

PLASA Standards News

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ANSI Reaffirms ANSI E1.15

On Tuesday 6 December 2011, the ANSI Board of Standards Review approved the reaffirmation of ANSI E1.15-2006, giving us ANSI E1.15-2006 (R2011), *Entertainment Technology—Recommended Practices and Guidelines for the Assembly and Use of Theatrical Boom & Base Assemblies*. ANSI E1.15 gives advice on boom and base assemblies, which are simple ground-support devices for lighting equipment and accessories. If the assembly is too tall, not plumb, loaded unevenly, or likely to get run into by stage wagons or performers, there is substantial risk. This document offers advice to lower that level of risk or eliminate it.

Publication is expected in a few weeks. The new edition will not be substantively different from the old edition, since it is a reaffirmation of the existing standard.

DOE Releases New Version of EnergyPlus Modeling Software

The U.S. Department of Energy has released the latest version of its building energy modeling software EnergyPlus, which calculates the energy required to heat, cool, ventilate, and light a building. EnergyPlus is used by architects and engineers to design more efficient buildings, by researchers to investigate new building and system designs, and by policymakers to develop energy codes and standards. The advanced physics calculations within EnergyPlus allows it to model a wide range of residential and commercial buildings and HVAC system types, including passive building designs and low-energy systems. EnergyPlus v7.0 features many enhancements including 25%-40% faster execution speeds, improved modeling of ventilation rate procedures based on ASHRAE 62.1, and a new thermal comfort report, both based on ASHRAE Standard 55.1.

EnergyPlus v7.0 is available free of charge for Windows, Mac OS, and Linux. Download the latest version at <http://apps1.eere.energy.gov/buildings/energyplus/>.

CANENA Webinar in January

Valara Davis, Project Manager in the Standards Department, UL will lead the next Standards Engineering Society webinar, which will be about the Council for Harmonization of Electrotechnical Standards of the Nations of the Americas (CANENA). The webinar will be held 18 January 2012 from 13:00 to 14:30 ET, and will be free of charge. Visit <http://www.ses-standards.org/cde.cfm?event=368565> to register.

40 Gb Modular Interfaces Plugfest

The Ethernet Alliance HS Modular IO Subcommittee will host an interoperability test event the week of 26 March 2012 in Durham, NH at the University of New Hampshire Interoperability Lab (UNH-IOL). Ethernet Alliance members and non-members are invited to participate in this test event that will include interoperability testing of components and systems designed to be compliant to various 40 Gb modular interfaces including but not limited to QSFP+ CR, SR, and LR cabling devices.

The "Restricted Use Non-Disclosure Agreement" for this event is at http://www.ethernetalliance.org/wp-content/uploads/2011/10/Ethernet_Alliance_NDA_2012.doc and is required to take part in the event. Completed and signed NDAs can be submitted to admin@ethernetalliance.org and are due on 27 January 2012.

WTO Notifications

The U.S. Department of Commerce's web-based e-mail subscription service, Notify U.S., recently has announced a notification of a WTO Technical Barriers to Trade that may be of interest to *Standards News* readers.

New Zealand Notification NZL/58

Date issued: 14 December 2011

Agency responsible: Ministry of Economic Development (MED)

National inquiry point: Standards New Zealand

Products covered: Information technology equipment (HS 8471)

Title: Draft Standard DR5813.1 Information technology equipment - Energy performance of computers Part 1: Methods of Measurement Draft Standard DR5813.2 Information Technology Equipment - Energy Performance of Computers Part 2: Minimum Energy Performance Standards (MEPS) for Computers Draft Standard DR5815.1 Information Technology Equipment - Energy Performance of Computer Monitors Part 1: Methods of Measurement Draft Standard DR5815.2 Information Technology Equipment - Energy Performance of Computer Monitors Part 2: Minimum Energy Performance Standards (MEPS)

Description of content: These are draft Australia/New Zealand Standards proposed for reference in Australian and New Zealand legislation calling up minimum energy performance standards (MEPS) for computers and computer monitors with effect from October 2012, and also for reference in Australian and New Zealand legislation calling up mandatory energy performance labeling with effect from April 2013. New Zealand consulted domestically on the policy case for introducing these products into New Zealand Regulation in November 2011. The Government of New Zealand intends to incorporate these Standards into New Zealand's Energy Efficiency (Energy Using Products) Regulations 2002.

The public comment drafts of these Standards can be viewed on the Standards New Zealand website at the above addresses. The closing dates for comments stated in the draft Standards is for domestic comment only, and can be ignored for the purposes of this notification.

Comments received in relation to this Notification will be considered alongside the outcomes of consultation with local industry and before final recommendations are put to the New Zealand Cabinet for decision.

Objective and rationale: 1) Alignment of standards and regulation with New Zealand's major trading partner, Australia, to honor commitments under the trans-Tasman Mutual Recognition Arrangement and Closer Economic Relations agreement.

2) Protection of the environment, via:

- a) Ensuring improvements in product technologies available on the New Zealand market, which will lead to increased productivity growth and lower energy costs;
- b) Ensuring that consumers are better informed about energy-using products so that they can make informed choices that reduce their overall energy costs;
- c) Contributing to the New Zealand Government's energy efficiency target for New Zealand to continue to achieve a rate of energy intensity improvement of 1.3 per cent per annum, as stated in the New Zealand Energy Efficiency and Conservation Strategy published in 2011;
- d) Contributing to a target of 50% reduction in New Zealand greenhouse gas emissions from 1990 levels by 2050.

Relevant documents: The relevant regulations are the Equipment Energy Efficiency (Energy Using Products) Regulations 2002. These regulations will be amended to incorporate the revised Standards. The current version of the Regulations can be viewed at

http://www.legislation.govt.nz/regulation/public/2002/0009/latest/DLM108730.html?search=ts_regulation_energy+efficiency_rese&p=1&sr=1. An assessment of the proposal, objectives, benefits and costs for the New Zealand market is available at <http://www.eeca.govt.nz/node/6190>.

The standards will be jointly published in Australia and New Zealand on a date to be determined. Publication will occur before the Standards are due to come into force under Australian and New Zealand Regulation.

The standards will come into force in New Zealand Regulation on 1 October 2012 (minimum energy performance standards for computers and computer monitors) and 1 April 2013 (mandatory energy performance labeling for computer monitors).

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 14 February 2012

Full text in four parts:

[https://tsapps.nist.gov/notifyus/docs/wto_country/NZL/full_text/pdf/NZL58\[1\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/NZL/full_text/pdf/NZL58[1](english).pdf)

[https://tsapps.nist.gov/notifyus/docs/wto_country/NZL/full_text/pdf/NZL58\[2\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/NZL/full_text/pdf/NZL58[2](english).pdf)

[https://tsapps.nist.gov/notifyus/docs/wto_country/NZL/full_text/pdf/NZL58\[3\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/NZL/full_text/pdf/NZL58[3](english).pdf)

[https://tsapps.nist.gov/notifyus/docs/wto_country/NZL/full_text/pdf/NZL58\[4\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/NZL/full_text/pdf/NZL58[4](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.

Notify U.S. does not offer advice on what non-US businesses should do about WTO TBT notices that they find objectionable. However, every nation that participates in sharing these WTO TBT notices has some means for their constituents to file objections. If you are not a US citizen and have an objection, please find out what your nation's procedure is--you'll need to know it to file an objection--and tell the editors of *Standards News* so we can tell other readers.

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 30 January 2012

BSR/ASAE EP576.2 MONYEAR-201x, Lighting and Marking of Animal-Drawn Equipment (revision and redesignation of ANSI/ASAE EP576.1-2008)

Establishes a unique identification system for slow-moving animal-drawn vehicles on public roadways or highways. This standard is intended that this identification system be used to complement existing laws, rules and regulations in individual states, provinces, and municipalities. It is recognized that this recommended practice can be a cultural or religious issue and is not intended to devalue or replace those values. It is intended to provide options to those who would like to add or enhance lighting and marking of their animal-powered vehicles in the form of a voluntary consensus standard.

Order from and send comments to: Carla VanGilder, vangilder@asabe.org

Single copy price: \$52.00

BSR/AWS C7.1M/C7.1-201x, Recommended Practices for Electron Beam Welding (revision of ANSI/AWS C7.2M-2010)

Presents recommended practices for electron beam welding. It is intended to cover common applications of the process. Processes definitions, safe practices, general process requirements, and inspection criteria are provided.

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

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

Single copy price: \$91.00

BSR/MHI ICWM-201x, The ICWM Performance Standard for Casters and Wheels (revision of ANSI/MHI ICWM-2004)

Provides a common basis for evaluating the safety, durability, structural adequacy, and technical requirements for category specific casters and wheels, including Industrial Casters. Defines industry terms, specific tests, equipment/methods that can be used, conditions of tests, and minimum acceptance levels used in evaluation. These acceptance levels are based on field and test experiences.

Order from and send comments to: Michael Ogle, mogle@mhia.org

Single copy price: \$5.00

Due 31 January 2012

BSR/ASSE Z359.4-201x, Safety Requirements for Assisted-Rescue and Self-Rescue Systems, Subsystems and Components (revision of ANSI/ASSE Z359.4-2007)

Establishes requirements for the performance, design, marking, qualification, instruction, training, use, maintenance, and removal from service of connectors, harnesses, lanyards, anchorage connectors, winches/hoists, descent control devices, rope tackle blocks, and self-retracting lanyards with integral rescue capability comprising rescue systems, used in preplanned self-rescue and assisted-rescue applications for one to two persons.

Order from and send comments to: Timothy Fisher, TFisher@ASSE.org

Single copy price: \$80.00

Due 7 February 2012

BSR/ASSE Z359.0-201x, Definitions and Nomenclature Used for Fall Protection and Fall Arrest (revision of ANSI/ASSE Z359.0-2009)

Establishes the definitions and nomenclature used for fall arrest and fall protection.

Order from and send comments to: Timothy Fisher, TFisher@ASSE.org

Single copy price: Free

IEC and ISO Draft International Standards

The International Electrotechnical Commission (IEC) and the International Organization for Standardization (ISO) are considering the following documents for approval. 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. Price, when shown, is for purchasing the draft document from ANSI's standards store.

ISO/IEC DIS 21118, Information technology - Office equipment - Information to be included in specification sheets - Data projectors - 3/3/2012, \$67.00

ISO/IEC CD 17963, Web Services for Management (WSManagement) Specification - 3/8/2012, FREE

New ANS Projects

ANSI has announced the following new projects that might affect the business of *Standards News* readers. 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.

BSR INCITS 468-2010/AM1-201x, Information technology – MultiMedia Command Set - 6 - Amendment 1 (MMC-6/AM1) (supplement to ANSI INCITS 468-2010)

Corrects defects in MMC-6 (ANSI INCITS 468-2010). Contact: Barbara Bennett, bbennett@itic.org

BSR/ASME A17.7/CSA B44.7-2006, Performance Based Safety Code for Elevators and Escalators

(revision of ANSI/ASME A17.7/CSA B44.7-2006)

Covers design, construction, operation, inspection, testing, maintenance, alteration, and repair of elevators, escalators and related conveyances. A17.7 is specifically intended for new elevator technology and practices and provides a structured method for establishing the safety of designs and products. Contact: Mayra Santiago, ANSIBox@asme.org

BSR/ASME Y14.24M-201x, Types and Applications of Engineering Drawings (revision of ANSI/ASME Y14.24M-1999 (R2009))

Defines the types of engineering drawings most frequently used to establish engineering requirements. This standard describes typical applications and minimum content requirements. Drawings for specialized engineering disciplines, e.g., marine, civil, construction, optics, etc., are not included in this standard.

Contact: Mayra Santiago, ANSIBox@asme.org

BSR/ESD S8.1-201x, Protection of Electrostatic Discharge Susceptible Items - Symbols (revision of ANSI/ESD S8.1-2003 (R2008))

Covers three symbols. The first indicates that an electrical or electronic device or assembly is susceptible to damage from an ESD event if not properly handled. The second indicates that the material or product on which the symbol is displayed provides protection to ESD susceptible devices or assemblies. The third indicates the location of an ESD common point ground. The application of these ESD symbols on products does not constitute or imply product performance. Contact: Christina Earl, cearl@esda.org

BSR/NECA/IESNA 500-201x, Standard for Installing Indoor Commercial Lighting Systems (revision of ANSI/NECA/IESNA 500 -2006)

Describes installation procedures for lighting systems commonly used in commercial and retail buildings, including but not limited to the following: (1) Recessed lighting systems such as troffers, downlights, wallwashers, valance lights, and accent lights; (2) Ceiling surface-mounted lighting systems such as surface troffers, wraparounds, surface downlights, monopoints, and decorative fixtures; (3) Ceiling-suspended lighting systems such as pendant luminaires, warehouse or industrial luminaires, upright systems, or decorative luminaires; (4) Wall-mounted lighting systems, such as sconces or wallpacks; and (5) Track lighting systems. Contact: Michael Johnston, am2@necanet.org

BSR/TIA 4966-201x, Telecommunications - Infrastructure Standard for Educational Buildings and Spaces (new standard)

Specifies telecommunications infrastructure requirements for educational buildings and spaces. This standard specifies cabling, cabling topologies, and cabling distances - all of which are intended to support a wide range of services and systems. Additionally, pathways and spaces (e.g. sizing and location), and ancillary requirements are addressed. Contact: Teesha Jenkins, standards@tiaonline.org

BSR/UL 8752-201x, Standard for Safety for Organic Light Emitting Diode (LED) Panels (new standard)

Applies to organic lighting emitting diode (OLED) panels intended for portable or permanent installation in accordance with the National Electrical Code (NEC), ANSI/NFPA 70. Contact: Heather Sakellariou, Heather.Sakellariou@ul.com

BSR/UL 879A-201x, LED Sign and Sign Retrofit Kits (new standard)

Covers LED (light emitting diode) kits intended for field installation to retrofit signs already installed in the field and LED kits intended for installation in new signs. These LED kits are intended to replace all of the electrical components related to a type of illumination in a sign. Contact: Megan VanHeirseele, Megan.M.VanHeirseele@ul.com

Newly Published ISO & IEC Standards

Listed here are standards and technical reports recently approved by ISO (the International Organization for Standardization) and the IEC (the International Electrotechnical Commission). The prices shown are those if purchased from the ANSI Electronic Standards Store at <http://webstore.ansi.org/>. The prices may be lower or higher from other vendors.

IEC 61158-3-12 Ed. 2.0 b:2010, Industrial communication networks - Fieldbus specifications - Part 3-12: Data-link layer service definition - Type 12 elements, \$179.00

IEC 61969-1 Ed. 2.0 b:2011, Mechanical structures for electronic equipment - Outdoor enclosures - Part 1: Design guidelines, \$56.00

IEC 61969-2 Ed. 2.0 b:2011, Mechanical structures for electronic equipment - Outdoor enclosures - Part 2: Coordination dimensions, \$41.00

IEC 61969-3 Ed. 2.0 b:2011, Mechanical structures for electronic equipment - Outdoor enclosures - Part 3: Environmental requirements, tests and safety aspects, \$61.00

IEC 62305-2 Ed. 2.0 b:2010, Protection against lightning - Part 2: Risk management, \$250.00

IEC 62305-SER Ed. 2.0 en:2011, Protection against lightning – ALL PARTS, \$880.00

IEC 62561-7 Ed. 1.0 b:2011, Lightning protection system components (LPSC) - Part 7: Requirements for earthing enhancing compounds, \$77.00

IEC 62601 Ed. 1.0 en:2011, Industrial communication networks - Fieldbus specifications - WIA-PA communication network and communication profile, \$286.00

ISO 20242-3:2011, Industrial automation systems and integration - Service interface for testing applications - Part 3: Virtual device service interface, \$157.00

ISO 20242-4:2011, Industrial automation systems and integration - Service interface for testing applications - Part 4: Device capability profile template, \$180.00

ISO 26428-11:2011, Digital cinema (D-cinema) distribution master - Part 11: Additional frame rates, \$49.00

ISO 26428-19:2011, Digital cinema (D-cinema) distribution master - Part 19: Serial digital interface signal formatting for additional frame rates level AFR2 and level AFR4, \$65.00

ISO/IEC 14143-1/Cor1:2011, Information technology – Software measurement - Functional size measurement - Part 1: Definition of concepts - Corrigendum 1, FREE

ISO/IEC 14496-16/Amd1:2011, Information technology - Coding of audio-visual objects - Part 16: Animation Framework eXtension (AFX) - Amendment 1: Efficient representation of 3D meshes with multiple attributes, \$16.00

ISO/IEC 14496-27/Amd3:2011, Information technology - Coding of audio-visual objects - Part 27: 3D Graphics conformance - Amendment 3: Scalable complexity 3D mesh coding conformance in 3DGCM, \$16.00

ISO/IEC 14496-5/Amd26:2011, Reference software for scalable complexity 3D mesh coding in 3DG compression model, \$16.00

ISO/IEC 14496-5/Amd30:2011, ExtendedCore2D reference software, \$16.00

ISO/IEC 15149:2011, Information technology – Telecommunications and information exchange between systems - Magnetic field area network (MFAN), \$141.00

ISO/IEC 17417:2011, Information technology – Telecommunications and information exchange between systems - Short Distance Visible Light Communication (SDVLC), \$116.00

ISO/IEC 19788-3:2011, Information technology - Learning, education and training - Metadata for learning resources - Part 3: Basic application profile, \$116.00

ISO/IEC 26300/Cor2:2011, Corrigendum 2 - Information technology - Open Document Format for Office Applications (OpenDocument) v1.0, FREE

ISO/IEC 29155-1:2011, Systems and software engineering - Information technology project performance benchmarking framework - Part 1: Concepts and definitions, \$80.00

ISO/IEC 9899:2011, Information technology - Programming languages - C, \$335.00

ISO/PAS 14306:2011, Industrial automation systems and integration - JT file format specification for 3D visualization, \$307.00

ISO/TS 10303-26:2011, Industrial automation systems - Product data representation and exchange - Part 26: Implementation methods: Binary representation of EXPRESS-driven data, \$49.00

ISO/TS 14649-201:2011, Industrial automation systems and integration - Physical device control - Data model for computerized numerical controllers - Part 201: Machine tool data for cutting processes, \$167.00

ISO/TS 8000-1:2011, Data quality - Part 1: Overview, \$37.00

ISO/TS 8000-150:2011, Data quality - Part 150: Master data: Quality management framework, \$110.00

TSP Meeting Schedule

The Stage Lifts Working Group is scheduled to meet by Webex from 15:00 to 18:00 Eastern Time on the second Monday of every month. For more information, contact Martin Moore at martinmoore2010@gmail.com.

The meetings listed in the table immediately below will be held at the Marriott Solana in Westlake, TX. Visit <http://plasa.me/cssmp> to reserve a hotel room. **The deadline for reservations is January 6.**

Control Protocols RDM Plugfest	16:00 – 23:00	Friday 27 January 2012
	09:00 – 23:00	Saturday 28 January 2012
	09:00 - 23:00	Sunday 29 January 2012
Control Protocols BSR E1.33/E1.37 Mo' RDM TG	13:00 - 18:00	Saturday 28 January 2012
	13:00 - 18:00	Sunday 29 January 2012
Control Protocols Working Group	09:00 - 13:00	Monday 30 January 2012
Electrical Power Working Group	09:00 - noon	Sunday 29 January 2012
Fog & Smoke Working Group	19:00 - 23:00	Sunday 29 January 2012
Photometrics Working Group	14:00 - 18:00	Monday 30 January 2012
Rigging BSR E1.6-1 Powered Winch TG	13:00 -22:00	Friday 27 January 2012
	09:00 - 22:00	Saturday 28 January 2012
	09:00 - 13:00	Sunday 29 January 2012
Rigging BSR E1.43 Performer Flying TG	19:00 - 23:00	Friday 27 January 2012
	08:00 - noon	Saturday 28 January 2012
Rigging BSR E1.44 Show File TG	09:00 - 13:00	Sunday 29 January 2012
Rigging Working Group	13:00 - 18:00	Saturday 28 January 2012
Technical Standards Council	09:00 - 13:00	Tuesday 31 January 2012
Working Group Chairs	14:00 - 18:00	Sunday 29 January 2012

The meetings shown in the table immediately below will be held at the Hyatt Regency Long Beach in conjunction with the USITT Conference and Stage Expo. Note that the Rigging Working Group meeting has been rescheduled to a day different from the one originally announced.

Control Protocols BSR E1.33 Mo RDM TG	13:00 - 18:00	Thursday 29 March 2012
Control Protocols Working Group	09:00 - 13:00	Thursday 29 March 2012
Electrical Power Working Group	09:00 - noon	Wednesday 28 March 2012
Floors Working Group	08:00 - 11:00	Saturday 31 March 2012
Rigging Working Group	19:00 - 23:00	Friday 30 March 2012
Rigging BSR E1.6-1 Powered Winch TG	09:00 - 17:00	Wednesday 28 March 2012
Rigging BSR E1.6-2 Chain Hoist TG	08:30 - 11:00	Friday 30 March 2012
Rigging BSR E1.43 Performer Flying TG	19:00 - 23:00	Wednesday 28 March 2012
	09:00 - 13:00	Thursday 29 March 2012
Technical Standards Council	13:00 - 17:00	Wednesday 28 March 2012

The meetings listed in the table immediately below will be held at the Hilton New York in New York, NY in conjunction with the NATEAC conference.

Control Protocols Working Group	09:00 – 13:00	Saturday 21 July 2012
Rigging Working Group	13:00 – 18:00	Thursday 19 July 2012
Technical Standards Council	09:00 – 13:00	Friday, 20 July 2012

PLASA Standards News

is distributed as a benefit to PLASA members and as a project announcement medium for PLASA Technical Standards Program participants.

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