationary appliance such that it is inaccessible for use with general-purpose portable appliances.

2) ~~Except for vehicle heater receptacles provided in conformance with Rule 8-400, all~~ All receptacles having CSA configuration 5-15R or 5-20R, installed outdoors and within 2.5 m of finished grade shall be protected with a ground fault circuit interrupter of the Class A type.

3) In addition to Subrule 2), each receptacle for vehicle heaters installed in accordance with Rule 8-400 2) shall be provided with an individual ground fault circuit interrupter of the Class A type.

(B) Add Appendix B note for rule 26-704 as shown:

Rule 26-704

[CSA C22.2 NO. 191 permits Automobile heaters with sheathed heating elements to leak 4 mA of current for the first 10 min after power is applied. Two heaters protected by the same Class A GFCI device may result in nuisance tripping. Automobile heaters are subjected to extreme elements that may result in damage; tripping of the GFCI device is often an indication that replacement or maintenance of the heating device is required.](#)

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/AWS D1.1/D1.1M-202x, Structural Welding Code - Steel (revision of ANSI/AWS D1.1/D1.1M-2019)

This code covers the welding requirements for any type of welded structure made from the commonly used carbon and low-alloy constructional steels. Clauses 1 through 11 constitute a body of rules for the regulation of welding in steel construction. There are eight normative and eleven informative annexes in this code. A commentary of the code is included with the document.

Contact: Jennifer Molin, jmolin@aws.org

BSR/CSA Z5020-202x, Building Energy Modelling Standard (new standard)

A technical building energy modeling guideline/standard could assist building design professionals to perform energy simulation to optimize the performance in new and existing buildings and to demonstrate code compliance with a Canadian code, such as the Energy Step Code or the NECB. A cross-section of building science experts from across the country will be engaged to develop this standard procedure. This standard describes energy model quality assurance and quality control rules and procedures to help standardize modeling requirements based on the energy model use case in order to improve confidence and consistency of modeling results. This standard provides a methodology for classifying energy model use cases. This standard supports the consistent application of energy modeling to new and existing buildings to document compliance with the BEM program. This standard applies to buildings except single-family houses, multifamily structures of three stories or fewer above grade, mobile and modular homes.

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

BSR/ICC 1200-202x, Standard for Off-Site Construction: Planning, Design, Fabrication and Assembly (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. Development of a comprehensive standard to address all facets of the off-site construction process including: planning; designing; fabricating; transporting; and assembling commercial and residential building elements. This includes componentized, panelized, and modularized elements. This standard will not apply to HUD Manufactured Housing.

Contact: Karl Aittaniemi, kaittaniemi@iccsafe.org

BSR/ICC 1205-202x, Standard for Off-Site Construction: Inspection and Regulatory Compliance (new standard)

Development of a comprehensive standard to address the inspection, approval, and regulatory compliance of off-site residential and commercial construction components and their assembly and completion at the final building site. This includes: permitting; in-plant and on-site final inspections; third-party inspections; the role of Industrialized Building Departments, state modular programs, and the Authority Having Jurisdiction. Off-site construction includes componentized, panelized, and modularized elements. This standard will not apply to HUD Manufactured Housing.

Contact: Karl Aittaniemi, kaittaniemi@iccsafe.org

BSR/IES RP-4-202x, Recommended Practice: Lighting Library Spaces (new standard)

Today's library is different in many ways from libraries of the past. Newer lighting techniques and lighting equipment provide the designer with the tools to meet the needs of the varied visual tasks encountered in

today's libraries. This document has been written for use by lighting design professionals, architects, engineers, library administrators, librarians, and educators to provide useful practical information that will help produce an energy efficient, pleasing lighted environment.

Contact: Patricia McGillicuddy, pmcgillicuddy@ies.org

BSR/IES RP-43-202x, Recommended Practice: Lighting Exterior Applications (new standard)

Lighting for the outdoor environment is different from lighting for an interior space. The natural cycle for light is to arrive from the sun and sky during the day and from the stars and moon at night, with gradual changes between dark and light. However, electric lighting has changed and is different from the natural cycle in numerous ways.

Contact: Patricia McGillicuddy, pmcgillicuddy@ies.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/AWS C3.14M/C3.14-2020, Standard Method for Evaluation of Brazed Joints using Visual and Metallographic Techniques (new standard): 31 January 2020

ANSI/SIMA 10-2020, Standard Practice for Procuring and Planning Snow and Ice Management Services (new standard): 15 January 2020

ANSI/UL 2900-2-3-2020, Standard for Safety for Software Cybersecurity for Network-Connectable Products, Part 2-3: Particular Requirements for Security and Life Safety Signaling Systems (new standard): 31 January 2020

ANSI/UL 1004-2-2015 (R2020), Standard for Safety for Impedance Protected Motors (reaffirmation of ANSI/UL 1004-2-2015): 30 January 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 by due date then alphanumeric.

ISO/IEC DIS 23360-1-5, Linux Standard Base (LSB) - Part 1-5: Imaging specification, 9 March 2020, \$155.00

JTC1-SC41/133/CD, ISO/IEC 30165 ED1: Internet of Things (IoT) - Real-time IoT framework, 13 March 2020

ISO/IEC DIS 22123-1, Information technology - Cloud computing – Part 1: Terminology, 3 April 2020, \$71.00

ISO/DIS 8373, Robotics – Vocabulary, 4 April 2020, \$88.00

ISO/DIS 10014, Quality management systems - Managing an organization for quality results - Guidance for realizing financial and economic benefits, 5 April 2020, \$77.00

ISO/IEC/IEEE DIS 15026-4, Systems and software engineering - Systems and software assurance - Part 4: Assurance in the life cycle, 5 April 2020, \$88.00

ISO/DIS 22341, Security and resilience - Protective security - Guidelines for crime prevention through environmental design, 6 April 2020, \$88.00

ISO/DIS 23665, Unmanned aircraft systems - Training for personnel involved in UAS operations, 6 April 2020, \$107.00

ISO/DIS 37301, Compliance management systems – Requirements with guidance for use, 6 April 2020, \$107.00

ISO/DIS 22300, Security and resilience – Vocabulary, 10 April 2020, \$107.00

ISO/IEC/IEEE DIS 16085, Systems and software engineering – Life cycle processes - Risk management, 10 April 2020, \$119.00

65C/991/CDV, IEC 61784-3 ED4: Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions, 17 April 2020

ISO/IEC DIS 30145-2, Information technology - Smart City ICT reference framework - Part 2: Smart city knowledge management framework, 17 April 2020, \$53.00

ISO/IEC DIS 9594-1, Information technology - Open systems interconnection - Part 1: The Directory: Overview of concepts, models and services, 23 April 2020, \$88.00

ISO/IEC DIS 9594-2, Information technology - Open systems interconnection - Part 2: The Directory: Models, 23 April 2020, \$203.00

ISO/IEC DIS 9594-3, Information technology - Open systems interconnection - Part 3: The Directory: Abstract service definition, 23 April 2020, \$175.00

ISO/IEC DIS 9594-4, Information technology - Open systems interconnection - Part 4: The Directory: Procedures for distributed operation, 23 April 2020, \$175.00

ISO/IEC DIS 9594-5, Information technology - Open systems interconnection - Part 5: The Directory: Protocol specifications, 23 April 2020, \$155.00

ISO/IEC DIS 9594-6, Information technology - Open systems interconnection - Part 6: The Directory: Selected attribute types, 23 April 2020, \$175.00

ISO/IEC DIS 9594-7, Information technology - Open systems interconnection - Part 7: The Directory: Selected object classes, 23 April 2020, \$98.00

ISO/IEC DIS 9594-8, Information technology - Open systems interconnection - Part 8: The Directory: Public-key and attribute certificate frameworks, 23 April 2020, \$203.00

ISO/IEC DIS 9594-9, Information technology - Open systems interconnection - Part 9: The Directory: Replication, 23 April 2020, \$107.00

Recently published IEC & ISO documents

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

IEC 60238 Amd.2 Ed. 9.0 b:2020, Amendment 2 - Edison screw lampholders, \$12.00

IEC 60238 Ed. 9.2 b:2020, Edison screw lampholders, \$528.00

IEC 63115-1 Ed. 1.0 b:2020, Secondary cells and batteries containing alkaline or other non-acid electrolytes - Sealed nickel-metal hydride cells and batteries for use in industrial applications - Part 1: Performance, \$199.00

ISO 20887:2020, Sustainability in buildings and civil engineering works - Design for disassembly and adaptability - Principles, requirements and guidance, \$162.00

ISO/IEC 13818-1/Amd1:2020, Information technology - Generic coding of moving pictures and associated audio information - Part 1: System - Amendment 1: Carriage of JPEG XS in MPEG-2 TS, \$19.00

ISO/IEC 14496-14:2020, Information technology - Coding of audio visual objects - Part 14: MP4 file format, \$103.00

ISO/IEC 21972:2020, Information technology - Upper level ontology for smart city indicators, \$162.00

ISO/IEC 23003-5:2020, Information technology - MPEG audio technologies - Part 5: Uncompressed audio in MPEG-4 file format, \$45.00

ISO/IEC 27007:2020, Information security, cybersecurity and privacy protection - Guidelines for information security management systems auditing, \$185.00

TSP meeting schedule

The following meetings will be held face-to-face at the Marriott Marquis Houston in conjunction with the 2020 USITT Conference and Stage Expo.

Control Protocols E1.37-2 IPv4/v6 PIDs	14:00 – 18:00	Friday 3 April 2020
Control Protocols E1.59 Automation Feedback TG	14:00 – 18:00	Thursday 2 April 2020
Control Protocols E1.68 Compliance TG	19:00 – 23:00	Thursday 2 April 2020
Control Protocols Next Gen Color TG	14:00 – 18:00	Wednesday 1 April 2020
Control Protocols Next Gen Overall CG	10:00 – 13:00	Friday 3 April 2020
Control Protocols NextGen Fixture	09:00 - noon	Saturday 4 April 2020
Control Protocols Working Group	09:00 - noon	Thursday 2 April 2020
Electrical Power Electrical Inspection TG	14:00 – 18:00	Wednesday 1 April 2020
Electrical Power Working Group	10:00 – 13:00	Wednesday 1 April 2020
Event Safety Fire Safety TG	14:00 – 18:00	Friday 3 April 2020
Event Safety Rigging Task Group	13:00 – 17:00	Friday 3 April 2020
Event Safety Working Group	13:00 – 16:00	Saturday 4 April 2020
Floors Working Group	14:00 – 17:00	Wednesday 1 April 2020
Followspot Position Working Group	19:00 – 22:00	Friday 3 April 2020
Photometrics Working Group	09:00 - noon	Saturday 4 April 2020
Rigging E1.67 TG	09:00 - noon	Friday 3 April 2020
Rigging Working Group	19:00 – 23:00	Thursday 2 April 2020
Stage Machinery E1.6-4 TG	09:00 – 11:00	Thursday 2 April 2020
Stage Machinery E1.64 TG	09:00 – 11:00	Wednesday 1 April 2020
Stage Machinery Working Group	13:00 – 17:00	Thursday 2 April 2020
Technical Standards Council	15:00 – 18:00	Friday 3 April 2020

The most current schedule for meetings is always available at <https://esta.org/ESTA/meetings.php>.

ESTA Standards Watch

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