

PLASA Standards News

February 2013 Volume 17, Number 3

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Three PLASA Standards in Public Review

Three PLASA standards are now in public review. The public review materials for the standards are available at http://tsp.plasa.org/tsp/documents/public_review_docs.php. The last day to comment for each of them is April 1. The reviews have ended when April 2 starts.

BSR E1.44 – 201x, Common Show File Exchange Format For Entertainment Industry Automation Control Systems – Stage Machinery, defines a common show file format for the exchange of automation control data between control systems by different manufacturers of stage machinery.

BSR E1.45 - 201x, Unidirectional Transport of IEEE 802 data frames over ANSI E1.11 (DMX512-A), defines a minimal method to transport IEEE 802 data frames unidirectionally over ANSI E1.11 physical links using an Alternate START Code. The primary motivation is to allow communication of 802 data to luminaires over an ANSI E1.11 DMX512-A datalink for data transmission from those luminaires using Visible Light

Communication, IEEE 802.15.7. However, this standard may be used to transport any 802 data for any purpose.

BSR E1.48 - 201x, A Recommended Luminous Efficiency Function for Stage and Studio Luminaire Photometry, specifies an energy-based luminous efficiency function $V(\lambda)$ based on recent research for use when measuring the lumen output for any stage or studio luminaire in which it is known or believed that 20% or more of the output power is at wavelengths shorter than 500 nm. Most light meters in use today use the 89-year-old CIE 1924 $V(\lambda)$ function. It's wrong, so the meters are wrong, and anyone using the meters and believing them is wrong.

Event Safety Guide in Public Review

At Event Live! on 6 February, the Event Safety Alliance announced the start of a 180-day public review of the draft *Event Safety Guide: A guide to health, safety and welfare at live music and similar events in the United States*. The document is available for comment on the Event Safety Alliance website (<http://www.eventsafetyalliance.org/>) to all registered users of the site. Registration is free and minimal personal information is collected. People who consider themselves to be part of the theatre community as distinct from the concert touring industry are particularly encouraged to review and comment. Despite the book's subtitle, the *Guide* applies to your work, too. The review of the current draft ends August 5th. Please comment before then.

This U.S. *Event Safety Guide* is based on the book by the same name published in the UK by the Health and Safety Executive, but major portions of it have been rewritten to point to American National Standards and to US governmental regulations and safety planning documents. Of particular note is the information from the Federal Emergency Management Agency on emergency preparedness for special events.

The U.S. *Event Safety Guide* has been written, as was its precursor, the HSE's *Event Safety Guide*, in response to a series of events causing loss of life in the concert touring industry, and the book deals with problems peculiar to staging events outdoors in open fields or inside arenas. However, a lot of the *Guide* also is applicable to performances taking place indoors in permanent theatres. If you have an audience, you need plans for crowd control and managing emergency situations. Fires, power failures, earthquakes, crowd panics, medical emergencies, and active shooters are not problems only for music events.

PLASA and Event Safety Alliance Work Together to Increase Safety

PLASA and the Event Safety Alliance have issued a press release formally announcing their mutual endorsement in the ongoing efforts to raise awareness and use of industry best practices and technical standards throughout live entertainment production.

Lori Rubinstein, PLASA's North American Executive Director comments, "the ESA's Event Safety Guide will be an important and relevant tool for disseminating the vast array of industry best practices necessary in the successful and safe execution of live events."

Event Safety Alliance Executive Director Jim Digby comments, "The work of PLASA in the creation of wide reaching, industry technical standards is an absolute necessity in the rapidly changing sector of production protocols. The Event Safety Guide would not be complete were it not for the ability to cross reference and include the ongoing and painstaking technical standards work of PLASA."

New Portable Appliance Testing Code Of Practice

To assist those hire companies that hire electrical equipment and appliances to the public or to businesses the Hire Association of Europe and the Event Hire Association have produced a Code of Practice. It

recommends good working practices that PLASA members may find useful in understanding the updated requirements of Portable Appliance Testing (PAT). The emphasis of PAT now is on a risk assessment approach to frequency and type of testing. The scope of the document is applicable to all electrical equipment that is hired and applies to testing the electrical safety of single and three-phase equipment with rated voltages up to 1,000 V AC and 1,500 V DC.

The easy to read guidance is available from the HAE/EHA by using their online order form available at <http://plasa.me/ils23>. The price is £15.00 + VAT for members of HAE/EHA and £35.00 + VAT for non members. Please do not contact PLASA as we do not have a distribution agreement with the HAE/EHA.

BS EN 55032 replaces BS EN 55013, BS EN 55022 and BS EN55103-1

BS EN 55032 covers emission requirements for all multimedia products and audio visual equipment. For the first time, emission requirements for all multimedia products and audio visual equipment have been brought together in one standard.

Once BS EN 55032 is listed in the Official Journal of the European Union it can be used as the standard for products currently within the scope of BS EN 55022, BS EN 55020 and BS EN 55103-1. It will eventually be the only appropriate standard once these other standards are withdrawn. It will serve as the state of the art and also give presumption of conformity to specified Essential Requirements of the EMC and the RTTE Directives. Particularly in the area of multimedia, where there is a convergence of functionality, it is more convenient for you to have the emission requirements for many products within one standard.

The standard will be used as a set of requirements to ensure that products within its scope do not give off emissions which cause interference to radio and telecommunications services. The standard has established requirements which are deemed to provide an adequate level of protection of the radio spectrum, allowing radio services to operate as intended in the frequency range 9 kHz to 400 GHz. It specifies procedures to ensure the reproducibility of measurement and the repeatability of result.

PLASA members who have a UK postal address can obtain a copy of this standard through the PLASA TRO by contacting Ron Bonner at ron.bonner@plasa.org.

RDM and sACN Developers Conference and Plugfest

PLASA's Technical Resource Office announces that the RDM and sACN Developers Conference and Plugfest returns for 2013 and will take place on the 25th-27th April, at Gatwick Manor, London Road at Lowfield Heath, just south of Gatwick Airport in the UK.

This Developers Conference aims to provide a European forum for manufacturers, designers, consultants and prospective users; and to ensure that the adoption of these new standards achieves desired levels of interoperability and reliability. The Conference includes presentations in understanding, implementing and using the published PLASA control protocols suites. Discussions will also embrace the current protocol developments that form part of the PLASA Technical Standards Program. The past 12 months has seen considerable advancement in the development of "RDMnet," with various drafts of BSR E1.33 being offered for public review, so this is an active topic for consideration.

The Plugfest is a hands-on opportunity for product developers to try their products and code implementations with products from a variety of other manufacturers, with support from their industry peers in an environment that encourages co-operation and improved understanding of the standards, and with the aim of achieving high levels of interoperability. Typically, engineers participate in these events with the ability to code and debug aspects of their implementations on site, sometimes retreating to their hotel rooms to craft improvements before returning to the Plugfest to continue testing. The sessions, despite their apparent informality, can be a valuable opportunity to learn how not to make the same mistakes, or misguided assumptions, as others may have done.

Participation is by invitation, and limited to registered delegates. The conference is designed to appeal to Lighting Designers, System integrators, Theatre Consultants, Production Electricians, Rental company technical staff and product development engineers. The focus for Thursday will be broad, and designed to appeal to all categories of participant. Friday and Saturday will be orientated towards product development engineers who are either considering or actively implementing these standards.

A single registration fee of UK£60 per person, payable in advance, covers participation and a buffet lunch. Delegates may attend one or more days as they think appropriate. The registration fee is fixed, regardless of the number of days you attend, but you are required to indicate your proposed level of participation in advance. Further information and signup is available at <http://www.plasa.org/rdm/>. Any enquiries should be directed to Ron Bonner at ron.bonner@plasa.org.

UL to Develop National Standards for Canada

Underwriters Laboratory has announced that it has been accredited by the Standards Council of Canada (SCC) to develop National Standards of Canada. Accreditation from SCC will allow UL to create Standards solely for Canada along with fully harmonized bi-national standards for the U.S. & Canada marketplace. Where there is no standard in Canada, UL is now in a position to work with a single consensus body to develop a standard accredited for use in both Canada and the US. For more information about this new accreditation, please contact Deborah Prince at Deborah.Prince@ul.com.

OSHA Announces NRTL Program Meeting, Invites Stakeholders

OSHA has announced it will hold a three-hour stakeholder meeting about its Nationally Recognized Testing Laboratory (NRTL) program on March 6 in Washington, D.C. Registration to participate must be made by February 22 and can be accomplished by emailing Lisa Saylor Gentry, gentry.lisa@dol.gov, with "NRTL March 6, 2013, Stakeholder Meeting Registration" in the subject line or faxing it to her at 1-202-693-1644. Comments must be submitted electronically, by mail, or by facsimile by February 13.

The meeting will be held from 10:00 to 13:00, Wednesday 6 March, in the Francis Perkins Building, U.S. Department of Labor, Room C-5320, Conference Room 6, 200 Constitution Ave., N.W., Washington, DC 20210. Attendees should arrive at least thirty minutes before the meeting to allow time for security clearance. Meeting attendees must have a valid photo identification (e.g., driver's license, passport), and will need to obtain a pass from the security desk to enter the building. Security-clearance information is available at <http://www.dol.gov/dol/aboutdol/visit.htm>.

The meeting will allow stakeholders an opportunity to comment on NRTL program policies, procedures, and guidelines to improve the quality of services provided by OSHA to these labs. There also may be changes coming to the NRTL application process and the process for renewals, according to the OSHA meeting notice. More information is available in the *Federal Register* notice available at <http://www.gpo.gov/fdsys/pkg/FR-2013-02-01/pdf/2013-02173.pdf>.

INCITS Seeks Participants for U.S. TAGs on IT Governance and Internet of Things

The InterNational Committee for Information Technology Standards (INCITS) has announced the creation of two new groups to serve as U.S. Technical Advisory Groups (TAGs) to Working Groups (WGs) associated with International Organization for Standardization / International Electrotechnical Commission (ISO/IEC) Joint Technical Committee (JTC) 1, Information Technology. INCITS is seeking for participants in the groups: INCITS Study Group on Internet of Things (IoT) and INCITS GIT1 – Governance of IT.

The INCITS Study Group on IoT will work to identify standardization gaps and market requirements related to IoT, while also promoting cooperation across different economic sectors. Through its activities, the study group will seek to encourage the establishment and use of common U.S. and international IoT standards by stakeholders. The study group will hold its first meeting at the headquarters of the Information Technology Council (ITI), 1101 K Street, NW, Suite 610, in Washington, DC, at 09:00 on Wednesday, 27 February 2013. During the meeting, which comes in advance of global talks on the subject scheduled to take place in Berlin on 6 March 2013, U.S. delegates to the Berlin meeting will be chosen and work will be carried out to develop the official U.S. positions for the upcoming international discussions. To take part in the February 27 meeting, please contact Barbara Bennett at bbennett@itic.org.

NCITS GIT1 will work to establish a functional framework for IT governance and will focus on essential, related standards, including documents on digital forensics, corporate governance, and software management. INCITS GIT1 will hold its first meeting at 09:00 on Thursday, 28 February 2013. To discover the meeting location or to take part in this event, please contact Deborah Spittle at dspittle@itic.org.

WTO Notifications

The U.S. Department of Commerce's service, Notify U.S., recently has announced a few notices as WTO Technical Barriers to Trade that may be of interest to *Standards News* readers.

Georgia Notification GEO/70

Date issued: 29 January 2013

Agency responsible: Unified National Body of Accreditation - Accreditation Center

National inquiry point: Georgian National Agency for Standards, Technical Regulations and Metrology (GEOSTM)

Products covered: Accreditation

Title: Order of the Director of LEPL - Unified National Body of Accreditation Accreditation Center (abbreviation "GAC") No 07, 31 December 2012 about "Approval of the Rules and Procedures of Accreditation Systems"

Description of content: Approval of accreditation systems rules and procedures: a) GAC 1.1:2012 - "Accreditations schemes and general procedures"; b) GAC 1.2:2012 - "Rules of monitoring and surveillance of accredited bodies"; c) GAC1.3.2012 - "Rules and procedures for accreditation of testing and calibration laboratories on conformity with SST/ISO/IEC 17025:2010 standard"; d) GAC-1.5:2012 - "Rules and procedures for accreditation medical laboratories on conformity with SST/ISO 15189:2011 standard"; e) GAC 1.4:2012 - "Rules and procedures for accreditation of product certification bodies on conformity with SST/ISO/IEC guide 65:2010"; f) GAC 1.6:2012 "Rules and procedures for accreditation of personnel certification bodies on conformity with SST/ISO/IEC 17024:2010 standard"; g) GAC 1.7:2012 - "Rules and procedures for accreditation of bodies performing audit and certification of management systems on conformity with SST/ISO/IEC 17021:2011 standard; h) GAC 1.8:2012 "Rules and procedures for accreditation of inspection bodies on conformity with SST/IEC/IEC 17020:2010 standard"; i) GAC 1.9:2012 - "Rules and procedures of accreditation committee"; j) GAC 1.10:2012 - "Rules for registry of accredited bodies"; k) GAC 1.11:2012 - "Procedures for reviewing appeals and complains"; l) GAC 1.12:2012 - "Accreditation logo, accreditation Mark and rules for of use".

Objective and rationale: Document explains for interesting persons: how to apply application for accreditation to the accreditation center; application processing; management of evaluations procedures; process of taking decision; requirements for accredited bodies for maintain accredited statue; and times and rules of appeals and complaints.

Relevant documents: Georgian law "Code of Product Safety and Free Movement of Goods"; Georgian law on "Normative Acts".

Proposed date of adoption: 31 December 2012 [sic]

Proposed date of entry into force: 10 January 2013 [sic]

Final date for comments: Not given by country

Full text in two parts: [https://tsapps.nist.gov/notifyus/docs/wto_country/GEO/full_text/pdf/GEO70\[1\]\(georgian\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/GEO/full_text/pdf/GEO70[1](georgian).pdf) and [https://tsapps.nist.gov/notifyus/docs/wto_country/GEO/full_text/pdf/GEO70\[2\]\(georgian\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/GEO/full_text/pdf/GEO70[2](georgian).pdf)

Israel Notification ISR/652

Date issued: 29 January 2013

Agency responsible: Israel WTO-TBT Enquiry Point, Ministry of Industry, Trade and Labor (MOITAL)

National inquiry point: Israel WTO-TBT Enquiry Point, Ministry of Industry, Trade and Labor (MOITAL)

Products covered: Electric cables, Cords and insulated conductors (HS 8544.42, 8544.49 and 4421.90)

Title: Rubber insulated cables Rated voltages up to and including 450/750 V: Heat resistant silicone insulated cables

Description of content: Revision of the Mandatory Standard SI 60245 part 3. This draft standard revision adopts the International Standard IEC 60245-3 - Second edition: 1994-07 and its Amendment 1: 1997-06 and Amendment 2: Edition 2.0 - 2011-09 and amends its normative references.

Objective and rationale: Protection of human safety and lowering of trade barriers.

Relevant documents: Israel Mandatory Standard SI60245 part 3 (May 2011); International Standard IEC 60245-3 - Second edition: 1994-07 + Amendment 1: 1997-06 and Amendment 2: Edition 2.0 - 2011-0

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 29 March 2013

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/ISR/full_text/pdf/ISR652\(hebrew\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/ISR/full_text/pdf/ISR652(hebrew).pdf)

United Arab Emirates Notification ARE/132

Date issued: 29 January 2013

Agency responsible: Emirates Authority for Standardization and Metrology (ESMA)

National inquiry point: Emirates Authority for Standardization and Metrology (ESMA)

Products covered: Lifts and escalators

Title: UAE Draft of Emirates System for Monitoring and Control Electrical Elevators

Description of content: This draft technical regulation is concerned with draft of Emirates System for Monitoring and Control Electrical Elevators, which specifies the definitions, general requirement, essential health and safety requirements, potential hazard of using the elevator and Conformity Assessment Procedure. This system does not cover: Teleferic which includes deep slope railways related to public transport or individual private transport; The elevator designed and installed exclusively for Military or Police purposes; Elevators used for Mines; -Elevators used in the means of transport; Elevators connected with machinery and which are exclusively used to access place of work.

Objective and rationale: Safety and Consumer protection

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 29 March 2013

Sweden Notification SWE/122

Date issued: 12 February 2013

Agency responsible: National Board of Trade

National inquiry point: National Board of Trade

Products covered: Scaffolding

Title: The Swedish Work Environment Authority's (Arbetsmiljöverkets) regulations and general recommendations on scaffolding

Description of content: -The regulations regarding scaffolding are being revised and published as a new statute. The area of application has been expanded and it is proposed that the regulations now cover scaffolding used as a workplace, as an access link, as protection against falls when working on roofs or at other great heights and as protection against collapse. It is proposed that they also cover weather protection; It is proposed that the regulations cover work involved in the erection of scaffolding and weather protection, work on scaffolding and under weather protection and the design of scaffolding and weather protection (product requirements). It is recommended that there be both technical and administrative requirements; Different areas of regulations shall be adhered to by those who are employers (this also refers to those hiring-in personnel and, in the majority of cases, the self-employed), those who control a workplace, manufacture, import, assign or lease scaffolding and weather protection, erect scaffolding and weather protection (and in so doing install a technical device), those who are construction work environment coordinators for the project phase or implementation phase of building and construction work and those who certify or type test scaffolding; In the case of prefabricated scaffolding, components for prefabricated scaffolding and connections, it is proposed that they are only allowed to be released onto the market or made available for sale if they are covered by a valid type test certificate

(requirements unchanged compared with regulations currently applying); It is proposed that penalties are imposed in two paragraphs; the requirement for type tests on delivery of prefabricated scaffolding and connections and the requirement for evidence of training/skills to erect scaffolding. It is not planned that any regulations will have direct penal sanctions.

Objective and rationale: The aim of the regulations is to prevent ill-health and accidents due to work involving scaffolding and weather protection.

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 23 April 2013

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/SWE/full_text/pdf/SWE122\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/SWE/full_text/pdf/SWE122(english).pdf)

Notify U.S. suggests that US businesses send comments to notifyus@nist.gov at least three business days before the closing date. Include the following information:

- Your name
- Company name
- Contact name at company name
- Date submitted
- Notification commented on (number and title)
- Issue statement: The reason you are submitting comments should be stated clearly and should focus on the technical aspects. If you would have trouble meeting a deadline, indicate when you could comply.
- Supporting rationale statement: You should provide a rationale to support your issue statement. Focus on the technical aspects of the proposed regulation with which you may have issues.

A parallel WTO Technical Barriers to Trade notification system exists for members of the EU. See <http://ec.europa.eu/enterprise/tbt/> for information about WTO TBT from the European perspective. Links on that page lead to a journal of events (notifications and responses to notifications, draft EU Commission Regulations, et cetera), a database of the notifications filed, a library of relevant EU Commission and WTO documents, and other information.

ANSI Public Review Announcements

The following recent ANSI public review announcements are likely to be of interest to *Standards News* readers. Please send your comments before the deadline to the person indicated and to the Board of Standards Review at the American National Standards Institute, psa@ansi.org.

Due 18 March 2013

BSR/ASA S12.11-201x/Part 1/ISO 10302-1:2011, Acoustics - Measurement of airborne noise emitted and structure-borne vibration induced by small airmoving devices - Part 1: Airborne noise measurement (identical national adoption of ISO 10302-1:2011)

Specifies methods for measuring the airborne noise emitted by small airmoving devices, such as those used for cooling electronic, electrical, and mechanical equipment where the sound power level of the AMD is of interest. Describes the test apparatus and methods for determining the airborne noise emitted by small AMDs as a function of the flow rate and the static pressure developed by the AMD on the test apparatus.

Single copy price: \$164.00

Obtain an electronic copy from: asastds@aip.org

Send comments to: Susan Blaeser, sblaeser@aip.org

BSR/ASA S12.11-201x/Part 2/ISO 10302-2:2011, Acoustics - Measurement of airborne noise emitted and structure-borne vibration induced by small airmoving devices - Part 2: Structure-borne vibration measurements (identical national adoption of ISO 10302-2:2011)

This part covers vibration levels from small air-moving devices with mounting footprints of less than 0.48 m x 0.90 m for the full-size test plenum and less than 0.18 m x 0.3 m for the half-size plenum. The procedures defined in this part specify methods for determining vibration levels that a small AMD would induce in an average structure used in information technology and telecommunications equipment.

Single copy price: \$135.00

Obtain an electronic copy from: asastds@aip.org

Send comments to: Susan Blaeser, sblaeser@aip.org

BSR/AWS D1.2/D1.2M-201x, Structural Welding Code - Aluminum (revision of ANSI/AWS D1.2/D1.2M:2008)

This code covers the welding requirements for any type structure made from aluminum structural alloys, except for aluminum pressure vessels and pressure piping. Clauses 1 through 7 constitute a body of rules for the regulation of welding in aluminum construction. A commentary on the code is also included.

Single copy price: \$126.00

Order from: Rosalinda O'Neill, roneill@aws.org

Send comments to: Andrew Davis, adavis@aws.org

BSR/NECA 414-201x, Standard for Installing Wind Power Generation Turbines (new standard)

This standard describes the application procedures for installing wind power generation turbines.

Single copy price: \$40.00

Order from and send comments to: Diana Brioso, diana.brioso@necanet.org

Due 25 March 2013

BSR/ISA 95.00.03 (IEC 62264-3 Modified)-200x, Enterprise-Control System Integration - Part 3: Activity Models of Manufacturing Operations Management (national adoption with modifications of IEC 62264-3)

Defines models for manufacturing activities that operate between logistics and planning & control functions.

Single copy price: \$99.00

Order from and send comments to: Charles Robinson, crobinson@isa.org

BSR/ISA 62443-3-3 (ISA 99.03.03)-201x, Security for industrial automation and control systems - Part 3-3: System security requirements and security levels (new standard)

This part of the ISA 62443 series provides detailed technical control system requirements associated with the seven foundational requirements described in ISA 62443-1-1 (99.01.01) including defining the requirements for control system capability security levels.

Single copy price: \$99.00

Order from and send comments to: Charles Robinson, crobinson@isa.org

BSR/ISA 95.00.05-201x, Enterprise-control system integration - Part 5: Business-to-manufacturing transactions (revision of ANSI/ISA-95.00.05 -2007)

This standard defines business-to-manufacturing transactions that may be used on the objects defined in the object models of the Part 1 and Part 2 standards in the ANSI/ISA-95 series. The transactions of required and actual manufacturing activities bind and organize the objects and activities defined in those standards.

Single copy price: \$99.00

Order from and send comments to: Charles Robinson, crobinson@isa.org

BSR/UL 60947-5-1-201x, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 5-1: Control Circuit Devices and Switching Elements - Electromechanical Control Circuit Devices (national adoption with modifications of IEC 60947-5-1)

Covers revisions to the previously proposed standard based on comments received.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000, <http://www.comm-2000.com>

Send comments to: Megan Sepper, Megan.M.Sepper@ul.com

Due 9 April 2013

BSR OEOSC OP1.0110-11-201x, Standard for Optics and Electro-Optical Instruments - Preparation of drawing for optical elements and systems - Part 11: Non-toleranced data (national adoption with modifications of ISO 10110 -11)

This national standard establishes uniform practices for non-toleranced data, or defaults, on optics drawings. It is based entirely on ISO 10110-11, with modifications to accommodate current standard practice in the

United States.

Single copy price: \$50.00 PDF, \$70.00 paper

Order from and send comments to: Dave Aikens, daikens@optstd.org

BSR OEOSC OP1.0110-12-201x, Standard for Optics and Electro-Optical Instruments - Preparation of drawing for optical elements and systems - Part 12: Aspheric surfaces (national adoption with modifications of ISO 10110-12)

This national standard establishes uniform practices for indications on drawings of aspheric optical surfaces. It is based entirely on ISO 10110-12, with the addition of a notation to allow the specification of Forbes aspheres, commonly called Qcon and Qbfs.

Single copy price: \$75.00 PDF, \$100.00 paper

Order from and send comments to: Dave Aikens, daikens@optstd.org

BSR OEOSC OP1.0110-201x, Standard for Optics and Electro-Optical Instruments - Preparation of drawings for optical elements and systems - Part:10 Table representing data of optical elements and cemented assemblies (national adoption with modifications of ISO 10110-10)

OP1.0110-10 is a national standard that establishes uniform practices for drawing notations in tabular form for optical elements and assemblies. It is based entirely on ISO 10110-10, but modified to accommodate standard practice in the United States.

Single copy price: \$75.00 PDF, \$100.00 paper

Order from and send comments to: Dave Aikens, daikens@optstd.org

BSR OEOSC OP1.0110-9-201x, Standard for Optics and Electro-Optical Instruments - Preparation of drawing for optical elements and systems - Part 9: Surface treatment and coating (national adoption with modifications of ISO 10110-9)

This national standard establishes uniform practices for indicating the treatments and coatings applied to optical surface for functional and/or protective purposes. It is based entirely on ISO 10110-9, with some modifications to accommodate standard practice in the United States.

Single copy price: \$50.00 PDF, \$70.00 paper

Order from and send comments to: Dave Aikens, daikens@optstd.org

BSR OEOSC OP1.9211-1-201x, Standard for Optics and Electro-Optical Instruments - Optical coatings - Part 1: Definitions (national adoption with modifications of ISO 9211-1)

This national standard defines the terms relevant to optical coatings. It is based entirely on ISO 9211-1, with some modifications to accommodate standard practice in the United States.

Single copy price: \$75.00 PDF, \$105.00 paper

Order from and send comments to: Dave Aikens, daikens@optstd.org

BSR OEOSC OP1.9211-2-201x, Standard for Optics and Electro-Optical Instruments - Optical coatings - Part 2: Optical properties (national adoption with modifications of ISO 9211-2)

This national standard indicates how to specify optical properties of coatings and to represent spectral characteristics graphically. It is based entirely on the international standard ISO 9211-2, with some modifications to accommodate standard practice in the United States.

Single copy price: \$75.00 PDF, \$100.00 paper

Order from and send comments to: Dave Aikens, daikens@optstd.org

BSR OEOSC OP1.9211-3-201x, Standard for Optics and Electro-Optical Instruments - Optical coatings - Part 3: Environmental durability (national adoption with modifications of ISO 9211-3)

This national standard specifies the categories of use for optical coatings and identifies which environmental tests are necessary to prove that the coatings meet the required specification. It is based entirely on ISO 9211-3.

Single copy price: \$50.00 PDF, \$70.00 paper

Order from and send comments to: Dave Aikens, daikens@optstd.org

BSI Public Review Announcements

BSI Standards has announced some draft documents that might be of interest to Standards News readers. The documents are available at <http://drafts.bsigroup.com/>.

Due 19 February 2013

ISO/IEC 30190, Information technology. Digitally recorded media for information interchange and storage. 120 mm Single Layer (25,0 Gbytes per disk) and Dual Layer (50,0 Gbytes per disk) BD Recordable disk

This International Standard specifies mechanical, physical and optical characteristics of a 120 mm recordable optical disk with a capacity of 25,0 Gbytes or 50,0 Gbytes. It specifies the quality of the recorded and unrecorded signals, the format of the data and the recording method, thereby allowing for information interchange by means of such disks. User data can be written once and read many times using a non-reversible method. This disk is identified as BD Recordable disk.

This International standard specifies three related but different types of this disk, the conditions for conformance, the environments in which the disk is to be operated and stored, the mechanical and physical characteristics of the disk, so as to provide mechanical interchange between data processing systems, the format of the information on the disk, including the physical disposition of the tracks and sectors, the error-correcting codes and the coding method used, the characteristics of the signals recorded on the disk, enabling data processing systems to read data from the disk. This International Standard provides for interchange of disks between disk drives. Together with a standard for volume and file structure, it provides for full data interchange between data processing systems.

Due 28 February 2013

EN 10228-1, Non-destructive testing of steel forgings. Part 1. Magnetic particle inspection

This Part of EN 10228 describes the method and acceptance criteria to be used for the magnetic particle testing of forgings manufactured from ferromagnetic materials. The method described is used for the detection of surface discontinuities. It can also detect discontinuities just below the surface but the sensitivity to such discontinuities decreases rapidly with depth.

EN 10228-2, Non-destructive testing of steel forgings. Part 2. Penetrant testing

This Part of EN 10228 describes the method and acceptance criteria to be used for the penetrant testing of steel forgings. The method described is used for the detection of surface discontinuities.

EN 10228-3, Non-destructive testing of steel forgings. Ultrasonic testing of ferritic or martensitic steel forgings

This Part of EN 10228 describes the techniques to be used for the manual, pulse-echo, ultrasonic testing of forgings manufactured from ferritic and martensitic steel. Mechanised scanning techniques, such as immersion testing, may be used but should be agreed between the purchaser and supplier (see Clause 4). This Part of EN 10228 applies to four types of forgings, classified according to their shape and method of production. Types 1, 2 and 3 are essentially simple shapes. Type 4 covers complex shapes.

Due 2 March 2013

ISO/IEC 29182-4, Information technology. Sensor networks: Sensor Network Reference Architecture (SNRA). Part 4. Entity models

This part presents models for the entities that enable sensor network applications and services according to the Sensor Network Reference Architecture (SNRA).

ISO 24504, Ergonomics. Accessible design. Sound pressure levels of spoken announcements for products and public address systems

This International Standard specifies methods to determine an appropriate sound pressure level range for spoken announcements in noisy environments. The specified method follows the concepts of ISO/IEC Guide 71 and includes consideration of older persons with decreased hearing ability to determine sound pressure levels of spoken announcements. The spoken speech levels that are specified in this standard are for products and public-address systems. Spoken announcements shall be not only audible but also presented at comfortable speech levels to improve their usability and acceptability. This standard specifies a different method from ISO 9921, which specifies recommended levels of speech-communication quality necessary for

conveying comprehensive messages in different applications. This standard does not specify any requirement for sound pressure levels of spoken announcements.

The target products that present spoken announcements are consumer products such as electronic home appliances, information and communication technology services, and products providing services for general users in public facilities indoors and outdoors such as train stations, airports, meeting rooms, amusement parks, and fairs.

This standard is applicable to spoken announcements that are audible to native speakers of the language of the announcement with normal hearing for their age when presented by a target product under quiet and anechoic conditions. This standard is applicable for both recorded voice and synthetic speech announcements. This standard is applicable when a loudspeaker producing a spoken announcement is located at a short distance from the user in the environment where the A-weighted sound pressure level of ambient noise does not exceed 80 dB.

This standard does not specify sound pressure levels of spoken announcements for systems with automatic sound pressure level control to compensate for fluctuating ambient noise levels. This standard is not applicable to spoken announcements heard through headphones or earphones, nor to spoken announcements heard with the ear close to the speech sound source, such as in ear loudspeakers specified in IEC 60268-7. This standard considers only the audibility of speech and not the process of speech understanding.

This standard does not specify the sound pressure levels of spoken announcements presented in emergency situations such as signals for fire alarms, gas leakage and crime prevention; those are covered in ISO 7240-16 and ISO 7240-19. This standard does not specify the sound pressure levels of spoken announcements in automobiles; those are covered in ISO 15006.

Draft IEC & ISO Documents

The International Electrotechnical Commission (IEC) and the International Organization for Standardization (ISO) are considering the following documents for approval that might be of interest to *Standards News* readers. The documents are available from your nation's representative organization to the IEC and ISO. Comments should be sent via your representative before the deadline date shown. Comments from citizens of the United States of America on IEC drafts should be sent to Charles T. Zegers at czegers@ansi.org. Comments from Americans on ISO drafts should be sent to Karen Hughes at isot@ansi.org. The final date for offering comments is listed for each draft. The prices (if shown) are for ANSI's eStandards Store.

ISO 7010/CD Amd168, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 1: Safety sign W037: Warning; Remote operator controlled machine - 16 April 2013, \$58.00

ISO 7010/CD Amd169, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 1: Safety sign P009: No climbing for unauthorized people - 16 April 2013, \$58.00

ISO 7010/CD Amd170, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 1: Safety sign M047: Use self-contained breathing appliance - 16 April 2013, \$58.00

ISO 7010/CD Amd171, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 1: Safety sign M046: Secure gas cylinders - 16 April 2013, \$58.00

ISO 7010/CD Amd173, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 1: Safety sign E035: Liferaft knife - 16 April 2013, \$58.00

ISO 7010/CD Amd174, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 1: Safety sign E059: Escape ladder - 16 April 2013, \$58.00

ISO 7010/CD Amd175, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 1: Safety sign E060: Evacuation chair - 16 April 2013, \$58.00

ISO 7010/CD Amd176, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 1: Safety sign M048: Use gas detector - 16 April 2013, \$58.00

ISO 7010/CD Amd177, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 1: Safety sign M049: Wear protective roller sport equipment - 16 April 2013, \$58.00

ISO 7010/CD Amd178, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 1: Safety sign P039: Hot works prohibited - 16 April 2013, \$58.00

ISO/DIS 17217-1, Traditional Chinese medicine - Ginseng seeds and seedlings - Part 1: Panax ginseng CA Meyer - 6 May 2013
ISO/IEC JTC 1, Information Technology

ISO/IEC 14496-12/DAMd1, Information technology - Coding of audiovisual objects - Part 12: ISO base media file format - Amendment 1: Various enhancements including support for large metadata - 9 May 2013

ISO/IEC 14496-26/DAMd3, Information technology - Coding of audiovisual objects - Part 26: Audio conformance - Amendment 3: Conformance for Low Delay AAC v2 profile - 9 May 2013

ISO/IEC CD 24759, Information technology - Security techniques - Test requirements for cryptographic modules - 5 May 2013, \$165.00

ISO/IEC DIS 29121, Information technology - Digitally recorded media for information interchange and storage - Data migration method for DVD-R, DVD-RW, DVD-RAM, +R, and +RW disks - 30 April 2013, \$67.00

New ANS Projects

ANSI has announced the following new projects that might materially affect *Standards News* readers—or at least be interesting to them. Please contact the person listed if you are interested in more information or in becoming involved. You also may contact the developer if you object to the project and wish it to be abandoned, or if you would like to point out that its scope is covered by an existing standard, so the project might be redundant or conflicting.

INCITS/ISO 19117-201x, Geographic information -- Portrayal (identical national adoption of ISO 19117:2012 and revision of INCITS/ISO 19117-2005 (R2010))
ISO 19117:2012 specifies a conceptual schema for describing symbols, portrayal functions that map geospatial features to symbols, and the collection of symbols and portrayal functions into portrayal catalogues. This conceptual schema can be used in the design of portrayal systems. It allows feature data to be separate from portrayal data, permitting data to be portrayed in a dataset independent manner.
Contact: Barbara Bennett, bbennett@itic.org

INCITS/ISO/IEC 21118:2012, Information technology - Office equipment - Information to be included in specification sheets - Data projectors (identical national adoption of ISO/IEC 21118:2012 and revision of INCITS/ISO/IEC 21118-2008)
ISO/IEC 21118:2012 specifies the information to be included in the specification sheets for front-projection-type data projectors and the form of specification sheets. It is also applicable to data projectors that have a video signal input port as well as a computer signal input port. It is not applicable to units for a rear screen projection or with a video input terminal alone.
Contact: Barbara Bennett, bbennett@itic.org

INCITS/ISO/IEC 29500-1:2012, Information technology -- Document description and processing languages -- Office Open XML File Formats -- Part 1: Fundamentals and Markup Language Reference (identical national adoption of ISO/IEC 29500-1:2012 and revision of INCITS/ISO/IEC 29500-1-2009)
ISO/IEC 29500-1:2012 defines a set of XML vocabularies for representing word-processing documents,

spreadsheets and presentations, based on the Microsoft Office 2008 applications. It specifies requirements for Office Open XML consumers and producers that comply to the strict conformance category.
Contact: Barbara Bennett, bbennett@itic.org

INCITS/ISO/IEC 29500-2-201x, Information technology -- Document description and processing languages -- Office Open XML File Formats -- Part 2: Open Packaging Conventions (identical national adoption of ISO/IEC 29500-2:2012 and revision of INCITS/ISO/IEC 29500-2-2009)
Open XML documents to define the structure and functionality of a package in terms of a package model and a physical model.
Contact: Barbara Bennett, bbennett@itic.org

INCITS/ISO/IEC 29500-3-201x, Information technology -- Document description and processing languages -- Office Open XML File Formats -- Part 3: Markup Compatibility and Extensibility (identical national adoption of ISO/IEC 29500-3:2012 and revision of INCITS/ISO/IEC 29500-3-2009)
ISO/IEC 29500-3:2012 describes a set of conventions that are used by Office Open XML documents to clearly mark elements and attributes introduced by future versions or extensions of Office Open XML documents, while providing a method by which consumers can obtain a baseline version of the Office Open XML document (a version without extensions) for interoperability.
Contact: Barbara Bennett, bbennett@itic.org

INCITS/ISO/IEC 29500-4-201x, Information technology -- Document description and processing languages -- Office Open XML File Formats -- Part 4: Transitional Migration Features (identical national adoption of ISO/IEC 29500-4:2012 and revision of INCITS/ISO/IEC 29500-4-2009)
ISO/IEC 29500-4:2012 defines features for backward-compatibility and that are useful for high-quality migration of existing binary documents to ISO/IEC 29500. These features are used only by documents of conformance class WML Transitional, SML Transitional, or PML Transitional.
Contact: Barbara Bennett, bbennett@itic.org

Final Actions on American National Standards

The actions noted below have been approved by the ANSI Board of Standards Review or by an ANSI-Audited Designator. Final actions can include withdrawals as well as the adoption of new standards and the revision or reaffirmation of existing standards.

ANSI ATIS 0600333-2013, Grounding and Bonding of Telecommunications Equipment (revision and redesignation of ANSI ATIS 0300333-2007): 29 January 2013

ANSI ATIS 0600333-2013, Grounding and Bonding of Telecommunications Equipment (revision and redesignation of ANSI ATIS 0300333-2007): 29 January 2013

ANSI/TA-STD-0017-2013, Product Support Analysis (new standard): 30 January 2013

Newly Published IEC & ISO Documents

Listed here are documents recently approved by the International Electrotechnical Commission and the International Organization for Standardization. The prices shown are those if purchased from the ANSI Electronic Standards Store at <http://webstore.ansi.org/>. The prices might be lower or higher with other vendors.

IEC 60050-161 Amd.1 Ed. 1.0 t:1997, Amendment 1 - International Electrotechnical Vocabulary. Chapter 161: Electromagnetic compatibility, \$55.00

IEC 60050-161 Ed. 1.0 t:1990, International Electrotechnical Vocabulary. Chapter 161: Electromagnetic compatibility, \$227.00

IEC 60050-191 Ed. 1.0 t:1990, International Electrotechnical Vocabulary. Chapter 191: Dependability and quality of service, \$337.00

IEC 60050-221 Amd.1 Ed. 1.0 t:1993, Amendment 1 - International Electrotechnical Vocabulary. Chapter 221: Magnetic materials and components, \$24.00

IEC 60050-221 Ed. 1.0 t:1990, International Electrotechnical Vocabulary. Chapter 221: Magnetic materials and components, \$257.00

IEC 60050-421 Ed. 1.0 t:1990, International Electrotechnical Vocabulary. Chapter 421: Power transformers and reactors, \$205.00

IEC 60050-431 Ed. 1.0 t:1980, International Electrotechnical Vocabulary. Transducers, \$68.00

IEC 60050-436 Ed. 1.0 t:1990, International Electrotechnical Vocabulary. Chapter 436: Power capacitors, \$92.00

IEC 60050-541 Ed. 1.0 t:1990, International Electrotechnical Vocabulary. Chapter 541: Printed circuits, \$79.00

IEC 60115-8 Ed. 2.0 b:2009, Fixed resistors for use in electronic equipment - Part 8: Sectional specification - Fixed surface mount resistors, \$257.00

IEC 60191-6-3 Ed. 1.0 b:2000, Mechanical standardization of semiconductor devices - Part 6-3: General rules for the preparation of outline drawings of surface mounted semiconductor device packages - Measuring methods for package dimensions of quad flat packs (QFP), \$104.00

IEC 60191-6-6 Ed. 1.0 b:2001, Mechanical standardization of semiconductor devices - Part 6-6: General rules for the preparation of outline drawings of surface mounted semiconductor device packages - Design guide for fine pitch land grid array (FLGA), \$74.00

IEC 60191-6-8 Ed. 1.0 b:2001, Mechanical standardization of semiconductor devices - Part 6-8: General rules for the preparation of outline drawings of surface mounted semiconductor device packages - Design guide for glass sealed ceramic quad flatpack (GQFP), \$62.00

IEC 60384-17 Ed. 2.0 b:2005, Fixed capacitors for use in electronic equipment - Part 17: Sectional specification: Fixed metallized polypropylene film dielectric a.c. and pulse capacitors, \$205.00

IEC 61124 Ed. 3.0 b cor.1:2013, Corrigendum 1 - Reliability testing - Compliance tests for constant failure rate and constant failure intensity, \$0.00

IEC 61800-5-2 Ed. 1.0 b:2007, Adjustable speed electrical power drive systems - Part 5-2: Safety requirements - Functional, \$337.00

IEC 61800-7-1 Ed. 1.0 b:2007, Adjustable speed electrical power drive systems - Part 7-1: Generic interface and use of profiles for power drive systems - Interface definition, \$372.00

IEC 62433-2 Ed. 1.0 b:2008, EMC IC modelling - Part 2: Models of integrated circuits for EMI behavioural simulation - Conducted emissions modelling (ICEM-CE), \$257.00

ISO/IEC 17963:2013, Web Services for Management (WSManagement) Specification, \$285.00

TSP Meeting Schedule

The Stage Lifts Working Group normally meets by Webex on the second Monday of each month. For more information, contact Kurt Pragman at Kurt@pragmanassociates.com.

The meetings shown below are scheduled to be held at the Hyatt Regency Milwaukee in conjunction with the USITT Conference and Stage Expo:

Control Protocols Working Group	09:00 - 13:00	Thursday, 21 March 2013
Electrical Power Working Group	09:00 - noon	Wednesday, 20 March 2013
Floors Working Group	08:00 - 11:00	Saturday, 23 March 2013
Followspot Position Working Group	09:00 - 10:00	Friday, 22 March 2013
Rigging Working Group	19:00 - 23:00	Friday, 22 March 2013
Rigging BSR E1.43 Task Group	19:00 - 21:00	Wednesday 20 March 2013
	09:00 - 13:00	Thursday, 21 March 2013
Rigging Glossary Task Group	19:00 - 23:00	Thursday, 21 March 2013
Technical Standards Council	13:00 - 17:00	Wednesday, 20 March 2013

Reserve a hotel room for the March meetings at <http://plasa.me/etdnm>.

The July Dallas meetings will be held in August in Westlake, Texas. The schedule is posted on the PLASA website at <http://tsp.plasa.org/tsp/meetings/index.php>.

PLASA Standards News

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