Technical Standards Program

ESTA Standards Watch

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Save Stage Lighting, Comment by May 7

There is a proposal to adopt an EU Energy Directorate Eco-design Working Plan 2016-2019 that would effectively end stage lighting as we know it. Opposition to the plan has often been cast in the past as “Save Tungsten,” but the plan would effective eliminate almost all stage lighting technologies after 2020. Comments on the plan are due by May 7.

The plan imposes minimum efficacy requirements on sources and maximum stand-by power consumption limits in sources and luminaires. The minimum efficacy requirements certainly would have an impact on the use of incandescent lamps, which produce light with efficacies far below the proposed minimum; the plan would end their manufacturer or importation into the EU after 2020. However, additive color-mixing LED sources also cannot meet the proposed efficacy requirements. These sources produce light at the extreme red and blue ends of the spectrum, where, due to the relative insensitivity of the eyes to those colors, the lumens-per-watt produced is low. This low efficacy cannot be ameliorated by better light source technology; it is a function of the response of the human eye. Finally, the proposal mandates a maximum standby power consumption limit for sources and luminaires, and this is low enough that it cannot be met by virtually anything that has any electronic control circuitry or motors. If a product has a muffin fan and a DMX512 line terminating resistor, those two items alone will consume all the power that the proposal would allow.

There is an exemption in the plan for luminaires and sources that are used in image capture work (i.e., video), but none for live entertainment, although the same luminaires might be used in studios and on stage. One idea for fixing the plan and keeping theatres from starting to go dark after September 2020 would be to extend the exemption to those products and their light sources that are within the scope of EN IEC 60598-2-17, *Luminaires. Particular requirements. Luminaires for stage lighting, television and film studios (outdoor and indoor)*. That would help keep people from attempting to skirt the energy-saving requirements by relabeling general-service lamps as "Professional Entertainment Lighting Equipment."

Things you can do:

- Sign and share the petition at https://www.change.org/p/the-eu-energy-directorate-keep-stage-lighting-exempt-from-proposed-legislation-changes?recruiter=860058798&utm_source=share_petition&utm_medium=copylink&utm_campaign=share_petition
- Fill out the EU public consultation form before end-of-day May 7 at https://ec.europa.eu/info/consultations/evaluation-and-review-ecodesign-and-energy-labelling-regulations-energy-labels_en

More information about the legislation can be found on the ALD's website at https://www.ald.org.uk/resources/savestagelighting.

ESTA Documents Open for Comment

Two documents are available for public review and comment on the ESTA website at http://tsp.esta.org/tsp/documents/public_review_docs.php with comment due dates in late April and early May.

BSR E1.8 - 201x, Entertainment Technology—Loudspeaker Enclosures Intended for Overhead Suspension—Classification, Manufacture and Structural Testing, addresses the requirements for speaker enclosures intended for overhead suspension. It addresses only the structural characteristics relating to the suspension of the enclosure. These include enclosure construction, component part security, enclosure suspension hardware, manufacturing control systems, and structural testing. The standard is being opened for revision to clarify the requirements of the standard and to revisit them in light of current manufacturing technology. Submit comments before April 23.

BSR E1.1 - 20xx, Entertainment Technology—Construction and Use of Wire Rope Ladders
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. It is being revised to update and incorporate referenced standards. Submit comments before 1 May.

ESTA Plugfest 20-23 July 2018

The ESTA Control Protocols Plugfest, the event where manufacturers and developers test their lighting products for network interoperability is scheduled to take place from July 20 to July 23 at the Marriott Solana in Westlake, Texas. ESTA and non-ESTA members are welcome to attend the 16th version of this event. The scheduled hours are 09:00 to 23:00, Friday the 20th through Monday the 23rd. Members of the E1.11 (DMX512), E1.20 (RDM), E1.31 (sACN), and E1.33 (RDMnet) task groups who authored the standards will available to answer questions and help explain our protocols.

More event information is available at http://tsp.esta.org/tsp/news/plugfest.html. A link for hotel reservations can be found on the TSP meeting page at http://tsp.esta.org/tsp/meetings/index.php. Further information is available from the event organizers at Plugfest@esta.org.

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 the TBTs, 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.

France Notification FRA/184

Date issued: 3 April 2018
Agency responsible: Ministry of Health and Solidarities, Directorate-General of Health, Sub-Directorate of Health and Society Office dealing with addictions
National inquiry point: Association Française de Normalisation, Centre d'Information sur les Normes et Règlements Techniques (CINORTECH) (AFNOR)
Products covered: Radio equipment for which manufacturers are required to measure the specific absorption rate (SAR)
Title: Projet de décret modifiant le Décret n° 2010-1207 du 12 octobre 2010 relatif à l'affichage du débit d'absorption spécifique des équipements terminaux radioélectriques (Draft decree amending Decree No. 2010-1207 of 12 October 2010 on the displaying of the specific absorption rate of radio terminal equipment) (2 pages, in French)
Description of content: The purpose of this draft decree is to improve public information on exposure to radio frequencies emitted by radio equipment. Its aim is to make it obligatory to display the SAR value of radio equipment that is subject to a measuring requirement. This value will be provided free of charge to end consumers in the immediate vicinity of the equipment to which it relates at points of sale or distribution and in all advertisements.
Objective and rationale: As stated in Article 10(8) of Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonization of the laws of the Member States relating to the making available on the market of radio equipment, "manufacturers shall ensure that the radio equipment is accompanied by instructions and safety information in a language which can be easily understood by consumers and other end-users, as determined by the Member State concerned."
In addition, the French Agency for Food, Environmental and Occupational Health and Safety (ANSES) published, in October 2013, an update of its expert appraisal on radio frequencies and health. This takes into account the health assessments carried out by expert working groups convened by the International Agency for Research on Cancer (IARC), which were published in October 2013 in volume 102 "Monographs on the evaluation of carcinogenic risks to humans: radiofrequency electromagnetic fields", and recommends in particular that exposure be reduced by encouraging the moderate use of mobile phones and the use of hands-free kits and the weakest SAR mobile terminals.
The measure is justified from a public health perspective, as the SAR is currently the only information on electromagnetic field exposure that can be provided to consumers.
Relevant documents: Loi n° 2015-136 du 9 février 2015 relative à la sobriété, à la transparence, à l'information et à la concertation en matière d'exposition aux ondes électromagnétiques (Law No. 2015-136 of 9 February 2015 on restraint, transparency, information and dialogue regarding exposure to electromagnetic waves)
Proposed date of adoption: 1 July 2018
Proposed date of entry into force: 1 July 2018
Final date for comments: 2 June 2018
Full text: https://tsapps.nist.gov/notifyus/docs/wto_country/FRA/full_text/pdf/FRA184(english).pdf

France Notification FRA/185

Date issued: 3 April 2018
Agency responsible: Ministry of Health and Solidarities, Directorate-General of Health, Sub-Directorate of Health and Society Office dealing with addictions
National inquiry point: Association Française de Normalisation, Centre d'Information sur les Normes et Règlements Techniques (CINORTECH) (AFNOR)
Products covered: Radio equipment for which manufacturers are required to measure the specific absorption rate (SAR)

Title: Projet d'arrêté modifiant l'Arrêté du 8 octobre 2003 relatif à l'information des consommateurs sur les équipements terminaux radioélectriques pris en application de l'article R. 20-10 du code des postes et des télécommunications, l'Arrêté du 8 octobre 2003 fixant des spécifications techniques applicables aux équipements terminaux radioélectriques et l'Arrêté du 12 octobre 2010 relatif à l'affichage du débit d'absorption spécifique des équipements terminaux radioélectriques (Draft order amending the Order of 8 October 2003 on consumer information regarding radio terminal equipment issued pursuant to Article R. 20-10 of the Postal and Telecommunications Code, the Order of 8 October 2003 setting out the technical specifications applicable to radio terminal equipment and the Order of 12 October 2010 on the displaying of the specific absorption rate of radio terminal equipment) (3 pages, in French)
Description of content: The purpose of the draft order is to specify the practical methods of communicating to consumers the SAR value of radio equipment subject to a measuring obligation, i.e. indicating the SAR value in the instructions for use, updating the usage recommendations for the radio equipment in the instructions for use, and methods of displaying information at points of sale and in all advertisements. Radio equipment with an output of more than 20 mW that is likely to be used in a reasonably foreseeable manner near the head or at a distance of 20 cm or less from the human body may only be put into service if it meets these technical specifications.
Objective and rationale: As stated in Article 10(8) of Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonization of the laws of the Member States relating to the making available on the market of radio equipment, "manufacturers shall ensure that the radio equipment is accompanied by instructions and safety information in a language which can be easily understood by consumers and other end-users, as determined by the Member State concerned."
In addition, the French Agency for Food, Environmental and Occupational Health and Safety (ANSES) published, in October 2013, an update of its expert appraisal on radio frequencies and health. This takes into account the health assessments carried out by expert working groups convened by the International Agency for Research on Cancer (IARC), which were published in October 2013 in volume 102 "Monographs on the evaluation of carcinogenic risks to humans: radiofrequency electromagnetic fields", and recommends in particular that exposure be reduced by encouraging the moderate use of mobile phones and the use of hands-free kits and the weakest SAR mobile terminals. The measure is justified from a public health perspective, as the SAR is currently the only information on electromagnetic field exposure that can be provided to consumers.
Relevant documents: Loi n° 2015-136 du 9 février 2015 relative à la sobriété, à la transparence, à l'information et à la concertation en matière d'exposition aux ondes électromagnétiques (Law No. 2015-136 of 9 February 2015 on restraint, transparency, information and dialogue regarding exposure to electromagnetic waves)
Proposed date of adoption: 1 July 2018
Proposed date of entry into force: 1 July 2018
Final date for comments: 2 June 2018
Full text: https://tsapps.nist.gov/notifyus/docs/wto_country/FRA/full_text/pdf/FRA185(english).pdf

European Union Notification EU/567
Date issued: 16 April 2018
Agency responsible: EU-TBT Enquiry Point
National inquiry point: EU-TBT Enquiry Point
Products covered: Short-range devices
Title: Draft Commission Implementing Decision on the harmonisation of radio spectrum for use by short range devices within the 874-876 and 915-921 MHz frequency bands (and its accompanying annex) (6 pages + Annex 8 pages, in English)
Description of content: This draft Commission Implementing Decision requires Member States to designate and make available on a non-exclusive, non-interference and non-protected basis the frequency bands for the types of short-range devices, subject to the specific conditions and by the implementation deadline, as laid down in the technical annex.
Objective and rationale: This draft Implementing Decision is linked to the existing Short-Range Devices (SRDs) Decision (the SRD Decision - Decision 2006/771/EC as last amended by Decision 2017/1483/EU). It makes available harmonised frequency bands for use by SRDs in the 874-876 and 915-921 MHz frequency ranges to enable next-generation RFID applications and networked IoT applications based on networked

SRDs. Since the regulatory environment in these frequency ranges is different in order to protect existing spectrum users, a separate Decision has been created.
Relevant documents: Short-Range Devices Decision (the SRD Decision - Decision 2006/771/EC as amended by Decision 2017/1483/EU): http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32017D1483&from=EN
Proposed date of adoption: 1 August 2018
Proposed date of entry into force: 1 August 2018
Final date for comments: 15 June 2018
Full text: https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU567[1](english).pdf and https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU567[2](english).pdf

Uganda Notification UGA/839
Date issued: 16 April 2018
Agency responsible: Uganda National Bureau of Standards (UNBS)
National inquiry point: Uganda National Bureau of Standards (UNBS)
Products covered: Toys; Electrical and electronics including solar panels and systems; Automotive products and inputs; Chemical commodities; Mechanical materials and gas appliances including construction materials and items; Textile, leather, plastic and rubber; Furniture including wood and metal articles; Paper and stationery; Protective safety Equipment; Food and food products; Used commodities including used motor vehicles Miscellaneous chemical products (HS 38), Rubber and articles thereof (HS 40), Headgear and parts thereof (HS 65), Furniture; bedding, mattresses, mattress supports, cushions and similar stuffed furnishings; lamps and lighting fittings, not elsewhere specified or included; illuminated signs, illuminated name- plates and the like; prefabricated buildings (HS 94), Toys, games and sports requisites; parts and accessories thereof (HS 95), Articles of leather or of composition leather, of a kind used in machinery or mechanical appliances or for other technical uses. (HS 4204), Textile products and articles, for technical uses, specified in Note 7 to this Chapter. (HS 5911), Filing cabinets, card-index cabinets, paper trays, paper rests, pen trays, office-stamp stands and similar office or desk equipment, of base metal, other than office furniture of heading 94.03. (HS 8304), Cooking appliances and plate warmers: (HS 73211), Mechanical (HS 470691), Electrical (HS 870911)
Title: The Uganda National Bureau of Standards (Inspection and Clearance of Imports) Regulations, 2018 (13 pages, in English)
Description of content: These Regulations apply to commodities for which the Minister declares compulsory standards specification under section 18 of the Uganda National Bureau of Standards Act, Cap 327.
The Regulations contain provisions on commodities: to conform to compulsory standard specification, to be accompanied by a certificate of conformity or certificate of road worthiness, and not accompanied by a certificate of conformity or certificate of road worthiness. The Regulations also contain provisions on application for import clearance certificate, issuance of import clearance certificate, destination inspection, verification of shelf life of commodities prior to issue of import clearance certificate, release of commodities without import clearance certificate, commodities manufactured in East African Community Partner States, notice to destroy or re-export commodities, and release of commodities under seal.
Schedule 1 of the regulations contains categories of commodities subject to Pre Export Verification of Conformity to Standards (PVoC); and commodities that are exempt from PVoC.
Schedule 2 contains fees and charges for import inspection and clearance.
Objective and rationale: Consumer information, labelling; Prevention of deceptive practices and consumer protection; Protection of human health or safety; Protection of animal or plant life or health; Protection of the environment; Quality requirements
Relevant documents: 1. The Uganda National Bureau of Standards Act, Cap 327; 2. The Uganda National Bureau of Standards (Import Inspection and Clearance) Regulations, 2015; 3. Statutory Instruments, Supplement No.9, 17 April 2015
Proposed date of adoption: Not given by country
Proposed date of entry into force: Not given by country
Final date for comments: 15 June 2018
Full text: https://tsapps.nist.gov/notifyus/docs/wto_country/UGA/full_text/pdf/UGA839(english).pdf

ANSI Public Review Announcements

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

Due 28 May 2018

BSR/ISA 62443-4-2-201x, Security for industrial automation and control systems - Part 4-2: Technical security requirements for IACS (new standard)
This document in the ISA 62443 series provides detailed technical control system component requirements (CRs) associated with the seven foundational requirements (FRs) described in ISA 62443-1-1 including defining the requirements for control system capability security levels and their components, SL C(component).
Single copy price: $99.00
Order from and send comments to: ebrazda@isa.org

Due 5 June 2018

BSR/ASME B30.30-201x, Ropes (new standard)
B30.30 will apply to the construction, selection, installation, attachment, testing, inspection, maintenance, repair, use, and replacement of wire rope, hybrid rope and synthetic fiber rope, and rope-lifting components used in conjunction with equipment addressed in the volumes of the B30 Standard.
Single copy price: Free!
Obtain an electronic copy from: http://cstools.asme.org/publicreview
Send comments to: Kathleen Peterson, petersonk@asme.org

CSA Public Review Announcements

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

Due 8 June 2018

C22.1, Amendment - Canadian Electrical Code, Part I, Subject No. 4323-0, Deletion of "grey" as colour for identified conductor. (amendment)
C22.1, Amendment - Canadian Electrical Code, Part I, Subject No. 4323-10, Deletion of "grey" as colour for identified conductor. (amendment)
C22.1, Amendment - Canadian Electrical Code, Part I, Subject No. 4323-64, Deletion of "grey" as colour for identified conductor. (amendment)
All these amendments eliminate gray as a color with the same meaning as white for marking conductors. The rationale given is that white has always been the color desired, but gray was permitted because white insulation was difficult to produce. Now white wire can be made, so only it should be allowed, and gray wire should be obsolete.

New ANS Projects

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

BSR H35.1-201x, Standard Alloy and Temper Designation Systems for Aluminum (revision and redesignation of ANSI H35.1/H35.1(M)-2017)
This standard provides systems for designating wrought aluminum and wrought aluminum alloys and aluminum and aluminum alloys in the form of castings and foundry ingot, and the tempers in which aluminum and aluminum alloy wrought products and aluminum alloy castings are produced. Specific limits for chemical compositions and for mechanical and physical properties to which conformance is required are provided by applicable product standards.
Contact: Jack Cowie, jcowie@aluminum.org

BSR H35.2-201x, Standard Dimensional Tolerances for Aluminum Mill Products (revision of ANSI H35.2-2017)
The standard contains information and data pertaining to the tolerances and other physical characteristics of various aluminum and aluminum alloy wrought products.
Contact: Jack Cowie, jcowie@aluminum.org

BSR H35.2M-201x, Standard Dimensional Tolerances for Aluminum Mill Products (revision of ANSI H35.2M-2017)
Update the standard with the most current data for the metric dimensional tolerances for aluminum mill products. This standard includes definitions, as well as standard limits for expressing metric tolerances (Standard limits, rounding, etc.).
Contact: Jack Cowie, jcowie@aluminum.org

BSR/NFPA 472-201x, Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents (revision of ANSI/NFPA 472 -2018)
This standard shall identify the minimum levels of competence required by responders to emergencies involving hazardous materials/weapons of mass destruction (WMD). This standard shall apply to any individual or member of any organization who responds to hazardous materials/WMD incidents. This standard shall cover the competencies for awareness level personnel, operations level responders, hazardous materials technicians, incident commanders, hazardous materials officers, hazardous materials safety officers, and other specialist employees.
Contact: Dawn Michele Bellis, dbellis@nfpa.org

BSR/NFPA 473-201x, Standard for Competencies for EMS Personnel Responding to Hazardous Materials/ Weapons of Mass Destruction Incidents (revision of ANSI/NFPA 473-2018)
This standard identifies the levels of competence required of emergency medical services (EMS) personnel who respond to incidents involving hazardous materials or weapons of mass destruction (WMD). This document covers the requirements for basic-life-support and advanced-life-support personnel in the pre-hospital setting. This standard is based on the premise that all EMS responders are trained to meet at least the core competencies of the operations level responders as defined in Chapter 5 of NFPA 472.
Contact: Dawn Michele Bellis, dbellis@nfpa.org

BSR/NFPA 1123-201x, Code for Fireworks Display (revision of ANSI/NFPA 1123-2018)
This code applies to the following: (1) Construction, handling, and use of fireworks and equipment intended for outdoor fireworks display, and (2) Operation of the display (see 3.3.16, Fireworks Display).
Contact: Dawn Michele Bellis, dbellis@nfpa.org

BSR/NFPA 1143-201x, Standard for Wildland Fire Management (revision of ANSI/NFPA 1143-2018)
This standard provides minimum requirements to fire protection organizations on the management of wildland fire, including prevention, mitigation, preparation, and suppression.
Contact: Dawn Michele Bellis, dbellis@nfpa.org

BSR/NFPA 1144-201x, Standard for Reducing Structure Ignition Hazards from Wildland Fire (revision of ANSI/NFPA 1144-2018)
This standard provides a methodology for assessing wildland-fire ignition hazards around existing structures, residential developments, and subdivisions and improved property or planned property improvement that will be located in a wildland/urban interface area, and provides minimum requirements for new construction to reduce the potential of structure ignition from wildland fires.
Contact: Dawn Michele Bellis, dbellis@nfpa.org

Final Actions on American National Standards

The documents listed below have been approved by the ANSI Board of Standards Review or by an ANSI-Audited Designator on the date noted.

ANSI/AWS B2.1-1-016-2018, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E7018, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications (new standard): 10 April 2018

ANSI/AWS B2.1-1-017-2018, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E6010, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications (new standard): 10 April 2018

ANSI/AWS B2.1-1-019-2018, Standard Welding Procedure Specification (SWPS) for CO2 Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E70T-1C and E71 T-1C, in the As-Welded Condition, Primarily Plate and Structural Applications (new standard): 10 April 2018

ANSI/AWS B2.1-1-020-2018, Standard Welding Procedure Specification (SWPS) for 75% Ar/25% CO2 Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E70T-1M and E71T-1M, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications (new standard): 10 April 2018

ANSI/AWS B2.1-1-021-2018, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) (new standard): 10 April 2018

ANSI/AWS B2.1-1-022-2018, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E6010 (Vertical Uphill) Followed by E7018, in the AsWelded or PWHT Condition, Primarily Plate and Structural Applications (new standard): 10 April 2018

ANSI/AWS B2.1-1-026-2018, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E6010 (Vertical Downhill) Followed by E7018, in the AsWelded or PWHT Condition, Primarily Plate and Structural Applications (new standard): 10 April 2018

ANSI E1.6-2-2018, Entertainment Technology - Design, Inspection, and Maintenance of Electric Chain Hoists for the Entertainment Industry (revision of ANSI E1.6-2-2013): 10 April 2018

Draft IEC & ISO Documents

This section lists proposed documents that the International Electromechanical Commission (IEC) or the International Organization for Standardization (ISO) are considering for approval. S*tandards 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 and ISO documents should be sent to Charles T. Zegers at czegers@ansi.org and Karen Hughes at isot@ansi.org respectively. Any prices, if shown, are for purchases through ANSI. The sort order is by due date then alphanumeric.

ISO/DIS 22510, Open data communication in building automation, controls and building management - Home and building electronic systems - KNXnet/IP communication, 29 April 2018, $215.00

ISO/DIS 37104, Sustainable development in communities - Guidance for practical implementation in cities, 30 April 2018, $125.00

CABPUB/159/CD, ISO/IEC CD 17029: Conformity assessment - General principles and requirements for bodies performing validation and verification activities, 5 May 2018

CIS/H/357/CD, IEC 61000-6-3/AMD2/FRAG2 ED2: Amendment 2/ Fragment 2 - Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments, 1 June 2018

CIS/H/358/CD, IEC 61000-6-3/AMD2/FRAG3 ED2: Amendment 2 - Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments, 1 June 2018

ISO/IEC DIS 26560, Software and systems engineering - Tools and methods for product line product management, 15 June 2018, $125.00

ISO/DIS 7010, Graphical symbols - Safety colours and safety signs - Registered safety signs, 18 June 2018, $230.00

ISO/DIS 15549, Non-destructive testing - Eddy current testing - General principles, 21 June 2018, $46.00

ISO/DIS 2232, Round non-alloy steel wires for general purpose wire ropes, large diameter wire ropes and mine hoisting wire ropes - Specifications, 22 June 2018, $77.00

64/2273/CD, IEC TR 60479-4 ED3: Effects of current on human beings and livestock - Part 4: Effects of lightning strokes, 29 June 2018

ISO/DIS 13746, Textile floor coverings - Guidelines for installation and use on stairs, 29 June 2018, $40.00

Recently Published IEC & ISO Documents

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

IEC 62046 Ed. 1.0 en:2018, Safety of machinery - Application of protective equipment to detect the presence of persons, $375.00

ISO 129-5:2018, Technical product documentation - Indication of dimensions and tolerances - Part 5: Dimensioning of structural metal work, $103.00

ISO 37157:2018, Smart community infrastructures - Smart transportation for compact cities, $68.00
ISO/IEC 14543-5-11:2018, Information technology - Home electronic systems (HES) architecture - Part 5-11: Intelligent Grouping and Resource Sharing for HES Class 2 and Class 3 - Remote user interface, $185.00

ISO/IEC 30114-2:2018, Information technology - Extensions of Office Open XML file formats - Part 2: Character repertoire checking, $68.00

ISO/IEC Guide 14:2018, Products and related services - Information for consumers, $103.00

ISO/TR 20694:2018, A typology of language registers, $103.00

ISO/TR 23087:2018, Automation Systems and Integration - The Big Picture of Standards, $185.00

TSP Meeting Schedule

The next set of meetings is scheduled for the DFW Marriott Solana in Westlake, Texas. A “Reserve a Hotel Room” link is at http://tsp.esta.org/tsp/meetings/index.php.

Control Protocols E1.20 / E1.37-5	19:00 – 23:00	Thursday 19 July 2018
	14:00 – 18:00	Friday 20 July 2018
Control Protocols E1.33 / E1.37-7	14:00 – 18:00	Saturday 21 July 2018
	14:00 – 18:00	Sunday 22 July 2018
	10:00 – 18:00	Monday 23 July 2018
	10:00 – 17:00	Tuesday 24 July 2018
Control Protocols E1.37-4 Firmware Uploads	09:00 – 13:00	Sunday 22 July 2018
Control Protocols E1.59	09:00 – 13:00	Friday 20 July 2018
Control Protocols NAEP	19:00 – 23:00	Friday 20 July 2018
Control Protocols Plugfest	09:00 – 23:00	Friday 20 July 2018
	09:00 – 23:00	Saturday 21 July 2018
	09:00 – 23:00	Sunday 22 July 2018
	09:00 – 23:00	Monday 23 July 2018
Control Protocols Plugfest Roundtable	19:00 – 21:00	Sunday 22 July 2018
Control Protocols Working Group	09:00 – 13:00	Saturday 21 July 2018
Electrical Power Working Group	09:00 – 11:00	Friday 20 July 2018
Event Safety Communications TG	14:00 – 18:00	Thursday 19 July 2018
	09:00 – 13:00	Friday 20 July 2018
Event Safety Fire Safety TG	14:00 – 18:00	Friday 20 July 2018
Event Safety Working Group	14:00 – 18:00	Saturday 21 July 2018
Floors Working Group	19:00 – 22:00	Thursday 19 July 2018
Fog & Smoke Working Group	15:00 – 18:00	Thursday 19 July 2018
Rigging Working Group	14:00 – 18:00	Friday 20 July 2018
Stage Machinery Controls TG	15:00 – 18:00	Thursday 19 July 2018
Stage Machinery Working Group	19:00 – 23:00	Saturday 21 July 2018
Technical Standards Council	09:00 – 13:00	Sunday 22 July 2018

The Autumn meetings will be held 4-8 October 2018 at the Marriott Solana in Westlake, TX.

ESTA Standards Watch

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