



Technical Standards Program

ESTA Standards Watch

Late May 2023 Volume 27, Number 10

Table of Contents

Updated CDC Guidance for Ventilation.....	1
WTO Technical Barrier to Trade notifications.....	2
European Union/983.....	2
India/263.....	2
India/267.....	3
United States of America/1996.....	3
United States of America/2002.....	4
United States of America/2004.....	5
ANSI public review announcements.....	5
Due 11 June 2023.....	6
Due 18 June 2023.....	6
Due 26 June 2023.....	6
Due 03 July 2023.....	6
Due 10 July 2023.....	8
Due 11 July 2023.....	9
Due 25 July 2023.....	9
CSA public review announcement.....	10
Due 12 June 2023.....	10
Due 10 July 2023.....	10
New ANS projects.....	10
Final actions on American National Standards.....	12
Draft IEC & ISO documents.....	13
Recently published ISO & IEC documents.....	15
TSP meeting schedule.....	18
Editors.....	18
Investors in Innovation, supporters of ESTA's Technical Standards Program.....	19

Updated CDC Guidance for Ventilation

The [Centers for Disease Control and Prevention](#) (CDC) has updated its guidelines for ventilation in buildings, with a recommendation to provide at least five air changes per hour (ACH) of clean air to rooms in occupied spaces and guidance to upgrade to MERV-13 filters.

The CDC recommends, when possible, to aim for five or more ACH of clean air to help reduce the number of germs in the air. *“This can be achieved through any combination of central ventilation system, natural ventilation, or additional devices that provide equivalent ACH (eACH†) to your existing ventilation,”* the CDC reported. To that end, the CDC explains that that five ACH will not guarantee totally safe air in any space, but it reduces the risk of exposure to germs and other harmful air contaminants.

The health agency also recommends upgrading the central HVAC filter efficiency to a Minimum Efficiency Reporting Value (MERV)-13 or better. *“When compatible with your HVAC system, increased filtration efficiency is especially helpful when enhanced outdoor air delivery options are limited,”* according to the CDC.

Access the complete listing of CDC’s guidelines (updated on May 12) on its [Ventilation in Buildings webpage](#).

WTO Technical Barrier to Trade notifications

The World Trade Organization has announced Technical Barrier to Trade filings that may be of interest to *Standards Watch* readers. If you have a problem with a TBT, you can protest through your representative to the World Trade Organization.

European Union/983

Notification date: 26 May 2023

Agency responsible: European Commission

Enquiry point: European Commission, EU-TBT Enquiry Point, Fax: +(32) 2 299 80 43,

E-mail: grow-eu-tbt@ec.europa.eu

Website: <http://ec.europa.eu/growth/tools-databases/tbt/en/>

Products covered: Equipment for use outdoors (cleaning equipment, construction equipment, gardening equipment, loading and lifting equipment, power generators and cooling equipment, pumping and suction equipment, snowmobiles and snow groomers, waste collection, processing and recycling equipment) listed in Articles 12 and 13 and defined in Annex I to the Directive.

Title: Draft Commission Delegated Regulation amending Directive 2000/14/EC of the European Parliament and of the Council as regards the methods to measure airborne noise emitted by equipment for use outdoors; (7 page(s), in English), (24 page(s), in English)

Description of content: This proposal amends the methods to measure airborne noise emitted by equipment for use outdoors laid down in Annex III of Directive 2000/14/EC, which manufacturers need to comply with for the design and the conformity assessment of outdoor equipment.

Objective and rationale: Directive 2000/14/EC aims to protect human health and well-being of citizens as well as to protect the environment, by reducing noise emission by equipment for use outdoors. To achieve this, it is necessary to have up-to-date noise data of outdoor equipment on the market. The methods to measure airborne noise emitted by outdoor equipment have not been revised since the adoption of the Directive. It is therefore necessary to bring these methods in line with the technical progress; Protection of human health or safety; Protection of the environment

Relevant documents: Directive 2000/14/EC of the European Parliament and of the Council of 8 May 2000 on the approximation of the laws of the EU Member States relating to the noise emission in the environment by equipment for use outdoors. <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=celex:32000L0014>, Evaluation of Directive 2000/14/EC and supporting studies:

https://single-market-economy.ec.europa.eu/sectors/mechanical-engineering/noise-emission-outdoor-equipment_en

Proposed date of adoption: 3rd Quarter 2023

Proposed date of entry into force: 20 days from publication in the Official Journal of the EU (The provisions shall apply 24 months later)

Final date for comments: 60 days from notification

Texts available from: European Commission, EU-TBT Enquiry Point, Fax: + (32) 2 299 80 43,

E-mail: grow-eu-tbt@ec.europa.eu. The text is available on the EU-TBT Website :

<http://ec.europa.eu/growth/tools-databases/tbt/en/>

https://members.wto.org/crnattachments/2023/TBT/EEC/23_09829_00_e.pdf

https://members.wto.org/crnattachments/2023/TBT/EEC/23_09829_01_e.pdf

India/263

Notification date: 15 May 2023

Agency responsible: Department for Promotion of Industry and Internal Trade (DPIIT)

Access point: Shri Bikram Nath, Deputy Director - Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, Vanijya Bhawan, New Delhi. Telephone: +91-11-23038939, Email:

bikram.87@gov.in. Website: <https://dpiit.gov.in/>

Products covered: Flux Cored Solder Wire

Title: Flux Cored Solder Wire (Quality Control) Order, 2023; (2 page(s), in English)

Description of content: Flux Cored Solder Wire (Quality Control) Order, 2023

• A flux cored solder wire is a specific type of solder wire that has flux in the center of the wire. The concentration of flux inside of wire solder is typically 2% to 3% by weight. It is used in soldering electronic component, automobiles, telecommunication and diverse engineering industries.

Objective and rationale, including the nature of urgent problems where applicable: Prevention of deceptive practices and consumer protection; Protection of human health or safety; Protection of the environment; Quality requirements

Relevant documents: To be published in the Gazette of India

Proposed date of adoption: The date of notification in E-Gazette

Proposed date of entry into force: Six months from the date of notification in E-Gazette

Final date for comments: 60 days from notification

Texts available from: Shri Bikram Nath, Deputy Director - Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, Vanijya Bhawan, New Delhi – 110001, India

Telephone: 230388939, Email: bikram.87@gov.in; Website: : <https://dpiit.gov.in/>

https://members.wto.org/crnattachments/2023/TBT/IND/23_09653_00_e.pdf

India/267

Notification date: 25 May 2023

Agency responsible: Department for Promotion of Industry and Internal Trade (DPIIT)

Enquiry point: Shri Bikram Nath, Deputy Director, Department for Promotion of Industry and Internal Trade Ministry of Commerce and Industry, Vanijya Bhawan, New Delhi. Telephone: +91-11-23038939

Email: bikram.87@gov.in; Website: <https://dpiit.gov.in/>

Products covered: Hand Tools.

Title: Hand Tools (Quality Control) Order, 2023; (2 page(s), in English)

Description of content: Hand Tools (Quality Control) Order, 2023

1. A hand tool is any tool that is powered by hand rather than a motor. Categories of hand tools include wrenches, pliers, cutters, files, striking tools, hammered tools, screwdrivers, vises, clamps, snips, hacksaws, drills, and knives etc.
2. A wrench is a common hand tool used to tighten or loosen nuts and bolts, generally made from a chrome-plated steel alloy. Every wrench has two parts: the head, and the handle. Wrenches are categorized based on the shape of their ends. The most commonly used types of wrenches are open-end wrenches, box wrenches, pipe wrenches, single-ended open-jaw adjustable wrenches, open ended slugging wrenches etc.
3. A plier is a small pincer for holding small objects or for bending and cutting wire.

Objective and rationale, including the nature of urgent problems where applicable: Prevention of deceptive practices and consumer protection; Protection of human health or safety; Protection of the environment; Quality requirements

Relevant documents: To be published in the Gazette of India

Proposed date of adoption: The date of notification in E-Gazette.

Proposed date of entry into force: Six months from the date of notification in E-Gazette.

Final date for comments: 60 days from notification

Texts available from: Shri Bikram Nath, Deputy Director Department for Promotion of Industry and Internal Trade. Ministry of Commerce and Industry, Vanijya Bhawan New Delhi – 110001, India

Telephone: 230388939, Email: bikram.87@gov.in; Website: <https://dpiit.gov.in/>

https://members.wto.org/crnattachments/2023/TBT/IND/23_09796_00_e.pdf

United States of America/1996

Notification date: 12 May 2023

Agency responsible: Consumer Product Safety Commission (CPSC) [2027]

Access point: Please submit comments to: USA WTO TBT Enquiry Point, Email: usatbtep@nist.gov

Products covered: Toy look-alike imitation firearms; Domestic safety (ICS code(s): 13.120); Toys (ICS code(s): 97.200.50)

Title: Marking of Toy, Look-Alike, and Imitation Firearms; (4 page(s), in English)

Description of content: Direct final rule - The [Federal Energy Management Improvement Act Update](#) transferred the authority for regulating the marking of toy, look-alike, and imitation firearms from the Department of Commerce to the Consumer Product Safety Commission. The Commission is issuing this direct final rule to adopt the Department of Commerce rule for the marking of toy, look-alike, and imitation firearms, with non-substantive and conforming changes.

Objective and rationale, including the nature of urgent problems where applicable: Prevention of deceptive practices and consumer protection; Protection of human health or safety

Relevant documents: 88 Federal Register (FR) 30226, 11 May 2023; Title 16 Code of Federal Regulations (CFR) Part 1272:

<https://www.govinfo.gov/content/pkg/FR-2023-05-11/html/2023-09999.htm>

<https://www.govinfo.gov/content/pkg/FR-2023-05-11/pdf/2023-09999.pdf>

This direct final rule is identified by Docket Number CPSC-2023-0021. The Docket Folder is available on Regulations.gov at <https://www.regulations.gov/docket/CPSC-2023-0021/document> and provides access to primary and supporting documents as well as comments received. Documents are also accessible from [Regulations.gov](#) by searching the Docket Number. WTO Members and their stakeholders are asked to submit comments to the [USA TBT Enquiry Point](#). Comments received by the USA TBT Enquiry Point from WTO Members and their stakeholders by [4pm Eastern Time](#) on 12 June 2023 will be shared with the regulator and will also be submitted to the [Docket](#) on Regulations.gov if received within the comment period.

A read-only copy of AMS STD 595A-17 is available for viewing until the direct final rule takes effect, at no cost, on SAE's website at: <https://www.sae.org/standards/reading-room>. Once the rule takes effect, a read-only copy of the standard will continue to be available for viewing, at no cost, at the same web address. Interested parties can purchase a copy of SAE AMS STD 595A-17, *Colors Used in Government Procurement*, approved February 10, 2017, from SAE International, 400 Commonwealth Dr., Warrendale, PA 15096; telephone (888) 875-3976; www.sae.org.

Proposed date of adoption: 26 June 2023

Proposed date of entry into force: 26 June 2023; unless CPSC receives a significant adverse comment within 30 days of this notification. In accordance with the recommendation of the Administrative Conference of the United States (ACUS), the Commission considers a significant adverse comment to be "one where the commenter explains why the rule would be inappropriate," including a showing that challenges "the rule's underlying premise or approach," or that the rule "would be ineffective or unacceptable without a change." 60 FR 43108, 43111 (18 August 1995). As noted, this rule adopts the existing Commerce regulation without making substantive changes, and thus any public comments should address only this specific action.

Final date for comments: 12 June 2023

Texts available from: https://members.wto.org/crnattachments/2023/TBT/USA/23_09622_00_e.pdf

United States of America/2002

Notification date: 24 May 2023

If applicable, name of local government involved (Article 3.2 and 7.2):

Agency responsible:

Environmental Protection Agency (EPA) [2033]

Name and address: Please submit comments to: USA WTO TBT Enquiry Point, Email: usatbtep@nist.gov

Products covered: Small off-road engines; pollution control; Environmental protection (ICS code(s): 13.020); Air quality (ICS code(s): 13.040); Compressors and pneumatic machines (ICS code(s): 23.140); Motors (ICS code(s): 29.160.30)

Title: California State Nonroad Engine Pollution Control Standards; Small Off-Road Engines; Request for Authorization; Opportunity for Public Hearing and Comment; (3 page(s), in English)

Description of content: Notice and Virtual Public Hearing on 27 June 2023 - The California Air Resources Board (CARB) has notified EPA that it has adopted two sets of amendments to its [Small Off-Road Engine regulation \(SORE Amendments\)](#). By letter dated 20 December 2022, CARB asked that EPA authorize these amendments pursuant to section 209(e) of the [Clean Air Act \(CAA\)](#). This notice announces that EPA will hold a public hearing to consider California's authorization request and that EPA is now accepting written comment on the requests.

Objective and rationale: Protection of the environment

Relevant documents: 88 Federal Register (FR) 33143, 23 May 2023:

<https://www.govinfo.gov/content/pkg/FR-2023-05-23/html/2023-10923.htm>

<https://www.govinfo.gov/content/pkg/FR-2023-05-23/pdf/2023-10923.pdf>

EPA will hold a public hearing on 27 June 2023. See SUPPLEMENTARY INFORMATION for further information on the virtual public hearing.

This notice is identified by Docket Number EPA-HQ-OAR-2023-0151. The Docket Folder is available on Regulations.gov at <https://www.regulations.gov/docket/EPA-HQ-OAR-2023-0151/document> and provides access to primary documents as well as comments received. Documents are also accessible from [Regulations.gov](https://www.regulations.gov) by searching the Docket Number. WTO Members and their stakeholders are asked to submit comments to the [USA TBT Enquiry Point](#) by or before [4pm Eastern Time](#) on 28 July 2023. 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.

[USA/1206 and subsequent addenda](#) - Small Off-Road Engines

Vehicle Emissions California Waivers and Authorizations - This page lists Federal Register notices that EPA has issued in response to California waiver and authorization requests: <https://www.epa.gov/state-and-local-transportation/vehicle-emissions-california-waivers-and-authorizations>

Proposed date of adoption: To be determined

Proposed date of entry into force: To be determined

Final date for comments: 28 July 2023

Texts available from: https://members.wto.org/crnattachments/2023/TBT/USA/23_09785_00_e.pdf

United States of America/2004

Notification date: 25 May 2023

If applicable, name of local government involved (Article 3.2 and 7.2):

Agency responsible:

National Institute of Standards and Technology (NIST), U.S. Department of Commerce (DOC) [2035]

Name and address: Please submit comments to: USA WTO TBT Enquiry Point, Email: usatbtep@nist.gov

Products covered: Technical Standards Development

Title: National Standards Strategy for Critical and Emerging Technology; (14 page(s), in English)

Description of content: This strategy outlines how the U.S. Government will strengthen U.S. leadership and competitiveness in international standards development and ensure that the development of standards in critical and emerging technologies (CET) embrace transparency, openness, impartiality and consensus, effectiveness and relevance, coherence, and broad participation.

Objective and rationale: To renew the United States' rules-based approach to standards development; encourage long-term investments in standards development; address gaps and bolster U.S. participation in critical and emerging technologies (CET) standards development activities; ensure that international standards are established based on technical merit through fair processes that promote broad international participation

Relevant documents:

National Standards Strategy for Critical and Emerging Technology (USSCET): <https://www.whitehouse.gov/wp-content/uploads/2023/05/US-Gov-National-Standards-Strategy-2023.pdf>

Fact Sheet Announcing the USSCET:

<https://www.whitehouse.gov/briefing-room/statements-releases/2023/05/04/fact-sheet-biden-harris-administration-announces-national-standards-strategy-for-critical-and-emerging-technology/>

The [Standards Information Center](#) will provide resources as well as the opportunity for stakeholders to share their input; visit <https://www.nist.gov/standardsgov/usg-nss> for further information

Proposed date of adoption: 5 May 2023

Proposed date of entry into force: 5 May 2023

Final date for comments: N/A

Texts available from:

https://members.wto.org/crnattachments/2023/TBT/USA/23_09800_00_e.pdf

ANSI public review announcements

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

Due 11 June 2023

BSR/UL 9990-202x, Standard for Safety for Information and Communication Technology (ICT) Power Cables (new standard)

This Standard covers the power handling capabilities of Information and Communication Technology (ICT) cable assemblies when used for powering or charging Audio/Video, Information, and Communication Technology Equipment applications. This does not include Power Over Ethernet cables that are permanently installed to power equipment installed on the network. The signal transmission performance of the cable assemblies is not within the scope of these requirements. 1.2 These requirements apply to ICT cable assemblies categorized below, Type designations used in this standard only serve as a guide to determine appropriate requirements, and do not represent an assigned rating. a) Type I: These cable assemblies are intended to be used only in the output of a power source class 2 (PS2) and electrical energy source class 1 (ES1), or a limited power source, as determined in accordance with the Standard for Safety for Audio/Video, Information, and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1. These circuits do not exceed 60 V DC, 8.0 amperes and 100 watts. Note: These circuits are sometimes referred to as "*low voltage, limited-power circuits*", "*low voltage, limited-energy circuits*" or "*NEC® Class 2 circuits*". b) Type II: These cable assemblies are intended to be used ... The complete changes may be viewed in the 12 May 2023 edition of ANSI's Standards Action Send comments to: Isabella Brodzinski, isabella.brodzinski@ul.org

Due 18 June 2023

BSR/UL 1479-202X, Standard for Fire Tests of Penetration Firestops (revision of ANSI/UL 1479-2021) 1. Defining Initial Measured Thickness (revision)

Single copy price: Free

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

Send comments to: Follow the instructions at the website listed above to enter comments into the CSDS Work Area.

Due 26 June 2023

BSR/ASA S12.9-2013/Part 3 (R202x), Quantities and Procedures for Description and Measurement of Environmental Sound, Part 3: Short-term Measurements with an Observer Present (reaffirmation of ANSI/ASA S12.9-2013/Part 3 (R2018))

This standard is the third in a series of parts concerning description and measurement of outdoor environmental sound. The standard describes recommended procedures for measurement of short-term, time-average environmental sound outdoors at one or more locations in a community for environmental assessment or planning for compatible land uses and for other purposes such as demonstrating compliance with a regulation. These measurements are distinguished by the requirement to have an observer present. Sound may be produced by one or more separate, distributed sources of sound such as a highway, factory, or airport. Methods are given to correct the measured levels for the influence of background sound.

Single copy price: \$127.00

Obtain an electronic copy from and send comments to: standards@acousticalsociety.org

BSR/UL 1577-2015 (R202x), Standard for Safety for Optical Isolators (reaffirmation of ANSI/UL 1577-2015 (R2019)) Reaffirmation and continuance of the Fifth Edition of the Standard for Safety for Optical Isolators, UL 1577, as a standard.

Single copy price: Free

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

Send comments to: Follow the instructions at the website listed above to enter comments into the CSDS Work Area.

Due 03 July 2023

BSR S3.71 (R202x), Methods for Measuring the Effect of Head-worn Devices on Directional Sound Localization in the Horizontal Plane (reaffirmation of ANSI/ASA S3.71-2019)

The methods described in this standard provide data which may be used for assessment of sound localization performance open ear and with head-worn devices using human subjects. The standard describes three measurement methods: (1) a low-complexity method using 8 loudspeakers to measure location discrimination performance; (2) a more complex, more robust method to measure localization error using 36 loudspeakers; and (3) a method to measure the functional impact of degraded localization cues on visual search time with 36 loudspeakers. The standard specifies subject qualification criteria, test space acoustic requirements, details of the three methods, and reporting requirements. The standard does not provide guidance for measuring localization performance for elevation or for clinical spatial audiometry.

Single copy price: \$165.00

Obtain an electronic copy from: standards@acousticalsociety.org

Send comments to: Nancy Blair-DeLeon, standards@acousticalsociety.org

BSR S3.21-202x, Methods for Manual Pure-Tone Threshold Audiometry (reaffirmation of ANSI/ASA S3.21-2004 (R2019))

This Standard provides a procedure for pure-tone audiometry that will serve the needs of persons conducting threshold measurements in industry, schools, medical settings, and other areas where valid audiometric threshold measurements are needed.

Single copy price: \$121.00

Obtain an electronic copy from: standards@acousticalsociety.org

Send comments to: Nancy Blair-DeLeon, standards@acousticalsociety.org

BSR/ASA S3.47-2014 (R202x), Specification of Performance Measurement of Hearing Assistance Devices/Systems (reaffirmation of ANSI/ASA S3.47-2014 (R2019))

This standard provides methods for evaluation of hearing assistance devices/systems (HADS) that are packaged for individual use and deliver the signal via air conduction to the user. Among the test methods described are a family of response curves, output sound pressure curve for 90-dB sound pressure level input, frequency range, total harmonic distortion, noise level with no input, static and dynamic AGC characteristics, and gain control linearity. The measurements are similar to those described in ANSI/ASA S3.22-2009 standard Specification of Hearing Aid Characteristics.

Single copy price: \$110.00

Obtain an electronic copy from: standards@acousticalsociety.org

Send comments to: Nancy Blair-DeLeon, standards@acousticalsociety.org

BSR/EIA 364-42C-2012 (R202x), Impact Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-42C-2012 (R2018))

This standard establishes a method to determine the effects of impacts on electrical connectors.

Single copy price: \$78.00

Obtain an electronic copy from: global.ihs.com

Send comments to: emikoski@ecianow.org

BSR/EIA 364-54A-1999 (R202x), Magnetic Permeability Test Procedure for Electrical Connectors, Contacts, and Sockets (reaffirmation of ANSI/EIA 364-54A-1999 (R2018))

The object of this test is to detail a standard method to determine whether the magnetic permeability of a test item is below a specified value.

Single copy price: \$75.00

Obtain an electronic copy from: global.ihs.com

Send comments to: emikoski@ecianow.org

BSR/EIA 364-95-1999 (R202x), Full Mating and Mating Stability Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-95-1999 (R2018))

This document defines methods to evaluate the coupled condition of a connector plug, with its mating receptacle. This procedure assesses the ability of a connector pair to remain fully mated after exposure to test conditions but not during exposure.

Single copy price: \$79.00

Obtain an electronic copy from: global.ihs.com

Send comments to: emikoski@ecianow.org

BSR/EIA 364-99-1999 (R202x), Gage Location and Retention Test Procedure for Electrical Connectors

(reaffirmation of ANSI/EIA 364-99-1999 (R2018))

This standard establishes a method of determining the gage location and retention of electrical connectors. Single copy price: \$75.00

Obtain an electronic copy from: global.ihs.com

Send comments to: emikoski@ecianow.org

BSR/EIA 364-102-1998 (R202x), Rise Time Degradation Test Procedure for Electrical Connectors, Sockets, Cable Assemblies or Interconnection Systems (reaffirmation of ANSI/EIA 364-102-1998 (R2018))

This standard describes a method for measuring the effect a specimen has on the rise time of a signal passing through it.

Single copy price: \$85.00

Obtain an electronic copy from: global.ihs.com

Send comments to: emikoski@ecianow.org

BSR/EIA 364-103-1998 (R202x), Propagation Delay Test Procedure for Electrical Connectors, Sockets, Cable Assemblies or Interconnection Systems (reaffirmation of ANSI/EIA 364-103-1998 (R2018))

This standard describes a method for measuring the time it takes for a digital signal to propagate from one specified point to a second specified point.

Single copy price: \$85.00

Obtain an electronic copy from: global.ihs.com

Send comments to: emikoski@ecianow.org

BSR/PMI 08-002-202X, The Standard for Program Management (revision of ANSI/PMI 08-002-2017)

The Standard for Program Management, Fifth Edition, provides guidelines for managing programs within an organization. It defines program management and related concepts, describes the program management life cycle, and provides guidance to practitioners on best practices. A cover-to-cover revision was conducted to address needed modifications that will allow it to best serve the field.

Single copy price: Free

Obtain an electronic copy from: <https://publiccomment.pmi.org/>

Send comments to: Lorna Scheel, lorna.scheel@pmi.org

Due 10 July 2023

BSR/ASME A17.3-202x, Safety Code for Existing Elevators and Escalators (revision of ANSI/ASME A17.3-2020) This safety standard covers existing elevators, escalators, and their hoistways.

Single copy price: Free

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

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

BSR/AWS B5.16-202x, Specification for the Qualification of Welding Engineering Personnel (new standard)

This specification establishes the requirements for qualification of Welding Engineering Technologists and Welding Engineers employed in the welding industry. The minimum experience, examination, application, qualification, and requalification requirements and methods are defined herein. This specification is a method for engineering personnel to establish a record of their qualification and abilities in welding industry work such as development of procedures, processes controls, quality standards, problem solving, etc.

Single copy price: Member \$26.00/Non-member \$34.50

Obtain an electronic copy from, and send comments to: Brenda Boddiger, bboddiger@aws.org

BSR/AWS D14.0/D14.0M-202x, Machinery and Equipment Welding Specification (revision, redesignation and consolidation of AWS D14.1/D14.1M-2005; AWS D14.3/D14.3M-2019; AWS D14.4/D14.4M-2019; AWS D14.5/D14.5M-2009)

This specification establishes design, manufacture, quality, inspection, and repair requirements for carbon, lowalloy, and alloy steel welded connections in machinery and equipment. It addresses topics including weld joint

design, workmanship, quality acceptance criteria, nondestructive examination methods (visual, radiographic, ultrasonic, magnetic particle, and liquid penetrant), repair of weld defects, and postweld heat treatment.

Single copy price: \$134.00 Non-Member / \$100.00 Member

Obtain an electronic copy from, and send comments to: kbulger@aws.org

BSR/UL 1004-4-2018 (R202x), Standard for Safety for Electric Generators (reaffirmation of ANSI/UL 1004-4 - 2018)

Reaffirmation of UL 1004-4 which covers electric generators, also referred to as alternators, which, when coupled with prime movers, such as engines or electric motors, are used to produce electricity. This Standard covers generators, including those for standby use rated 34,000 volts or less.

Single copy price: Free

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

Send comments to: Follow the instructions at the website listed above to enter comments into the CSDS Work Area.

Due 11 July 2023

INCITS/ISO/IEC 23090-3:2022 [202x], Information technology - Coded representation of immersive media – Part 3: Versatile video coding (identical national adoption of ISO/IEC 23090-3:2022)

Specifies a video coding technology known as versatile video coding (VVC), comprising a video coding technology with a compression capability that is substantially beyond that of the prior generations of such standards and with sufficient versatility for effective use in a broad range of applications.

Single copy price: \$263.00

Obtain an electronic or hard copy from: <http://webstore.ansi.org>

Send comments to: Barbara Bennett: comments@standards.incits.org

INCITS/ISO/IEC 23090-6:2021 [202x], Information technology - Coded representation of immersive media – Part 6: Immersive media metrics (identical national adoption of ISO/IEC 23090-6:2021)

Specifies immersive media metrics and the measurement framework. The immersive media metrics can be collected by service providers and used to enhance the immersive media quality and experiences. This document also includes a client reference model with observation and measurement points for collection of the metrics.

Single copy price: \$116.00

Obtain an electronic or hard copy from: <http://webstore.ansi.org>

Send comments to: Barbara Bennett: comments@standards.incits.org

INCITS/ISO/IEC 23090-7:2022 [202x], Information technology - Coded representation of immersive media – Part 7: Immersive media metadata (identical national adoption of ISO/IEC 23090-7:2022)

Specifies common immersive media metadata focusing on immersive videos (including 360° videos) and images.

Single copy price: \$210.00

Obtain an electronic or hard copy from: <http://webstore.ansi.org>

Send comments to: Barbara Bennett: comments@standards.incits.org

INCITS/ISO/IEC 23090-10:2022 [202x], Information technology - Coded representation of immersive media – Part 10: Carriage of visual volumetric video-based coding data (identical national adoption of ISO/IEC 23090 -10:2022)

Specifies carriage of coded media representations which comply with visual volumetric video-based coding and video-based point cloud compression (specified in ISO/IEC 23090-5).

Single copy price: \$263.00

Obtain an electronic or hard copy from: <http://webstore.ansi.org>

Send comments to: Barbara Bennett: comments@standards.incits.org

Due 25 July 2023

BSR/IEEE/IES 3001.9-202x, Recommended Practice for the Design of Power Systems Supplying Lighting Systems in Commercial and Industrial Facilities (new standard)

This recommended practice covers the design of power systems supplying lighting loads of industrial and commercial facilities. Common power system considerations specifically related to lighting loads are covered including voltage drop, transients, flicker, and circuiting recommendations for various applications. General fundamental concepts of lighting design including common light sources, control methods, and application techniques are discussed. Industry-recognized lighting design organizations and applicable lighting codes are discussed and identified as further resources for the lighting designer.

Single copy price: \$9.00

Order from: <https://www.techstreet.com/ieee>

Send comments to: k.evangelista@ieee.org

CSA public review announcement

The CSA Group has announced a proposal 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 12 June 2023

C22.2 NO.96, Portable power cables (New Edition)

This Standard specifies construction and testing requirements for portable power cables normally used in applications where the cables are subject to frequent flexing and where installation is in accordance with CSA M421 and/or the Canadian Electrical Code, Part I where applicable.

Due 10 July 2023

CSA W59, Welded steel construction (New Edition)

This Standard covers welding requirements for carbon and low-alloy welded steel construction, with the exception of pressure vessels or structures governed by special codes such as those of the American Petroleum Institute, the American Society of Mechanical Engineers, or the American Water Works Association.

New ANS projects

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

BSR/E1.11-202x, Entertainment Technology—USITT DMX512-A, Asynchronous Serial Digital Data Transmission Standard for Controlling Lighting Equipment and Accessories (revision of ANSI E1.11-2008 (R2018))

E1.11 describes a protocol for transmitting digital data used to control entertainment lighting equipment and accessories. Entertainment lighting equipment and accessories includes, but is not limited to, dimmers, robotic luminaires, color changers, robotic mirrors, dousers, color wheels, motion effects wheels, and pattern rotators. The protocol is not intended to be used to control equipment where injury to people or damage to property could result.

Contact Karl Ruling <standards@esta.org>

BSR/E1.73-1-202x, Next Generation Entertainment Control Model: Uniform Device Representation, Core Document (new standard)

E1.73-1 defines essential structures and uses of the data model and structures used in an E1.73 Uniform Device Representation standards suite. The E1.73 suite 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. A standard method will be provided to map controllable parameters to existing control endpoints.

Contact Karl Ruling <standards@esta.org>

BSR/E1.73-2-202x, Core Definitions for E1.73-1 Next Generation Entertainment Control Model: Uniform Device Representation (new standard)

E1.73 provides a framework by which manufacturers of entertainment equipment can describe controllable and visualizable devices in a digital format. This part, E1.73-2, provides core definitions. The E1.73 suite 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. A standard method will be provided to map controllable parameters to existing control endpoints.

Contact Karl Ruling <standards@esta.org>

BSR/E1.73-3-202x, Intensity/Color Definitions for E1.73-1 Next Generation Entertainment Control Model: Uniform Device Representation (new standard)

E1.73 provides a framework by which manufacturers of entertainment equipment can describe controllable and visualizable devices in a digital format. This part, E1.73-3, provides intensity/color definitions. The E1.73 suite 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. A standard method will be provided to map controllable parameters to existing control endpoints.

Contact Karl Ruling <standards@esta.org>

BSR/E1.73-4-202x, Motion Definitions for E1.73-1 Next Generation Entertainment Control Model: Uniform Device Representation (new standard)

E1.73 provides a framework by which manufacturers of entertainment equipment can describe controllable and visualizable devices in a digital format. This part of the E1.73 suite, E1.73-4, defines types of motion with lighting equipment. 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. A standard method will be provided to map controllable parameters to existing control endpoints.

Contact Karl Ruling <standards@esta.org>

BSR/IES LM-85-23-202x, Approved Method: Optical and Electrical Measurements of LED Sources (revision of ANSI/IES LM-85-2020)

This document provides guidance for the measurement of light emitting diode (LED) sources such as LED packages and LED arrays. The output of an LED source is strongly dependent on its operating conditions—in particular, the junction temperature (TJ). Minor changes in TJ can significantly affect the output of an LED. Therefore, accurately setting and measuring TJ is critical for photometric and colorimetric measurements. LED manufacturers typically provide performance characteristics of LED sources at TJ of 25 °C and/or 85 °C.

Contact Patricia McGillicuddy <pmcgillicuddy@ies.org>

BSR/IES TM- (SO417)-202x, Technical Memorandum: Parametric Variations in LED Packages, Arrays and Modules affecting Luminous Flux and Color Maintenance (new standard)

This document provides recommended practices for the application of LM-80 test reports where variations exist between a tested LED package/array/module (as defined in IES LS-1) and untested LED package(s)/array(s)/module(s) for which said test reports may be deemed applicable.

Contact Patricia McGillicuddy <pmcgillicuddy@ies.org>

BSR/E1.1-202x, Wire Rope Ladders (revision of ANSI/E1.1-2018)

This standard describes the construction and use of wire rope ladders in the entertainment industry in order to promote worker safety. The entertainment industry includes, but is not strictly limited to, musical productions, live concerts, live theater, film production, video production, corporate events, and trade shows. Wire rope ladders are used where ladders with rigid rails are impractical to use or would pose a greater danger.

Contact Richard Nix <standards@esta.org>

BSR/ES1.42-202x, Parade Safety (new standard)

This standard addresses the unique public safety considerations associated with parades. It will expand on ANSI E1.57 -2016 (R2021), and will apply some of the principles addressed in ANSI ES1.9-2020, as applicable specifically to parades.

Contact Richard Nix <standards@esta.org>

BSR/E1.80-202x, 19-pin connector pinout assignments (new standard)

This standard addresses the pinout assignments for 19-pin Socapex-style connectors used for various types of power distribution systems in the entertainment industry. It will establish standardized pinout assignments and type designations in order to reduce connection incompatibilities, thereby reducing the risk of shock and electrocution hazards, and the potential for equipment damage.

Contact Richard Nix <standards@esta.org>

BSR/EIA 364-06C-202x, Contact Resistance Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-06C-2006 (R2017))

This standard establishes test methods to determine the resistance of mated connector contacts attached to lengths of wire by measuring the voltage drop across the contacts while they are carrying a specified current.

Contact: Laura Donohoe <ldonohoe@ecianow.org>

BSR/C137.4-202X, Standard for Lighting Systems - Interoperability of LED Drivers and Other Connected Devices Via the Digital Addressable Lighting Interface (revision of ANSI/C137.4-2021)

This standard specifies the minimum requirements for devices such as drivers, AUX power supplies, controls, sensors, luminaire-mounted control devices, and communication devices supporting a digital interface between devices. This standard builds on the digital addressable lighting interface as specified in the IEC 62386 series of standards to specify the requirements for memory bank usage, logic signal interface, energy reporting, diagnostic information, as well as requirements for auxiliary power supplies that may be integrated into an LED driver.

Contact Michael Erbesfeld <Michael.Erbesfeld@nema.org>

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. "Final actions" means "done for now." No standard is ever finished.

ANSI/ASA S12.58-2012 (R2019), Sound Power Level Determination for Sources Using a Single-Source Position (withdrawal of ANSI ASA S12.58-2012 (R2019)) Final Action Date: 5/5/2023 | Withdrawal

ANSI/ASA S2.72-2003/Part 4 (R2023)/ISO 2631-4-2001 (R2023), Mechanical Vibration and Shock - Evaluation of Human Exposure to Whole Body Vibration - Part 4: Guidelines for the Evaluation of the Effects of Vibration and Rotational Motion on Passenger and Crew Comfort in Fixed-Guideway Transport Systems (a nationally adopted international standard) (reaffirm a national adoption ANSI/ASA S2.72-2003/Part 4 (R2018)/ISO 2631-4-2001 (R2018)) Final Action Date: 5/5/2023 | Reaffirmation

ANSI/ASA S2.72/Part 4 Amd. 1-2010/ISO 2631-4 Amd. 1:2010 (R2023), Mechanical vibration and shock - Evaluation of human exposure to whole-body vibration - Part 4: Guidelines for the evaluation of the effects of vibration and rotational motion on passenger and crew comfort in fixed-guideway transport systems, AMENDMENT 1 (a nationally adopted international standard--AMENDMENT) (reaffirm a national adoption ANSI/ASA S2.72/Part 4 Amd. 1-2010/ISO 2631-4 Amd. 1:2010 (R2018)) Final Action Date: 5/5/2023 | Reaffirmation

ANSI/ASSP Z359.2-2023, Minimum Requirements for a Comprehensive Managed Fall Protection Program (revision and redesignation of ANSI/ASSE Z359.2-2017) Final Action Date: 5/5/2023 | Revision

ANSI/UL 969-2018 (R2023), Standard for Safety for Marking and Labeling Systems (reaffirmation of ANSI/UL 969-2018) Final Action Date: 5/9/2023 | Reaffirmation

ANSI/UL 62841-3-13-2018 (R2023), UL Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-13: Particular Requirements for Transportable Drills (reaffirmation of ANSI/UL 62841-3-13-2018) Final Action Date: 5/10/2023 | Reaffirmation

ANSI/ASME B30.22-2023, Articulating Boom Cranes (revision of ANSI/ASME B30.22-2016) Final Action Date: 5/19/2023 | Revision

ANSI/AWS A5.10/A5.10M (ISO 18273-2023 MOD), Specification for Bare Aluminum and Aluminum-Alloy Welding Electrodes and Rods (national adoption of ISO 18273 with modifications and revision of ANSI/AWS A5.10/A5.10M -2021 (ISO 18273-2015 MOD)) Final Action Date: 5/19/2023 | National Adoption ANSI/AWS A5.3/A5.3M-2023, Specification for Aluminum and Aluminum-Alloy Electrodes for Shielded Metal Arc Welding (new standard) Final Action Date: 5/19/2023 | New Standard

ANSI/AWS B2.1-1/8-227-2023, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/16 inch [1.5 mm] through 1 -1/2 inch [38 mm] Thick, ER309(L), in the As-Welded Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1 -1/8-227-2002 (R2013)) Final Action Date: 5/18/2023 | Revision

ANSI/AWS B2.1-1/8-228-2023, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E309(L)-15, -16, or -17, in the As-Welded Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-1/8-228-2002 (R2013)) Final Action Date: 5/18/2023 | Revision

ANSI/AWS B2.1-1/8-229-2023, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER309(L) and E309(L)-15, -16, or -17, in the As-Welded Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-1/8-229-2002 (R2013)) Final Action Date: 5/18/2023 | Revision

ANSI/AWS B2.1-1/8-230-2023, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding with Consumable Insert Root of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/16 inch [1.5 mm] through 1-1/2 inch [38 mm] Thick, IN309 and ER309(L), As-Welded Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-1/8-230-2002 (R2013)) Final Action Date: 5/18/2023 | Revision

ANSI E1.14-2018 (R2023), Entertainment Technology - Recommendations for Inclusions in Fog Equipment Manuals (reaffirmation of ANSI E1.14-2018) Final Action Date: 5/16/2023 | Reaffirmation

ANSI/IES TM-33-2023, Technical Memorandum: Standard Format for the Electronic Transfer of Luminaire Optical Data (revision of ANSI/IES TM-33-2018) Final Action Date: 5/18/2023 | Revision

ANSI/NFPA 70E®-2024, Standard for Electrical Safety in the Workplace® (revision of ANSI/NFPA 70E-2021) Final Action Date: 5/13/2023 | Revision

ANSI/NFPA 1078-2024, Standard for Electrical Inspector Professional Qualifications (revision of ANSI/NFPA 1078-2019) Final Action Date: 5/13/2023 | Revision

ANSI/SDI COSP-2023, Code of Standard Practice for Steel Deck (new standard) Final Action Date: 5/18/2023 | New Standard

ANSI/UL 817-2023, Standard for Cord Sets and Power Supply Cords (revision of ANSI/UL 817-2021) Final Action Date: 5/16/2023 | Revision

ANSI/UL 1574-2023, Standard for Safety for Track Lighting Systems (revision of ANSI/UL 1574-2021) Final Action Date: 5/19/2023 | Revision

Draft IEC & ISO documents

This section lists proposed documents listed in ANSI's *Standards Action* that the IEC or the ISO or both are considering for approval and that may be of interest to *Standards Watch readers*. Anyone interested in reviewing and commenting should order a copy from their national representative and submit their comments through them. Comments from US citizens on ISO documents must be sent to the ISO Team (isot@ansi.org), and must be

submitted electronically in the approved ISO template as a Word document. US comments on IEC documents should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (tzertuche@ansi.org). ISO and IEC Drafts can be made available by contacting ANSI's Customer Service department, sales@ansi.org.

ISO 3548-1:2022/DAmD 1, - Amendment 1: Plain bearings – Thinwalled half bearings with or without flange - Part 1: Tolerances, design features and methods of test - Amendment 1 - 7/27/2023, \$33.00

ISO/DIS 20121, Event sustainability management systems - Requirements with guidance for use - 7/21/2023, \$119.00

100/3903(F)/FDIS, IEC 60728-101-2 ED1: Cable networks for television signals, sound signals and interactive services – Part 101-2: Performance requirements for signals delivered at the system outlet in operation with all-digital channels load, 05/19/2023

48B/3042/FDIS, IEC 61076-8-105 ED1: Connectors for electrical and electronic equipment - Product requirements - Part 8-105: Power connectors - Detail specification for 2-pole snap locking rectangular power connectors with plastic housing for 63 A rated current and 400 V rated voltage, 06/16/2023

47E/808/NP, PNW 47E-808 ED1: Semiconductor devices -Part 5 -17: Optoelectronic devices - Light emitting diodes – Measuring methods of micro scale light emitting diodes array, 07/28/2023

JTC1-SC25/3157/CD, ISO/IEC 11801-6/AMD1 ED1: Amendment 1 - Information technology - Generic cabling for customer premises - Part 6: Distributed building services, 07/28/2023

JTC1-SC25/3153/CD, ISO/IEC 30129/AMD2 ED1: Amendment 2 - Information technology - Telecommunications bonding networks for buildings and other structures, 07/28/2023

JTC1-SC25/3156/CD, ISO/IEC TR 11801-9906 ED2: Information technology - Generic cabling for customer premises - Part 9906: Balanced 1-pair cabling channels up to 600 MHz for single pair Ethernet (SPE), 07/28/2023

100/3928/DTS, IEC TS 61966-13 ED1: Multimedia systems and equipment - Colour measurement and management - Part 13: Measurement method of Display Colour Properties Depending on Observers (TA 2), 08/04/2023

86C/1871/CD, IEC 61280-2-13 ED1: Fibre optic communication subsystem test procedures - Part 2-13: Digital systems - Measurement of error vector magnitude, 08/04/2023

86B/4763/DPAS, IEC PAS 63503-3-30 ED1: Fibre optic interconnecting devices and passive components – Connector optical interfaces for multi-core fibre - Part 3-30: Connector parameters of standard outer diameter 4-core physically contacting fibres - non-angled 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrules, 07/07/2023

86A/2324/CD, IEC TR 63431 ED1: Optical fibre cables - Microduct technology - Guidance, 08/04/2023

ISO/DIS 17097, 3-D human body scan data - Part 1: Terminologies and methodologies for processing of human scan data - 8/3/2023, \$71.00

ISO/IEC 14496-15:2022/DAmD 2, - Amendment 2: Information technology - Coding of audio-visual objects - Part 15: Carriage of network abstraction layer (NAL) unit structured video in the ISO base media file format - Amendment 2: Picture-in-picture support and other extensions - 8/5/2023, \$46.00

ISO/IEC 23001-11:2023/DAmD 1, - Amendment 1: Information technology - MPEG systems technologies - Part 11: Energy efficient media consumption (green metadata) - Amendment 1: Energy-efficient media consumption (green metadata) for EVC - 8/5/2023, \$40.00

ISO/IEC DIS 14882, Programming languages - C++ - 8/5/2023, FREE

64/2617(F)/FDIS, IEC 60364-7-716 ED1: Low-voltage electrical installations - Part 7-716: Requirements for special installations or locations - ELV DC power distribution over information and communications technology (ICT) cable infrastructure, 06/09/2023

86B/4764/FDIS, IEC 61300-2-26 ED3: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-26: Tests - Salt mist, 06/30/2023

86B/4757(F)/FDIS, IEC 61300-3-45 ED2: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-45: Examinations and measurements - Attenuation of random mated multi-fibre connectors, 06/09/2023

86B/4767/CD, IEC 62074-1 ED3: Fibre optic interconnecting devices and passive components - Fibre optic WDM devices - Part 1: Generic specification, 07/14/2023

86B/4765/CD, IEC 63267-3-61 ED1: Fibre optic interconnecting devices and passive components - Fibre optic connector optical interfaces for enhanced macrobend multimode fibres - Part 3-61: Connector parameters of physically contacting 50µm core diameter fibres - Non-angled 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrules for reference connection applications, 08/11/2023

86B/4766/CD, IEC 63267-3-81 ED1: Fibre optic interconnecting devices and passive components - Connector optical interfaces for enhanced Macro bend multimode fibre - Part 3-81: Connector parameters of physically contacting 50µm core diameter fibres - Non-angled polyphenylene sulphide rectangular ferrules with a single row of 12, 8, 4, or 2 fibres for reference connector applications, 08/11/2023

86A/2332/DTR, IEC TR 63309 ED1: Active fibres – Characteristics and Measurement Methods - Guidance, 07/14/2023

34C/1578/CDV, IEC 61347-2-11 ED2: Controlgear for electric light sources - Safety - Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires, 08/11/2023

Recently published ISO & IEC documents

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

ISO 8062-4:2023, Geometrical product specifications (GPS) - Dimensional and geometrical tolerances for moulded parts - Part 4: Rules and general tolerances for castings using profile tolerancing in a general datum system, \$210.00

ISO 25980:2023, Health and safety in welding and allied processes - Transparent welding curtains, strips and screens for arc welding processes, \$116.00

IEC 61156-11 Ed. 2.0 en:2023, Multicore and symmetrical pair/quad cables for digital communications - Part 11: Symmetrical single pair cables with transmission characteristics up to 1,25 GHz - Horizontal floor wiring - Sectional specification, \$234.00

S+ IEC 61156-11 Ed. 2.0 en:2023 (Redline version), Multicore and symmetrical pair/quad cables for digital communications - Part 11: Symmetrical single pair cables with transmission characteristics up to 1,25 GHz - Horizontal floor wiring - Sectional specification, \$305.00

IEC 61076-8-103 Ed. 1.0 b:2023, Connectors for electrical and electronic equipment - Product requirements - Part 8-103: Power connectors - Detail specification for 2P+PE circular connectors with 20 A rated current and push-pull locking IP65/IP67 with metal housing, \$278.00

IEC 61076-8-104 Ed. 1.0 b:2023, Connectors for electrical and electronic equipment - Product requirements - Part 8-104: Power connectors - Detail specification for 2-pole circular connectors with 40 A rated current and push-pull locking IP65/IP67 with metal housing, \$278.00

IEC 61076-8-108 Ed. 1.0 b:2023, Connectors for electrical and electronic equipment - Product requirements - Part 8-108: Power connectors - Detail specification for 2P 250 A, 1 000 V plus 2P 5 A 50 V rectangular housing shielded connectors with IP65/IP68 degree of protection when mated and locked, and IPXXB when unmated, \$278.00

IEC 61784-2-11 Ed. 1.0 b:2023, Industrial networks - Profiles - Part 2-11: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 11, \$329.00

IEC 61784-2-12 Ed. 1.0 b:2023, Industrial networks - Profiles - Part 2-12: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 12, \$234.00

IEC 61784-2-13 Ed. 1.0 b:2023, Industrial networks - Profiles - Part 2-13: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 13, \$95.00

IEC 61784-2-14 Ed. 1.0 b:2023, Industrial networks - Profiles - Part 2-14: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 14, \$278.00

IEC 61784-2-15 Ed. 1.0 b:2023, Industrial networks - Profiles - Part 2-15: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 15, \$190.00

IEC 61784-2-16 Ed. 1.0 b:2023, Industrial networks - Profiles - Part 2-16: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 16, \$145.00

IEC 61784-2-17 Ed. 1.0 b:2023, Industrial networks - Profiles - Part 2-17: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 17, \$145.00

IEC 61784-2-18 Ed. 1.0 b:2023, Industrial networks - Profiles - Part 2-18: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 18, \$190.00

IEC 61784-2-20 Ed. 1.0 b:2023, Industrial networks - Profiles - Part 2-20: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 20, \$190.00

IEC 61784-2-21 Ed. 1.0 b:2023, Industrial networks - Profiles - Part 2-21: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 21, \$190.00

ISO 11610:2023, Protective clothing - Vocabulary, \$51.00

ISO 8887-2:2023, Technical product documentation - Design for manufacturing, assembling, disassembling and end-of-life processing - Part 2: Vocabulary, \$51.00

ISO/IEC 23008-9:2023, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 9: 3D Audio conformance testing, \$263.00

IEC 61076-8-107 Ed. 1.0 b:2023, Connectors for electrical and electronic equipment - Product requirements - Part 8-107: Power connectors - Detail specification for 2P 200 A, 1 000 V plus 2P 5 A 50 V rectangular housing shielded connectors with IP65/IP68 degree of protection when mated and locked, and IPXXB when unmated, \$278.00

IEC 61076-8-109 Ed. 1.0 b:2023, Connectors for electrical and electronic equipment - Product requirements - Part 8-109: Power connectors - Detail specification for 2P 130 A, 1 000 V plus 2P 5 A 50 V rectangular housing shielded connectors with IP65/IP68 degree of protection when mated and locked, and IPXXB when unmated, \$278.00

ISO 5926:2023, Technical requirements and test methods for digital cinema stereoscopic projection, \$51.00

ISO 3611:2023, Geometrical product specifications (GPS) - Dimensional measuring equipment - Design and metrological characteristics of micrometers for external measurements, \$116.00

IEC 60287-1-1 Ed. 3.0 en:2023, Electric cables - Calculation of the current rating - Part 1-1: Current rating equations (100 % load factor) and calculation of losses - General, \$278.00

IEC 60287-1-1 Ed. 3.0 en:2023 CMV, Electric cables – Calculation of the current rating - Part 1-1: Current rating equations (100 % load factor) and calculation of losses - General, \$417.00

IEC 60287-1-3 Ed. 2.0 en:2023, Electric cables - Calculation of the current rating - Part 1-3: Current rating equations (100 % load factor) and calculation of losses - Current sharing between parallel single-core cables and calculation of circulating current losses, \$190.00

IEC 60287-1-3 Ed. 2.0 en:2023 CMV, Electric cables – Calculation of the current rating - Part 1-3: Current rating equations (100 % load factor) and calculation of losses - Current sharing between parallel single-core cables and calculation of circulating current losses, \$285.00

IEC 60287-2-1 Ed. 3.0 en:2023, Electric cables - Calculation of the current rating - Part 2-1: Thermal resistance - Calculation of thermal resistance, \$329.00

IEC 60287-2-1 Ed. 3.0 en:2023 CMV, Electric cables – Calculation of the current rating - Part 2-1: Thermal resistance – Calculation of thermal resistance, \$494.00

IEC 60794-1-1 Ed. 5.0 b:2023, Optical fibre cables - Part 1-1: Generic specification - General, \$278.00

IEC 60794-1-1 Ed. 5.0 en:2023 CMV, Optical fibre cables - Part 1 -1: Generic specification - General, \$474.00

TSP meeting schedule

The next set of TSP working group meetings will be held at the Marriott DFW hotel in bucolic Westlake, Texas near the Dallas/Ft. Worth Airport. The most up to date version of the meeting schedule and a link to “Reserve a Hotel Room” are at <https://www.esta.org/ESTA/meetings.php>.

Control Protocols Working Group	09:00 – 13:00 CDT	Saturday 22 July 2023
Electrical Power Working Group	19:00 – 23:00 CDT	Friday 21 July 2023
Event Safety Working Group	14:00 – 18:00 CDT	Saturday 22 July 2023
Floors Working Group	10:00 – 13:00 CDT	Friday 21 July 2023
Fog & Smoke Working Group	10:00 – 13:00 CDT	Thursday 20 July 2023
Followspot Working Group	14:00 – 15:00 CDT	Friday 21 July 2023
Photometrics Working Group	16:00 – 18:00 CDT	Friday 21 July 2023
Rigging Working Group	19:00 – 23:00 CDT	Saturday 22 July 2023
Stage Machinery Working Group	19:00 – 23:00 CDT	Thursday 20 July 2023
Technical Standards Council	09:00 – 13:00 CDT	Sunday 23 July 2023
Weapons Safety Working Group	14:00 – 18:00 CDT	Thursday 20 July 2023

ESTA Standards Watch

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

Editors

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

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

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. Find back issues at <http://estalink.us/nn7a1>.

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

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

VISIONARY LEADERS (\$50,000 & up)

ETC

PLASA

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

Cisco

Disney Parks Live Entertainment

Columbus McKinnon Entertainment Technology

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

Altman Lighting, Inc.

Theatre Projects

McLaren Engineering Group

Theatre Safety Programs

Rose Brand

TMB

Stage Rigging

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

About the Stage

Michael Lay

B-Hive Industries, Inc.

Link

Scott Blair

John T. McGraw

Boston Illumination Group

Mike Garl Consulting

Candela Controls, Inc.

Mike Wood Consulting

Clark Reder Engineering

Lizz Pitsley

Tracey Cosgrove & Mark McKinney

Reed Rigging

Doug Fleenor Design

Reliable Design Services

Down Stage Right Industries Ltd.

Alan Rowe

EGI Event Production Services

Sapsis Rigging Inc.

Entertainment Project Services

SBS Lighting

Neil Huff

Steve A. Walker Associates

Interactive Technologies

Dana Taylor

iStudio Projects

Steve Terry

Jules Lauve

Vertigo

Brian Lawlor

WNP Services

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

Actors' Equity Association

Lex

Golden Sea Professional Lighting Provider

NAMM

IATSE Local 728

Texas Scenic Company

IATSE Local 891

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

American Society of Theatre Consultants

InterAmerica Stage, Inc.

Area Four Industries

Lycian Stage Lighting

BMI Supply

Niscon Inc.

City Theatrical Inc.

Tomcat Staging, Lighting and Support Systems

H&H Specialties, Inc.

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

Baxter Controls, Inc.

Jessica Sanders

ChamSix

Sehr Gute GmbH

Concept Smoke Systems Ltd.

David Thomas

Bruce William Darden

Techni-Lux

Ian Foulds

Tracy Underhill

Liberal Logic, Inc.

Ralph Weber

Luminator Technology Group

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

Harlequin Floors

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

High Output

InCord

iWeiss

Oasis Stage Werks

Stagemaker

Syracuse Scenery and Stage Lighting Co., Inc.

Vincent Lighting Systems

Wuhan Zhongtian Jiaye Mechanical & Electrical Eng.
Co.

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

Chip Scott Lighting Design

Matthew Douglas III

Beverly and Tom Inglesby

Inventions Guité

KASUGA

Bill McCord

Motion FX

Northern Lights Electronic Design

Shanxi Tian Gong Sheng Optoelectronic Equipment
Technology Co.

Sigma Net

Stephen Vanciel

Patrick Wallace

Mitchell Weisbrod

Extraordinary legacy gift: Ken Vannice

You can make a donation by visiting https://tsp.esta.org/tsp/inv_in_innovation/sponsor.html.

Become an *Investor in Innovation!*