



Technical Standards Program

ESTA Standards Watch

Late May 2016 Volume 20, Number 10

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Three ESTA Standards Remain In Public Review

Three draft standards remain posted on the Technical Standards Program public review page. Check 'em out at http://tsp.esta.org/tsp/documents/public_review_docs.php. Anyone who would be materially affected by the publication of these documents as American National Standards is invited to submit comments.

Due before 28 June 2016

BSR E1.40-201x, Recommendations for the Planning of Theatrical Dust Effects

A wide variety of products are used to create dust effects in motion picture and television production, and also in live theatrical productions and theme parks. The use of dust aerosols raises concerns for potential hazards, including combustibility and health effects from inhalation or ingestion, which are well-known in some industrial sectors, but are poorly understood in others. This document would provide recommendations for how to plan the use and assess the safety of such effects.

This document was last approved as an American National Standard in 2011 and is being revised to warn against deflagration--deflagration being the technical term for the wave of flame that burned hundreds of people at a water park in Taiwan last year. Other changes include a regrouping of types of dusts and changing MSDS references to SDS references.

BSR E1.41 - 201x, Recommendations for Measuring and Reporting Photometric Performance Data for Entertainment Luminaires Utilizing Solid State Light Sources

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

Originally approved as an American National Standard in 2012, E1.41 is being revised to specify that the Fidelity Index (R_f) rating, as defined in IES TM-30-15, be used for reporting the production of white light of a reported CCT. The existing ANSI E1.41 standard requires reporting the CQS score, but CQS has no hold in the lighting market. CRI is a flawed metric, not suitable for narrow-band emitters, so we are encouraging its replacement.

BSR E1.55 - 201x, Standard for Theatrical Makeup Mirror Lighting

The standard offers recommendations and requirements for makeup mirror lighting in performer dressing rooms and similar locations. It defines a range of acceptable lamp CCTs and color-rendering ratings, and also specifies illumination levels and lighting angles for illuminating the performer's face.

This standard was approved as an American National Standard last year, but is being opened for revision to add the Fidelity Index (R_f) rating per IES TM-30-15, IES Method for Evaluating Light Source Color Rendition, as an acceptable rating to meet the requirements for color rendering.

Call for Members

ESTA's TSP works to maintain a balance of interest on the working groups to help ensure that the standards developed are for the benefit of everyone: the people who make equipment, the people who sell or rent it, the people who specify it, and the people who use it. To do this, periodically the TSP issues a call for new members in particular interest categories. At this time, the following working groups are looking for voting members in the noted interest categories to help balance the interests in the working group.

- ◆ Control Protocols: Custom-market producers, general interest
- ◆ Electrical Power: Designers in particular but also any other categories except users
- ◆ Floors: Custom-market producers, dealer/rental companies
- ◆ Fog and Smoke: Custom-market producers, dealer/rental companies, and designers.
- ◆ Followspot Position: Designers, dealer/rental companies
- ◆ Photometrics: Custom-market producers, dealer/rental companies, users
- ◆ Rigging: Custom-market producers, designers
- ◆ Stage Lifts: Users, mass-market producers

The Followspot Position Working Group (FPWG) currently has just one published standard, ANSI E1.28 – 2011, Guidance on planning followspot positions in places of public assembly. This standard makes recommendations for the operational and functional aspects of permanent followspot positions within places of public assembly, including the determination of their location within the venue, their physical space requirements, and the safety considerations associated with their use. Originally published in 2011, the standard is currently undergoing its first required five-year revision, reaffirmation, or withdrawal cycle. The FPWG is considering reaffirmation and is lacking representation from designers and dealer/rental companies. Representatives who would be in either of those interest categories on the FPWG are particularly encouraged to join.

Voters in the Technical Standards Program are required to attend meetings and to vote on letter ballots. Membership in ESTA or any other organization is not a requirement for participation in ESTA's Technical Standards Program, but there is a \$100 a year per person participation fee—a flat rate, regardless of voting status or the number of working groups a person joins. The fee is levied to help defray the costs of running the TSP, which has always run a deficit. More information about becoming involved in the Technical Standards Program and a link to an application form is available at http://tsp.esta.org/tsp/working_groups/index.html.

Revised CAN/CSA-E60598-1 Published

The third edition of CAN/CSA-E60598-1, Luminaires — Part 1: General requirements and tests, which is an adoption, with Canadian deviations, of the identically titled IEC (International Electrotechnical Commission) Standard 60598-1 (eighth edition, 2014-05). It supersedes the previous edition, published in 2002 as CAN/CSA-E60598-1 (adopted IEC 60598-1:1996 +A1:1998+A2:1999).

The major differences between this edition and the previous edition include:

- the addition of requirements for fixing of thermal sensing controls, retinal blue light hazard, insulation between circuits, and overvoltage protective devices; and
- updates to the requirements for thermal test, touch current, protective conductor current and electrical burn, access to basic insulation, and markings.

Part 1 of IEC 60598 specifies general requirements for luminaires, incorporating electric light sources for operation from supply voltages up to 1,000 V. The requirements and related tests of this standard cover: classification, marking, mechanical construction, electrical construction and photobiological safety. The document serves as a set of add-on requirements to the basic requirements for luminaires.

USNC Explores Electronic Labeling as a Solution for Product Labeling

The U.S. National Committee (USNC) of the International Electrotechnical Commission (IEC) has published the spring 2016 issue of its quarterly newsletter, the USNC Current. The edition covers the evolution of electronic labels as they have come to replace less efficient labels and certification marks, and explores how e-labeling systems impact a number of key stakeholders in industry, including consumers, regulators, and manufacturers, as technologies advance. The issue also details how sensors are being integrated in healthcare and hazardous environment applications.

A committee of the American National Standards Institute (ANSI), the USNC serves as the focal point for U.S. parties who are interested in the development, promulgation, and use of globally-relevant standards for the electrotechnical industry. The Committee is also engaged in the assessment of conformance to standards, undertaking work in areas such as testing, certification, and accreditation.

The Current is distributed to the USNC membership, but is also freely available to all interested stakeholders. The latest issue is available at <http://estalink.us/fffno>. For more information on the USNC and how to get involved, contact USNC general secretary Tony Zertuche at attzertuche@ansi.org, or visit www.ansi.org/usnc.

WTO Technical Barrier to Trade Notifications

The U.S. Department of Commerce's service, Notify U.S., recently has announced WTO Technical Barrier to Trade notices that may be of interest to *Standards Watch* readers. If you have a problem with these notices, you can protest through your representative to the WTO. See "Guidance for Comment Submissions by U.S. Industry on TBT Notifications" at <http://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm> or <http://ec.europa.eu/enterprise/tbt/> for advice on filing objections.

Brazil Notification: BRA/671

Date issued: 9 May 2016

Agency Responsible: Brazilian Health Regulatory Agency (ANVISA)

Products covered: Electronic submission on importation of goods and products

Title: Resolution n° 74/2016, May 2nd 2016, regarding the electronic submission on importation of goods and products

Description of content: Resolution n° 74/2016, May 2nd 2016, regarding the electronic submission on importation of goods and products which are subjected to sanitary surveillance. This Resolution revokes all the items of Chapter VI of the Resolution RDC 81/2008.

Objective and rationale: Protection of Human health or Safety

Relevant documents: 1) Brazilian Official Journal (Diário Oficial da União), 3 May 2016; Section 1, p. 32; 2) Not stated; 3) Brazilian Official Journal; 4) Not stated.

Proposed date of adoption: 2 May 2016

Proposed date of entry into force: 2 May 2016

Final date for comments: 2 May 2016

Full text (Portuguese):

[https://tsapps.nist.gov/notifyus/docs/wto_country/BRA/full_text/pdf/BRA671\(portuguese\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/BRA/full_text/pdf/BRA671(portuguese).pdf)

Brazil Notification BRA/37/BRA (BRA/37)

Date issued: 12 May 2016

Corrigendum type: Addendum

Corrigendum: This document aims at informing that the National Institute of Metrology, Quality and Technology (Inmetro), issued Ordinance N° 213, 9 May 2016, which revokes Ordinance N° 20/2012 and establishes that all electromagnetic ballasts for tubular fluorescent lamps, imported and manufactured in the country despite have to comply with the requirements of the ABNT NBR 5114: 1998, are released from being certified and bear the conformity identification seal, provided by ordinance N°. 20 of 29 January 2002.

The full text of the new technical regulation can be downloaded at:

<http://www.inmetro.gov.br/legislacao/rtac/pdf/RTAC002406.pdf>

Brazil Notification BRA/609/BRA (BRA/609 , Add.1 , Add.2 , Add.3 ,)

Date issued: 19 May 2016

Corrigendum type: Addendum

Corrigendum: This addendum aims at informing that the National Institute of Metrology, Quality and Technology (Inmetro), issued Ordinance N° 221, 16 May 2016, amending the Conformity Assessment Program for LED Lamps with Integrated on Base Device, notified as G/TBT/N/BRA/609/Add.1, rewording articles 4°, 5° and 6° in order to extend the deadlines for marketing LED lamps by manufacturers, importers, wholesalers and retailers. The full text of this measure is available in Portuguese and can be downloaded at: <http://www.inmetro.gov.br/legislacao/rtac/pdf/RTAC002411.pdf>.

Chile Notification: CHL/360

Date issued: 10 May 2016

Agency Responsible: Electricity and Fuel Board (SEC)

National Inquiry Point: Ministry of Foreign Affairs, General Directorate of International Economic Affairs (DIRECON)

Products covered: Self-ballasted and retrofit LED lamps for general street lighting services

Title: Draft Protocol PE No. 5/23, Establishing the safety certification procedure requirements for self-ballasted and retrofit LED lamps

Description of content: The notified draft Protocol establishes the safety certification procedure requirements for new self-ballasted and retrofit LED lamps with different rated wattages.

Objective and rationale: Safety

Relevant documents: -IEC 62560:2011 "Self-ballasted LED-lamps for general lighting services by voltage > 50 V - Safety specifications" -Decreto Supremo N° 298, de 2005, del Ministerio de Economía, Fomento y Reconstrucción, "Aprueba el Reglamento para la Certificación de Productos Eléctricos y de Combustibles" (Supreme Decree No. 298 of 2005 of the Ministry of the Economy, Development and Reconstruction, "Approving the Regulations for the Certification of Electrical Products and Fuel")

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 9 July 2016

Full text (Spanish): [https://tsapps.nist.gov/notifyus/docs/wto_country/CHL/full_text/pdf/CHL360\(spanish\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CHL/full_text/pdf/CHL360(spanish).pdf)

India Notification IND/44/IND (IND/44 , Add.1 , Add.2 , Add.3 , Add.4 ,)

Date issued: 18 May 2016

Corrigendum type: Addendum

Corrigendum: India had notified the "Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012" to the WTO with Notification G/TBT/N/IND/44.

This is inform Members that with communication dated 10 February 2016 of the Department of Electronics and Information Technology (copy enclosed), an amendment has been carried out in the aforesaid Order concerning the matter of affixing of the "Standard Mark" on the imported goods.

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/IND/corrigenda/pdf/IND44_add_5\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/IND/corrigenda/pdf/IND44_add_5(english).pdf)

Mexico Notification: MEX/310

Date issued: 4 May 2016

Agency Responsible: Ministry of Energy (SENER)

National Inquiry Point: Direccion General de Normas (DGN)

Products covered: Three-phase squirrel-cage AC induction motors (tariff heading 8501.40)

Title: Draft Mexican Official Standard PROY-NOM-016-ENER-2016: Energy efficiency of three-phase squirrel-cage AC induction motors with a rated output of 0.746 kW to 373 kW. Limits, test method and marking

Description of content: The notified draft Standard is binding and seeks to establish the conditions and specifications to ensure the energy efficiency of three-phase squirrel-cage AC induction motors with a rated output of 0.746 kW to 373 kW. It applies to electric continuous duty, air-cooled, horizontally or vertically mounted, single rotational frequency (rotational speed of the motor shaft or axis), open- or closed-loop, three-phase squirrel-cage AC induction motors with a rated output of 0.746 kW to 373 kW and a rated voltage of up to 600 V, which are marketed in national territory.

Objective and rationale: The notified draft Mexican Official Standard establishes the rated efficiency values and the test method for assessing these values, the approval criteria and specifications for marking the minimum information on the plates of open- or closed-loop three-phase squirrel-cage AC induction motors with a rated output of 0.746 kW to 373 kW, which are marketed in the United Mexican States. It also contributes to the promotion of energy saving and the preservation of the nation's non-renewable natural resources.

Relevant documents: NOM-008-SCFI-2002, Sistema General de Unidades de Medida (Mexican Official Standard NOM-008-SCFI-2002: General system of units of measurement) . NOM-106-SCFI-2000: Características de diseño y condiciones de uso de la contraseña oficial (Mexican Official Standard NOM-106-SCFI-2000: Design characteristics and conditions for use of the official countermark)

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 3 July 2016

Full text (Spanish): [https://tsapps.nist.gov/notifyus/docs/wto_country/MEX/full_text/pdf/MEX310\(spanish\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/MEX/full_text/pdf/MEX310(spanish).pdf)

South Africa Notification: ZAF/205

Date issued: 11 May 2016

Agency Responsible: Department of Trade and Industry (DTI)

Products covered: Measuring instrument, product or service

Title: Legal Metrology Draft Regulations

Description of content: These regulations specify requirements for the registration of importers, manufacturers, persons who offer for sale any prescribed measuring instrument, product or service subject to

any relevant legal metrology technical regulation to establish the coverage of legal metrology in South Africa, requirements for the development, amendment and adoption of technical regulations as required by sections 15 and 16 of the Legal Metrology Act, 2014, requirements for the measurement standards used by market surveillance inspectors, verification officers and persons responsible for repairs, requirements for the measurement, labelling, and prescribed quantities in prepackages and general rules for the delivery and sale of goods, requirements for the compliance schemes and distinctive marks that are used by the National Regulator to regulate more effectively in terms of section 37 of the Act, deals with the process to be followed when measuring instruments, products or services that are used for a prescribed purpose in terms of the Legal Metrology Act does not comply with the legal metrology technical regulations, requirements for verification bodies, and repair bodies and the appointment and registration of verification officers and persons responsible for repairs, in terms of the applicable provisions of the Act, requirements for the measuring instruments, vessels and containers, which are exempt from type approval and verification under sections 22 and 24 of the Act, requirements for the verification periods for measuring instruments used for a prescribed purpose.

Objective and rationale: Prevention of deceptive practices and consumer protection

Relevant documents: Government Gazette No.39832 18 March 2016

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 10 July 2016

United States of America Notification: USA/1122

Date issued: 9 May 2016

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

Products covered: Compressors

Title: Energy Conservation Program: Test Procedures for Compressors

Description of content: In this document, the U.S. Department of Energy (DOE) proposes to prescribe new definitions, sampling provisions, and test procedures for compressors in a new subpart of DOE regulations. The proposed test procedure would provide instructions for determining the full-load package isentropic efficiency for certain fixed-speed compressors and the part-load package isentropic efficiency for certain variable-speed compressors based on test methods described in International Organization for Standardization (ISO) Standard 1217:2009, "Displacement compressors--Acceptance tests," (ISO 1217:2009). This document also proposes certain modifications and additions to ISO 1217:2009 to increase the specificity of certain testing methods and improve the repeatability of tested and measured values. In this notice, DOE also announces a public meeting to discuss and receive comments on issues presented in this notice of proposed rulemaking.

Objective and rationale: Protection of the environment

Relevant documents: 81 Federal Register (FR) 27219, 5 May 2016; Title 10 Code of Federal Regulations (CFR) Parts 429 and 431. Will appear in the Federal Register when adopted.

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 5 July 2016

Full text: <https://www.gpo.gov/fdsys/pkg/FR-2016-05-05/pdf/2016-10170.pdf>

United States of America Notification: USA/1127

Date issued: 12 May 2016

Agency Responsible: Ohio Department of Agriculture, Weights and Measures Division

Products covered: Commercial weighing and measuring instruments

Title: Model State Regulation for National-Type Evaluation

Description of content: Amends rule pertaining to the national type evaluation program. ORC § 1327.49 states that the specifications, tolerances, and regulations for commercial weighing and measuring devices adopted by the National Institute of Standards and Technology Handbook 44 shall be the regulations accepted by the State of Ohio unless otherwise modified or amended by the Director of ODA. Ohio Administrative Code (OAC) 901:6-2-01 sets forth the specific devices and equipment covered by type evaluations in the National Institute of Standards and Technology Handbook 44 (2016). The draft rule is being amended to add additional commercial weighing and measuring devices that are required to have a certificate of conformance. Obtaining a certificate of conformance enables a manufacturer to sell its device for

commercial use throughout the United States. Ohio has one of four laboratories authorized to perform National Type Evaluation Program evaluations.

Objective and rationale: Prevention of deceptive practices and consumer protection

[http://www.registerofohio.state.oh.us/pdfs/901/6/2/901\\$6-201_PH_OF_A_RU_20160426_1527.pdf](http://www.registerofohio.state.oh.us/pdfs/901/6/2/901$6-201_PH_OF_A_RU_20160426_1527.pdf) Register of Ohio Daily Filings 04/27/2016: [http://www.registerofohio.state.oh.us/pdfs/901/6/2/901\\$6-2-01_PH_OF_A_RU_20160426_1527.pdf](http://www.registerofohio.state.oh.us/pdfs/901/6/2/901$6-2-01_PH_OF_A_RU_20160426_1527.pdf) , Notice of public hearing:

[http://www.registerofohio.state.oh.us/pdfs/phn/901\\$6_NO_295841_20160426_1527.pdf](http://www.registerofohio.state.oh.us/pdfs/phn/901$6_NO_295841_20160426_1527.pdf)

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 31 May 2016

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/USA/full_text/pdf/USA1127\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/USA/full_text/pdf/USA1127(english).pdf)

United States of America Notification: USA/1126

Date issued: 12 May 2016

Agency Responsible: New York Board of Elections

Products covered: Voting systems

Title: Routine Testing of Voting Systems

Description of content: To provide for testing of voting machines not less than once per year.

Objective and rationale: Prevention of deceptive practices and consumer protection

Relevant documents: New York State Register April 27, 2016/Vol. XXXVIII, Issue 17 (pages 1-3):

<http://docs.dos.ny.gov/info/register/2016/april27/pdf/rulemaking.pdf>

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 11 June 2016

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/USA/full_text/pdf/USA1126\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/USA/full_text/pdf/USA1126(english).pdf)

United States of America Notification: USA/1129

Date issued: 17 May 2016

Agency Responsible: Arkansas Department of Agriculture

National Inquiry Point: USA WTO TBT Enquiry Point

Products covered: Weighing and measuring devices

Title: Arkansas Weights and Measures Regulations and Fuel and Lubricants Regulation

Description of content: Amends rule concerning specifications, tolerances, and other technical requirements for weighing and measuring devices.

Objective and rationale: Prevention of deceptive practices and consumer protection

Relevant documents: Notice of intent and public hearing: <http://170.94.37.152/REGS/209.02.16-002N-16688.pdf> (Please disregard additional information provided on Dicamba Sale and Use Emergency Rule)

NIST Handbook 44 (2016) - [http://plantboard.arkansas.gov/Documents/Leg-](http://plantboard.arkansas.gov/Documents/Leg-Coun.131MarkUpBureauOfStandardsHandbook44.pdf)

<http://plantboard.arkansas.gov/Documents/Leg-Coun.131MarkUpBureauOfStandardsHandbook44.pdf> , NIST Handbook 130 (2016) -

<http://plantboard.arkansas.gov/Documents/Leg-Coun.131MarkUpBureauOfStandardsHandbook130.pdf>

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 3 June 2016

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/USA/full_text/pdf/USA1129\[1\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/USA/full_text/pdf/USA1129[1](english).pdf), and [https://tsapps.nist.gov/notifyus/docs/wto_country/USA/full_text/pdf/USA1129\[2\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/USA/full_text/pdf/USA1129[2](english).pdf)

United States of America Notification USA/1067/USA (USA/1067 , Add.1 , Add.2 , Corr.1 ,)

Date issued: 17 May 2016

Corrigendum type: Addendum

Title: Energy Conservation Program: Certification and Enforcement-- Import Data Collection; Notice of Reopening of Comment Period

Agency: Office of the General Counsel, Department of Energy

Action: Notice of reopening of comment period

Summary: On 29 December 2015, the U.S. Department of Energy (DOE) published a notice of proposed rulemaking (NOPR) in the Federal Register proposing that a person importing into the United States any covered product or equipment subject to an applicable energy conservation standard provide, prior to

importation, a certification of admissibility to the DOE. DOE is reopening the comment period until 15 June 2016, to provide interested parties with additional time to submit comments.

Dates: The comment period for the notice of proposed rulemaking published on 29 December 2015 (80 FR 81199), has been extended. DOE will accept comments, data, and information in response to the NOPR received no later than 15 June 2016.

Full text: <https://www.gpo.gov/fdsys/pkg/FR-2016-05-16/pdf/2016-11468.pdf>

United States of America Notification USA/1051/USA (USA/1051)

Date issued: 17 May 2016

Corrigendum type: Addendum

Title: Energy Conservation Program: Exempt External Power Supplies Under the EPS Service Parts Act of 2014

Agency: Office of Energy Efficiency and Renewable Energy, Department of Energy

Action: Final rule

Summary: On 18 November 2015, the U.S. Department of Energy ("DOE") issued a notice of proposed rulemaking to exempt certain types of external power supplies consistent with the EPS Service Parts Act of 2014. That proposal, which serves as the basis for this final rule, explained that the Act exempted certain EPSs made available by a manufacturer as a service or spare part from the energy conservation standards promulgated in a February 2014 final rule. The proposal sought to codify this exemption and certain related reporting requirements. This rule adopts the November 2015 proposal along with related provisions to require manufacturers to annually report the total units of exempt EPSs shipped as service and spare parts that fail to meet the appropriate energy conservation standards.

Dates: The effective date of this rule is 15 June 2016.

Full text: <https://www.gpo.gov/fdsys/pkg/FR-2016-05-16/pdf/2016-11469.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 12 June 2016

BSR/ASA S12.6-201x, Methods for Measuring the Real-Ear Attenuation of Hearing Protectors (revision of ANSI/ASA S12.6-2008)

Specifies lab-based procedures for measuring, analyzing and reporting passive noise-reducing capabilities of hearing protectors. Procedures consist of psychophysical tests on humans to determine real-ear attenuation measured at hearing threshold. Provides two fitting procedures: trained subject fit to describe capabilities of devices fitted by carefully trained users, and inexperienced-subject fit to approximate protection that can be attained by users as reported in real-world occupational studies.

Send comments to or request information from Susan Blaeser at asastds@acousticalsociety.org.

Due 27 June 2016

BSR ASSE Z244.1-201X, Control of Hazardous Energy Lockout, Tagout and Alternative Methods (revision of ANSI ASSE Z244.1-2003 (R2014))

This standard establishes requirements for the control of hazardous energy associated with machines, equipment or processes that could cause injury to personnel.

Single copy price: \$77.00

Order from and send comments to Ovidiu Munteanu at OMunteanu@ASSE.org.

BSR/CTA 2051-201x, Personal Sound Amplification Performance Criteria (new standard)

This standard describes the minimum acceptable performance levels of products that serve as personal sound amplifiers.

Single copy price: \$72.00

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

BSR/EIA 364-91B-201x, Dust Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-91A-2005)

This standard establishes a test method to determine the susceptibility of an electrical connector or socket system to the potential degradation mechanism of a dust/fiber environment common to an office or manufacturing area.

Single copy price: \$75.00

Obtain an electronic copy from: <https://global.ihs.com/>

Send comments to emikoski@ecianow.org.

BSR E1.40-201x, Recommendations for the Planning of Theatrical Dust Effects (revision of ANSI E1.40-2011)

A wide variety of products are used to create dust effects in motion picture and television production, and also in live theatrical productions and theme parks. The use of dust aerosols raises concerns for potential hazards, including combustibility and health effects from inhalation or ingestion, which are well-known in some industrial sectors, but are poorly understood in others. This document would provide recommendations for how to plan the use and assess the safety of such effects.

Single copy price: Free

Obtain an electronic copy from: http://tsp.esta.org/tsp/documents/public_review_docs.php

Order from and send comments to Karl Ruling at standards@esta.org.

BSR E1.41-201x, Recommendations for the Measurement of Entertainment Luminaires Utilizing Solid State Light Sources (revision of ANSI E1.41-2012)

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

Single copy price: Free

Obtain an electronic copy from: http://tsp.esta.org/tsp/documents/public_review_docs.php

Order from and send comments to Karl Ruling at standards@esta.org.

BSR E1.55-201x, Standard for Theatrical Makeup Mirror Lighting (revision of ANSI E1.55-2015)

The standard offers recommendations and requirements for makeup mirror lighting in performer dressing rooms and similar locations. It defines a range of acceptable lamp CCTs and color-rendering ratings, and also specifies illumination levels and lighting angles for illuminating the performer's face.

Single copy price: Free

Obtain an electronic copy from: http://tsp.esta.org/tsp/documents/public_review_docs.php

Order from and send comments to Karl Ruling at standards@esta.org.

BSR/UL 746E-201x, Standard for Safety for Polymeric Materials – Industrial Laminates, Filament Wound Tubing, Vulcanized Fibre, and Materials Used In Printed-Wiring Boards (revision of ANSI/UL 746E-2013c)

UL proposes to include various new and revised construction and performance requirements in Standard UL 746E.

Obtain an electronic copy from: <http://www.comm-2000.com>

Send comments (with copy to psa@ansi.org) to: Derrick Martin at Derrick.L.Martin@ul.com.

Due 4 July 2016

BSR/IES RP-28-201x, Lighting and the Visual Environment for Seniors and the Low Vision Population (revision and redesignation of ANSI/IESNA RP-28 -2007)

An update of ANSI/IES RP-28-07 includes major additions centered on the aging population and those with low vision. Seniors represent the fastest growing segment of the population with over 40 million Americans over 65.

Single copy price: \$25.00

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

BSR/NENA STA-026.5-201X, NENA PSAP Master Clock Standard (new standard)

Many systems in a PSAP create data records that include a timestamp – the date/time the record was created, or an event of interest occurred. Many of these are legal records, and it is important that the timestamps are accurate across all systems involved. Using a common time source, or “Master Clock” to which all systems are synced, accomplishes this goal. NENA’s existing PSAP Master Clock standard 04-002 v4 was last updated in 2007, and some of its provisions are outdated. This work will not define specifications for time synchronization in NG9-1-1 PSAPs; it will do so only for E9-1-1 PSAPs. The proposed standard will retain specifications for any legacy time sync interfaces that will still be needed in the foreseeable future, and correct any external references that have become stale or invalid.

Single copy price: Free

Order from: <http://estalink.us/s6jvy>

Send comments to: Roger Hixson at rhixson@nena.org.

BSR/SCTE 35-201x, Digital Program Insertion Cueing Message for Cable (revision of ANSI/SCTE 35-2014)

This standard supports delivery of events, frame accurate or non-frame accurate, and associated descriptive data in MPEG-2 transport streams, MPEG-DASH and HLS. This standard supports the splicing of content (MPEG-2 transport streams, MPEG-DASH, etc.) for the purpose of Digital Program Insertion, which includes advertisement insertion and insertion of other content types. An in-stream messaging mechanism is defined to signal splicing and insertion opportunities and it is not intended to ensure seamless insertion (splicing, playlist, etc.).

Single copy price: \$50.00

Order from and send comments to standards@scte.org.

BSR/UL 746E-201x, Standard for Safety for Polymeric Materials – Industrial Laminates, Filament Wound Tubing, Vulcanized Fibre, and Materials Used in Printed-Wiring Boards (revision of ANSI/UL 746E-2013c)

Resolve comments received by UL to proposals for UL 746E, which were originally published on September 25, 2015.

Obtain an electronic copy from: <http://www.comm-2000.com>

Send comments to Derrick Martin at Derrick.L.Martin@ul.com.

BSI Public Review Announcements

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

Due 5 July 2016

EN 16992 Competency for Customs Representatives

This European Standard aims at providing, in accordance with the EU legislation, competency requirements for customs representatives.

CSA Public Review Announcements

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

Due 25 June 2016

C22.2 No. 159 Plugs, connectors, receptacles, and similar wiring devices for use in hazardous locations (New Edition)

This Standard covers the following devices intended for connection to copper conductors only and for installation and use in the following hazardous locations:

- a) Class I, Division 1, Groups A, B, C, and D;
- b) Class I, Division 2, Groups A, B, C, and D;
- c) Class II, Groups F and G; and

d) Class III

For use in accordance with the Rules of Canadian Electrical Code, Part I and CSA CAN3-M421:

- a) receptacles with attachment plugs;
- b) receptacles with attachment plugs interlocked with circuit breakers;
- c) receptacles with attachment plugs interlocked with switches;
- d) cable and cord connectors, couplers, and flanged equipment power inlets and flanged equipment power outlets with ratings as specified in Clause 1.2.

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, or (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 D10.7M/D10.7-201x, Guide for the Gas Shielded Arc Welding of Aluminum and Aluminum Alloy Pipe (revision of ANSI/AWS D10.7M/D10.7-2008)

This document presents information concerning those properties of aluminum which affect its weldability and which cause specific problems in the fabrication of aluminum pipe. Recommendations are made for solving these problems and suggested procedures are presented for welding aluminum pipe joints with the Gas Tungsten Arc and Gas Metal Arc Welding Processes. For more information, contact Andre Naumann at anaumann@aws.org.

BSR ICEA S-84-608-201x, Standard for Telecommunications Cable Filled, Polyolefin Insulated, Copper Conductor Technical Requirements (revision of ANSI ICEA S-84-608-2010)

This Standard covers mechanical and electrical requirements for filled, polyolefin-insulated, copper-conductor telecommunications cable. It provides alternative choices for the type of insulation, type of filling compound, core lay-ups, color code, sheath design (shielding materials, single or double jackets, and jacket thicknesses), and screened or non-screened core. For more information, contact Kevin Connelly at Kevin.Connelly@Nema.org.

BSR/TAPPI T 1212 sp-201x, Light sources for evaluating papers including those containing fluorescent whitening agents (revision of ANSI/TAPPI T 1212 sp-2012)

This standard practice covers the significance and application of both instrumental and visual light sources for evaluating papers and related materials including those containing fluorescent whitening agents. The information presented is based on accepted or current proposals of the Inter Society Color Council (ISCC), Commission Internationale d'Eclairage (CIE), International Standards Organization (ISO), American National Standards Institute (ANSI), TAPPI, and TAPPI Optical Properties Committees' experience. Also presented is a method for the visual evaluation of a color match under standard conditions of illumination. For more information, contact Laurence Womack at standards@tappi.org.

BSR/TAPPI T 1214 sp-201x, Interrelation of reflectance, R₀; reflectivity, R_∞; TAPPI opacity, C_{0.89}; scattering, s; and absorption, k (revision of ANSI/TAPPI T 1214 sp-2012)

The following interrelationships will be found particularly useful in predicting the effect upon opacity when a change occurs in either the basis weight or the reflectivity of a sheet of paper. These interrelationships can also be used to evaluate relative contributions of different pulps, fillers and pigments to optical properties. Extensions of these procedures that are cited in the references can be used to evaluate multilayer structures such as coated paper or coated board. For more information, contact Laurence Womack at standards@tappi.org.

BSR/CTA 426-B-1998 (S201x), Loudspeakers, Optimum Amplifier Power (stabilized maintenance of ANSI/CTA 426-B-1998 (R2011))

This standard defines test methods and criteria of acceptability for testing the performance of a loudspeaker or loudspeaker system designed for consumer use within defined limits in the areas of power compression, harmonic distortion, and accelerated life testing, when operated at or below the optimum amplifier power. For more information, contact Leslie King at king@CE.org.

BSR/UL 120017-201X, Standard for Safety for Explosive Atmospheres - Part 17: Divisions - Electrical Installations Inspection and Maintenance of Electrical Equipment Installed in Hazardous Locations Classified Using the Division Method of the NEC (NFPA 70) (new standard)

This proposed new standard will provide minimum requirements for inspections and maintenance of electrical equipment installed or operated in Class I, Division 1 or Division 2 Hazardous (Classified) Locations. It will cover all the protection techniques identified in Article 501 of NFPA 70 (NEC). For more information, contact Vickie Hinton at Vickie.T.Hinton@ul.com.

BSR/TAPPI T 1217 sp-201x, Photometric linearity of optical properties instruments (revision of ANSI/TAPPI T 1217 sp-2012)

This standard practice describes a test for linearity required by the following TAPPI optical methods: T 425 Opacity; T 452, 525, 534, 646 Brightness; T 480, 653 Gloss; T 524, 527 Color; and T 560, 562 Whiteness. This standard practice is normally used by instrument manufacturers as the procedure for correction of photometric linearity errors. For more information, contact Laurence Womack at standards@tappi.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.

ANSI/ASA S12.1-1983 (R2016), Guidelines for the Preparation of Standard Procedures to Determine the Noise Emission from Sources (reaffirmation of ANSI/ASA S12.1-1983 (R2011)): 6 May 2016

ANSI/ASA S12.3-1985 (R2016), Statistical Methods for Determining and Verifying Stated Noise Emission Values of Machinery and Equipment (reaffirmation of ANSI/ASA S12.3-1985 (R2011)): 6 May 2016

ANSI/ASA S12.17-1996 (R2016), Impulse Sound Propagation for Environmental Noise Assessment (reaffirmation of ANSI/ASA S12.17-1996 (R2011)): 6 May 2016

ANSI/ASA S12.19-1996 (R2016), Measurement of Occupational Noise Exposure (reaffirmation of ANSI/ASA S12.19-1996 (R2011)): 6 May 2016

ANSI/ASA S12.23-1989 (R2016), Method for the Designation of Sound Power Emitted by Machinery and Equipment (reaffirmation of ANSI/ASA S12.23-1989 (R2011)): 6 May 2016

ANSI/ASA S12.56-2011 / ISO 3746:2010 (R2016), Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Survey method using an enveloping measurement surface over a reflecting plane (reaffirmation of ANSI/ASA S12.56-2011/ISO 3746-2010): 6 May 2016

ANSI/ASHRAE 135am-2016, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2012): 2 May 2016

ANSI/ASHRAE 135ba-2016, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2012): 2 May 2016

ANSI/ASHRAE 135bc-2016, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2012): 2 May 2016

ANSI/ASHRAE/NEMA Standard 201-2016, Facility Smart Grid Information Model (new standard): 2 May 2016

ANSI/ASME V&V 20-2009 (R2016), Standard for Verification and Validation in Computational Fluid Dynamics and Heat Transfer (reaffirmation of ANSI/ASME V&V 20-2009): 4 May 2016

ANSI/ASTM F2030-2011 (R2016), Specification for Paintball Cylinder Burst Disk Assemblies (reaffirmation of ANSI/ASTM F2030-2011): 19 April 2016

ANSI/ASTM F2439-2011 (R2016), Specification for Headgear Used in Soccer (reaffirmation of ANSI/ASTM F2439-2005 (R2011)): 19 April 2016

ANSI/ASTM F2844-2015 (R2016), Test Method for Displacement Compression of Softball and Baseball Bat Barrels (reaffirmation of ANSI/ASTM F2844-2011 (R2015)): 19 April 2016

ANSI/ASTM F2856-2012 (R2016), Practice for Transfilling and Safe Handling of Small CO2 Cylinders for Use in Paintball (reaffirmation of ANSI/ASTM F2856-2012): 19 April 2016

ANSI/ASTM E1354-2016a, Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter (revision of ANSI/ASTM E1354-2016): 1 May 2016

ANSI/AWS A5.36/A5.36M-2016, Specification for Carbon and Low-Alloy Steel Flux Cored Electrodes for Flux Cored Arc Welding and Metal Cored Electrodes for Gas Metal Arc Welding (revision of ANSI/AWS A5.36/A5.36M-2011): 6 May 2016

ANSI E1.57-2016, Recommendations to prevent falls on or off movable parade floats, movable stages, and similar moving platforms (new standard): 6 May 2016

INCITS/ISO/IEC 14882:2014 [2016], Information technology - Programming languages - C++ (identical national adoption of ISO/IEC 14882:2014 and revision of INCITS/ISO/IEC 14882:2014 [2015]): 3 May 2016

ANSI/NECA 169-2016, Standard for Installing and Maintaining Arc- Fault Circuit Interrupters (AFCIs) and Ground-Fault Circuit Interrupters (GFCIs) (revision of ANSI/NECA 169-2010): 3 May 2016

ANSI/ICEA S-119-741-2016, Standard for Fiber to the Antenna (FTTA) Optical Fiber Cable (new standard): 4 May 2016

ANSI/TIA 470.130-C-2008 (R2016), Telecommunications – Telephone Terminal Equipment - Headset Acoustic Performance Requirements for Analog Telephones with Headsets (reaffirmation of ANSI/TIA 470.130-C-2008): 3 May 2016

ANSI/TIA 470.310-D-2010 (R2016), Telecommunications – Telephone Terminal Equipment - Cordless Telephone - Range Measurement Procedures (reaffirmation of ANSI/TIA 470.310-D-2010): 3 May 2016

ANSI/ATIS 0100801.01-1995 (S2016), Digital Transport of Video Teleconferencing/Video Telephony Signals - Video Test Scenes for Subjective and Objective Performance Assessment (stabilized maintenance of ANSI/ATIS 0100801.01-1995 (R2011)): 13 May 2016

ANSI/ATIS 0100801.02-1996 (S2016), Digital Transport of Video Teleconferencing/Video Telephony Signals - Performance Terms, Definitions and Examples (stabilized maintenance of ANSI/ATIS 0100801.02-1996 (R2011)): 13 May 2016

ANSI/ATIS 1000009-2006 (S2016), IP Network-to-Network Interface (NNI) Standard for VoIP (stabilized maintenance of ANSI/ATIS 1000009-2006 (R2011)): 13 May 2016

ANSI/UL 183-2016, Standard for Safety for Manufactured Wiring Systems (revision of ANSI/UL 183-2015): 6 May 2016

ANSI/UL 498-2016, Standard for Safety for Attachment Plugs and Receptacles (Proposal dated 04/08/16) (revision of ANSI/UL 498 -2016): 13 May 2016

ANSI/UL 183-2016, Standard for Safety for Manufactured Wiring Systems (revision of ANSI/UL 183-2015): 6 May 2016

ANSI/UL 498-2016, Standard for Safety for Attachment Plugs and Receptacles (Proposal dated 04/08/16) (revision of ANSI/UL 498 -2016): 13 May 2016

Withdrawn from Consideration

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 project has been withdrawn accordingly:

BSR/ASA S3/SC1.1-200x, Animal Bioacoustics Terminology (new standard)

Draft IEC & ISO Standards

This section lists proposed standards that the International Electromechanical Commission (IEC) and International Organization for Standardization (ISO) are considering for approval. Standards Watch readers interested in reviewing and commenting on the 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 regarding ISO documents should be sent to Karen Hughes at isot@ansi.org. The prices, when shown, are for purchases through ANSI; prices elsewhere may differ.

ISO/DIS 2725-1, Assembly tools for screws and nuts - Square drive sockets - Part 1: Hand-operated sockets – 26 May 2016, \$53.00

ISO/DIS 2725-2, Assembly tools for screws and nuts - Square drive sockets - Part 2: Machine-operated sockets (impact) – 26 May 2016, FREE

ISO/DIS 2725-3, Assembly tools for screws and nuts - Square drive sockets - Part 3: Machine-operated sockets (non-impact) - 26 May 2016, \$40.00

ISO/DIS 20311, Traditional Chinese medicine - Salvia miltiorrhiza seeds and seedlings – 10 July 2016, \$58.00

ISO/DIS 18662-1, Traditional Chinese medicine - Vocabulary - Part 1: Chinese Materia Medica – 4 June 2016, \$175.00

ISO/DIS 20498-2, Traditional Chinese medicine – Computerised tongue image analysis system - Part 2: Light environment - 27 July 2016, \$40.00

ISO/IEC 19794-6/DAmD2, Information technology - Biometric data interchange formats - Part 6: Iris image data - Amendment 2: XML Encoding and clarification of defects – 4 June 2016, \$77.00

ISO/IEC DIS 26558, Software and systems engineering - Methods and tools for variability modeling in software and systems product line - 16 July 2016, \$107.00

ISO/IEC DIS 26559, Software and systems engineering - Methods and tools for variability traceability in software and systems product line - 16 July 2016, \$102.00

22H/204/NP, Future IEC 62040-5-1 Uninterruptible power systems (DC UPS) - Part 1: Safety requirements, 3 June 2016

79/548/CDV, IEC 62820-1-2 Ed.1: Building intercom systems - Part 1 -2: Requirements for IP building intercom systems, 29 July 2016

81/512/CDV, IEC 62561-3 Ed.2: Lightning protection system components (LPSC) - Part 3: Requirements for isolating spark gaps, 29 July 2016

91/1366/FDIS, IEC 61189-2-719 Ed.1: Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 2-719: Test methods for materials for interconnection structures - Relative permittivity and loss tangent (500 MHz to 10 GHz), 17 June 2016

116/289/NP, IEC 62841-3-XX/Ed1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-XX: Particular requirements for transportable drain cleaners, 29 July 2016'

ISO/DIS 8887-1, Technical product documentation - Design for manufacturing, assembling, disassembling and end-of-life processing - Part 1: General concepts and requirements – 4 August 2016, FREE

ISO/DIS 19611, Traditional Chinese medicine - Air exhaust cupping apparatus for medical use – 11 June 2016, \$53.00

ISO/IEC DIS 11801-1, Information technology - Generic cabling for customer premises - Part 1: General requirements – 6 August 2016, \$185.00

ISO/IEC DIS 11801-2, Information technology - Generic cabling for customer premises - Part 2: Office premises – 6 August 2016, \$88.00

ISO/IEC DIS 11801-3, Information technology - Generic cabling for customer premises - Part 3: Industrial premises - 6 August 2016, \$102.00

ISO/IEC DIS 11801-4, Information technology - Generic cabling for customer premises - Part 4: Homes - 6 August 2016, \$98.00

ISO/IEC DIS 11801-5, Information technology - Generic cabling for customer premises - Part 5: Data centres - 6 August 2016, \$112.00

ISO/IEC DIS 11801-6, Information technology - Generic cabling for customer premises - Part 6: Distributed Building Services - 6 August 2016, \$107.00

20/1643/CD, IEC 60332-3-10 Ed1 AMD 2: Tests on electric cables under fire conditions - Part 3-10: Test for vertical flame spread of vertically-mounted bunched wires or cables - Apparatus, 5 August 2016

20/1644/CD, IEC 60332-3-21 Ed1 AMD 1: Tests on electric cables under fire conditions - Part 3-21: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category A F/R, 5 August 2016

20/1645/CD, IEC 60332-3-22 Ed1 AMD 2: Tests on electric and optical fibre cables under fire conditions - Part 3-22: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category A, 5 August 2016

20/1646/CD, IEC 60332-3-23 Ed1 AMD 2: Tests on electric and optical fibre cables under fire conditions - Part 3-23: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category B, 5 August 2016

20/1647/CD, IEC 60332-3-24 Ed1 AMD 2: Tests on electric and optical fibre cables under fire conditions - Part 3-24: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category C, 5 August 2016

20/1648/CD, IEC 60332-3-25 Ed1 AMD 2: Tests on electric and optical fibre cables under fire conditions - Part 3-25: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category D, 5 August 2016

22/270A/FDIS, Amendment 1 to IEC 62477-1 Ed.1: Safety requirements for power electronic converter systems and equipment - Part 1: General, 17 June 2016

26/597/FDIS, IEC 60974-4 Ed.3: Arc welding equipment - Part 4: Periodic inspection and testing, 24 June 2016

34C/1206/FDIS, Amendment 1 to IEC 61347-2-3 Ed.2: Lamp control gear - Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps, 24 June 2016

64/2120/CD, Amendment 3 fragment 5 to IEC 60364 Ed.3: Low voltage electrical installation - Part 5-53 - Selection and rection of electrical equipment - Isolation, switching and control - Clause 531 - Equipment for protection against electric shock, 5 August 2016

86B/3979/CDV, IEC 61300-2-9/Ed3: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-9: Tests - Shock, 5 August 2016

86B/3992/FDIS, IEC 61300-1/Ed4: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 1: General and guidance, 24 June 2016

86B/3993/DTS, IEC 62627-09/TS/Ed1: Fibre optic interconnecting devices and passive components - Terminology of passive optical devices, 5 August 2016

86B/3996/CD, IEC 61753-1/Ed2: Fibre optic interconnecting devices and passive components - Performance standards - Part 1: General and guidance, 5 August 2016

110/748/CDV, IEC 62908-13-10 Ed.1: Touch and interactive displays - Part 13-10: Reliability test methods of touch displays - Environmental durability test methods, 5 August 2016

110/750/CDV, IEC 62715-5-1 Ed.1: Flexible display devices - Part 5-1: Measuring methods of optical performance, 5 August 2016

Recently Published IEC & ISO Standards

Listed here are documents recently approved by the IEC and ISO. A list of standards resellers is available at <http://webstore.ansi.org/faq.aspx#resellers>.

ISO 12641-1:2016, Graphic technology - Prepress digital data exchange - Colour targets for input scanner calibration - Part 1: Colour targets for input scanner calibration, \$149.00

ISO 17972-2:2016, Graphic technology - Colour data exchange format (CxF/X) - Part 2: Scanner target data (CxF/X-2), \$88.00

ISO 20087:2016, Photography - Digital still cameras - Battery life measurement, \$88.00

IEC/TS 62056-1-1 Ed. 1.0 en:2016, Electricity metering data exchange - The DLMS/COSEM suite - Part 1-1: Template for DLMS/COSEM communication profile standards, \$85.00

IEC/TS 62056-6-9 Ed. 1.0 en:2016, Electricity metering data exchange - The DLMS/COSEM suite - Part 6-9: Mapping between the Common Information Model message profiles (IEC 61968-9) and DLMS/COSEM (IEC 62056) data models and protocols, \$278.00

IEC/TS 62056-9-1 Ed. 1.0 en:2016, Electricity metering data exchange - The DLMS/COSEM suite - Part 9-1: Communication profile using web-services to access a DLMS/COSEM server via a COSEM Access Service (CAS), \$303.00

ISO 10656:2016, Resistance welding equipment - Transformers - Integrated transformers for welding guns, \$88.00

ISO 17777:2016, Welding consumables - Covered electrodes for manual metal arc welding of copper and copper alloys - Classification, \$88.00

ISO 19288:2016, Welding consumables - Solid wire electrodes, solid wires and rods for fusion welding of magnesium and magnesium alloys - Classification, \$51.00

IEC 61937-7 Ed. 2.1 b:2016, Digital audio - Interface for non-linear PCM encoded audio bitstreams applying to IEC 60958 - Part 7: Non-linear PCM bitstreams according to the ATRAC, ATRAC2/3 and ATRAC-X formats, \$91.00

IEC 61937-7 Amd.1 Ed. 2.0 b:2016, Amendment 1 - Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 7: Non-linear PCM bitstreams according to the ATRAC, ATRAC2/3 and ATRAC-X formats, \$22.00

IEC 62702-1-1 Ed. 1.0 b:2016, Audio archive system - Part 1-1: DVD disk and data migration for long term audio data storage, \$182.00

IEC 60393-1 Ed. 3.0 b:2008, Potentiometers for use in electronic equipment - Part 1: Generic specification, \$363.00

IEC/PAS 61076-2-114 Ed. 1.0 en:2016, Connectors for electronic equipment - Product requirements - Part 2-114: Circular connectors - Detail specification for data and power connectors with M8 screwlocking, \$278.00

IEC 62056-7-5 Ed. 1.0 b:2016, Electricity metering data exchange - The DLMS/COSEM suite - Part 7-5: Local data transmission profiles for Local Networks (LN), \$278.00

IEC 61757-2-2 Ed. 1.0 en:2016, Fibre optic sensors - Part 2-2: Temperature measurement - Distributed sensing, \$230.00

IEC 62343-3-2 Ed. 1.0 en:2016, Dynamic modules - Part 3-2: Performance specification templates - Optical channel monitor, \$61.00

IEC 62689-1 Ed. 1.0 b:2016, Current and voltage sensors or detectors, to be used for fault passage indication purposes - Part 1: General principles and requirements, \$351.00

IEC 62689-2 Ed. 1.0 b:2016, Current and voltage sensors or detectors, to be used for fault passage indication purposes - Part 2: System aspects, \$278.00

IEC 60838-2-3 Ed. 1.0 b:2016, Miscellaneous lampholders - Part 2-3: Particular requirements - Lampholders for double-capped linear LED lamps, \$97.00

IEC 62793 Ed. 1.0 en:2016, Protection against lightning - Thunderstorm warning systems, \$278.00

IEC 60068-3-13 Ed. 1.0 b:2016, Environmental testing - Part 3-13: Supporting documentation and guidance on Test T – Soldering, \$206.00

IEC/TR 63020 Ed. 1.0 en:2016, Digital sheet music - Market, use cases, and related technologies, \$61.00

IEC/TS 62702-2 Ed. 1.0 en:2016, Audio archive system - Part 2: Audio data preservation, \$97.00

TSP Meeting Schedule

The chronological TSP meeting schedule is posted at <http://www.esta.org/ESTA/meetings.php>. The July meetings at the Roosevelt Hotel in New York City are in conjunction with the [NATEAC](#) conference. Our schedule runs immediately prior to the conference. The hotel reservation deadline is 27 June and will not be extended. All meetings are at the Roosevelt Hotel unless otherwise noted.

| At the Roosevelt Hotel in New York City (unless otherwise noted): | | |
|---|---------------|------------------------|
| Control Protocols Working Group (CPWG) | 09:00 – 13:00 | Thursday 14 July 2016 |
| CPWG Automation Study Group | 14:00 – 18:00 | Friday 15 July 2016 |
| CPWG BSR E1.20, RDM TG | 09:00 – 13:00 | Friday 15 July 2016 |
| CPWG BSR E1.33, RDMnet TG | 14:00 – 18:00 | Thursday 14 July 2016 |
| CPWG BSR E1.37-4, Firmware TG | 13:00 – 16:00 | Saturday 16 July 2016 |
| CPWG BSR E1.37-5, General PIDs TG | 09:00 – noon | Saturday 16 July 2016 |
| Fog & Smoke Working Group | 14:00 – 16:00 | Friday 15 July 2016 |
| Photometrics Working Group | 16:00 – 18:00 | Friday 15 July 2016 |
| Rigging Working Group (RWG) | 09:00 – 13:00 | Friday 15 July 2016 |
| RWG BSR E1.4-1, Manual Counterweight TG | 14:00 – 16:00 | Saturday 16 July 2016 |
| RWG BSR E1.6-1, Powered Hoist TG (This meeting is at the ESTA office: 630 Ninth Ave., Suite 609) | 14:00 – 17:00 | Friday 15 July 2016 |
| RWG BSR E1.50, Video Systems TG | 14:00 – 18:00 | Thursday 14 July 2016 |
| RWG BSR E1.56, Rigging Points TG | 09:00 – 13:00 | Thursday 14 July 2016 |
| Stage Lifts Working Group | 09:00 – 13:00 | Saturday 16 July 2016 |
| Technical Standards Council | 14:00 – 18:00 | Thursday, 14 July 2016 |

Note that there will be no coffee or other beverages offered in the July meetings. The Roosevelt Hotel charges dinner-prices for beverages at meetings, thus putting providing refreshments out of budget. There are many coffee and snack places within the hotel, next door, or across the street. Take your pick and bring your own.

ESTA Standards Watch

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As of 15 April 2013, all of the standards published by ESTA's Technical Standards Program are available to download, free of charge, at <http://www.tsp.esta.org/freestandards>, courtesy of a partnership between ESTA and [ProSight Specialty Insurance](#).

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