

## One TSP Draft Standard in Review

**BSR E1.6-2 - 200x, Entertainment Technology - Serial Manufactured Electric Chain Hoists**, is a continuation of the BSR E1.6 powered rigging system project, which has been split into parts dealing with different aspects of powered rigging systems and their use. This document, BSR E1.6-2, covers the design, inspection, and maintenance of serially manufactured electric chain hoists having capacities of two tons or less and used in the entertainment industry as part of a performance or in preparation for a performance. The review for this document ends at the end of the day, August 27 UTC, and can be accessed and downloaded for free at [http://www.esta.org/tsp/documents/public\\_review\\_docs.php](http://www.esta.org/tsp/documents/public_review_docs.php).

In addition to being asked to review the document to see if it offers adequate and correct advice, reviewers are asked to look for protected intellectual property in the draft standard. ESTA does not warrant that its standards contain no protected intellectual property, but it also does not intend to adopt any standard that requires the use of protected intellectual property, unless that property is necessary for technical reasons and can be licensed and used by anyone without prejudice for a reasonable fee. Any protected intellectual property in the document should be pointed out in the public review comments.

## ANSI E1.11-2004 Revision Project Started

The Controls Protocols Working Group has started work to revise ANSI E1.11-2004, Entertainment Technology—USITT DMX512-A, Asynchronous Serial Digital Data Transmission Standard for Controlling Lighting Equipment and Accessories. The work at this time is focused on correcting errors in the published standard and rewriting difficult sections of text that have been shown to be confusing to readers who do not have American English as their native language. Most of the errors are clearly typographical or cut and paste errors, but correcting them may be considered making substantive changes to the document.

This project is being announced so that parties who might be affected can comment or become involved if they wish. Therefore, any parties who would be materially affected by the revision of this standard are invited to join the Control Protocols Working Group to work on the revision this standard. The Control Protocols Working Group would have a better balance of interests if it gained members in the dealer/rental company and user interest categories. Information about joining working groups and a link to the working group membership application form are available at [http://www.esta.org/tsp/working\\_groups/index.html](http://www.esta.org/tsp/working_groups/index.html). Also, anybody who wishes to comment on this reaffirmation or to object to the reaffirmation of this standard, because it is unnecessary or because it conflicts with another American National Standard, are invited to send their comments or objections in writing to the Technical Standards Manager at <mailto:standards@esta.org>. The deadline for comments is 30 days after the publication of the Project Initiation Notification in *ANSI's Standards Action*, which would be 23 September if the publication is in the 24 August issue, as expected.

## Black Marks for White Space Devices

On 31 July the Federal Communications Commission released two reports about tests of unlicensed, low-power devices that are supposed to identify unused parts of the TV broadcast spectrum and then use

these "white spaces" for communications. The public notice about the release of the reports is available at [http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/DA-07-3457A1.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-07-3457A1.pdf). The two reports, "Initial Evaluation of the Performance of Prototype TV-Band White Space Devices," and "Direct-Pickup Interference Tests of Three Consumer Digital Cable Television Receivers Available in 2005," are available at [http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/DOC-275666A1.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-275666A1.pdf) and [http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/DOC-275666A2.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-275666A2.pdf) respectively. Appendices A & B of the prototype devices report are available at [http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/DOC-275666A2.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-275666A2.pdf). The devices were tested with NTSC and digital TV signals and with wireless microphones. They were found to be unable to consistently detect TV broadcast or wireless microphone signals. The tests also found that the transmitters in the prototype devices are capable of causing interference to TV reception and wireless microphone use.

It's not over. "The Commission is committed to working with interested parties to continue the process of investigating the potential performance capabilities of TV white space devices," says the FCC public notice. The FCC has asked interested parties to file comments on the reports no later than 15 August 2007, with reply comments due no later than 27 August 2007. All filings should reference ET Docket No. 04-186. Comments may be filed electronically at <http://www.fcc.gov/cgb/ecfs/> or at <http://www.regulations.gov>.

Shure's press release, "Shure Says White Space Devices 'Not Ready For Prime Time'," on the results of the FCC tests is available at [http://www.shure.com/ProAudio/PressRoom/PressReleaseArchive/2007PressReleases/us\\_pro\\_pr\\_2007\\_ws\\_fcc\\_test](http://www.shure.com/ProAudio/PressRoom/PressReleaseArchive/2007PressReleases/us_pro_pr_2007_ws_fcc_test). The title says it all.

## **802.11n: Strong and Pervasive Interference**

The IEEE's 802.11 working group concluded its plenary meeting, held July 16th-20th at the Hyatt Regency in San Francisco. Reports in the press coming out of that meeting suggest that there may be problems for legacy WiFi equipment as 802.11n equipment comes onto the market. There is no IEEE 802.11n standard, but there have been drafts published, and the Wi-Fi Alliance is now certifying products that conform to 802.11n draft 2.0. More than 40 products have been certified this summer, so 802.11n equipment is coming onto the market. The 802.11n specification is still being written and is subject to change, but it is not certain that when it is done it will allow 802.11n devices to peacefully coexist with 802.11a/b/g devices.

According to press reports from the 802.11 working group's plenary meeting, the 802.11n task group has not achieved consensus on how to mitigate interference by 802.11n devices with legacy 802.11a/b/g devices. The possible sources of this interference are two. First of all, there is the idea of allowing 802.11n devices to work in the 2.4 GHz band with 40 MHz channel operation. 802.11a/b/g devices work with 20 MHz channels, and there is only 70 MHz available for b/g services in the 2.4 GHz band, so overlapping channels is a high probability. Then there is the problem of Medium Access Control. 802.11n achieves greater range and data throughput than possible with 802.11a/b/g devices by using a different physical layer and a different Medium Access Control scheme. These changes make the collision avoidance method used with 802.11a/b/g devices fail when 802.11n devices are on the same RF band. 802.11n transmissions will be unintelligible noise to legacy devices and "strong and pervasive interference," according to Fanny Mlinarsky, writing in "Taming the Beast: 802.11n Coexistence with legacy networks," (<http://www.wirelessnetdesignline.com/howto/201201450>). Strong and pervasive interference would be a big problem for any show dependent on a WiFi network.

More information about this issue is available in Jack Shandle's article, "Progress, controversy mark IEEE 802.11 plenary meeting" available on the EETimes.com website at <http://www.eetimes.com/showArticle.jhtml?articleID=201201789>. The draft minutes of the July 802.11 plenary meeting are available at <https://mentor.ieee.org/802.11/documents>.

## OSHA Hearing Protection Advice

To reduce the risk of hearing damage and other health problems caused by overexposure to noise, OSHA suggests:

- If it is too loud to hear another voice from three feet away, do not work without hearing protection.
- When choosing hearing protectors, such as earplugs or earmuffs, select one that fits comfortably.
- Always turn off loud machinery before removing hearing protection.
- Have an annual hearing test if you are regularly exposed to loud noise.

OSHA has two safety and health topics pages for employers and employees to use as resources in protecting their hearing. A general index at <http://www.osha.gov/SLTC/noisehearingconservation/index.html> contains links to information on how to prevent hearing hazards in the workplace. A separate page at <http://www.osha.gov/SLTC/constructionnoise/index.html> covers hearing hazards specific to the construction industry.

## WTO Notifications

In the last issue of *Standards Watch*, three WTO notifications from Uganda were listed that might be of interest to *Standards Watch* readers. At that time, the texts of the new standards that might be technical barriers to trade were not available. Now the full texts for the standards referenced in UGA/6 and UGA/10 are available, and a document has been produced for UGA/4 that lists the relevant IEC standards, compliance with which the Uganda government is making compulsory. Some of these documents are relevant to the business interests of *Standards Watch* readers. Some are not.

### Uganda Notification UGA/4

**Date issued:** 5 July 2007

**Agency responsible:** Uganda National Bureau of Standards (UNBS)

**National inquiry point:** Uganda National Bureau of Standards (UNBS)

**Products covered:** Power supplies

**Title:** Legal Supplement to the Uganda Gazette, Vol. C, No. 74, 29 December 2006, Section 4.7, Compulsory Uganda Standards for Stabilizers and UPS

**Description of content:** Sets the compulsory Ugandan Standards related to the performance of stabilised power supply and uninterruptible power systems.

**Objective and rationale:** Consumer protection and public safety

**Proposed date of adoption:** 30 June 2007

**Proposed date of entry into force:** Not given by country

**Final date for comments:** 5 September 2007

**Referenced IEC standards:**

- IEC 60675 Stabilized power supplies, a.c. output
- IEC 62040-1-1 Uninterruptible power systems (UPS) Part 1-1: General and safety requirements for UPS used in operator access areas
- IEC 62040-1-2 Uninterruptible power systems (UPS) Part 1-2: General and safety requirements for UPS used in restricted access locations
- IEC 62040-2 Uninterruptible power systems (UPS) Part 2: Electromagnetic compatibility (EMC) requirements
- IEC 62040-3 Uninterruptible power systems (UPS) Part 3: Method of specifying the performance and test requirements

### Uganda Notification UGA/6

**Date issued:** 5 July 2007

**Agency responsible:** Uganda National Bureau of Standards (UNBS)

**National inquiry point:** Uganda National Bureau of Standards (UNBS)

**Products covered:** Power transformers (HS 8504.21-34)

**Title:** Legal Supplement to the Uganda Gazette, Vol. C, No. 74, 29 December 2006, Section 4.8, Compulsory Ugandan Standards for power transformers

**Description of content:** Sets the compulsory standards for power transformers.

**Objective and rationale:** Protection of the public safety  
**Proposed date of adoption:** 30 June 2007  
**Proposed date of entry into force:** Not given by country  
**Final date for comments:** 5 September 2007  
**Full texts of the standards are available at:**

- [https://tsapps.nist.gov/notifyus/docs/wto\\_country/UGA/full\\_text/pdf/UGA6\[1\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/UGA/full_text/pdf/UGA6[1](english).pdf)  
This is Uganda Standard US EAS 371-1, First Edition, 2006-11-14, Power transformers — Specification — Part 1: General, which is an adoption with trivial changes of East African Standard EAS 371-1:2005, which is an adoption of IEC 60076-1, Edition 2.1, 2000-04. It's all here, 58 pages, including the IEC standard.
- [https://tsapps.nist.gov/notifyus/docs/wto\\_country/UGA/full\\_text/pdf/UGA6\[2\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/UGA/full_text/pdf/UGA6[2](english).pdf)  
This is Uganda Standard US EAS 371-2, First Edition, 2006-11-14, Power transformers — Specification — Part 2: Temperature rise, which is an adoption with trivial changes of East African Standard EAS 371-2:2005, which is an adoption of IEC 76-2, Second Edition, 1993-04. The IEC part of this 70-page document is a scan, so the file is about 2.7 megabytes.
- [https://tsapps.nist.gov/notifyus/docs/wto\\_country/UGA/full\\_text/pdf/UGA6\[3\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/UGA/full_text/pdf/UGA6[3](english).pdf)  
This is Uganda Standard US EAS 371-3, First Edition, 2006-11-14, Power transformers — Specification — Part 3: Insulation levels, dielectric tests and external clearances in air, which is an adoption with trivial changes of East African Standard EAS 371-3:2005, which is an adoption of IEC 60076-3, Second edition, 2000-03.
- [https://tsapps.nist.gov/notifyus/docs/wto\\_country/UGA/full\\_text/pdf/UGA6\[4\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/UGA/full_text/pdf/UGA6[4](english).pdf)  
This is Uganda Standard US EAS 371-4, First Edition, 2006-11-14, Power transformers — Specification — Part 4: Guide to the lightning impulse and switching impulse testing — Power transformers and reactors, which is an adoption with trivial changes of East African Standard EAS 371-4:2005, which is an adoption of IEC 60076-4, First edition, 2002-06.
- [https://tsapps.nist.gov/notifyus/docs/wto\\_country/UGA/full\\_text/pdf/UGA6\[5\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/UGA/full_text/pdf/UGA6[5](english).pdf)  
This is Uganda Standard US EAS 371-5, First Edition, 2006-11-14, Power transformers — Specification — Part 5: Ability to withstand short circuit, which is an adoption with trivial changes of East African Standard, EAS 371-5:2005, which is an adoption of IEC 60076-5, Third edition, 2006-02.

#### **Uganda Notification UGA/10**

**Date issued:** 5 July 2007

**Agency responsible:** Uganda National Bureau of Standards (UNBS)

**National inquiry point:** Uganda National Bureau of Standards (UNBS)

**Products covered:** Information technology and telecommunication

**Title:** Legal Supplement to the Uganda Gazette, Vol. C, No. 74, 29 December 2006, Section 4.3, Compulsory standards for information technology and telecommunication

**Description of content:** Sets the compulsory standard in the area of information, communication technology including telecommunication installations, configuration of customer premises, public information symbols.

**Objective and rationale:** Consumer protection through promotion of interchangeability of systems

**Proposed date of adoption:** 30 June 2007

**Final date for comments:** 5 September 2007

**Full texts of the standards are available at:**

- [https://tsapps.nist.gov/notifyus/docs/wto\\_country/UGA/full\\_text/pdf/UGA10\[1\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/UGA/full_text/pdf/UGA10[1](english).pdf)  
This is Uganda Standard US EAS 371-10 Power transformers — Specification — Part 10: Determination of sound levels, which is an adoption with trivial changes of East African Standard EAS 371-10:2005, which is an adoption of IEC 60076-10, First edition, 2001-05. (This looks like a mistaken listing. The document probably is more relevant to UGA/6, which is about power transformers, than it is to UGA/10, which is about telecommunications and information technology equipment.)
- [https://tsapps.nist.gov/notifyus/docs/wto\\_country/UGA/full\\_text/pdf/UGA10\[2\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/UGA/full_text/pdf/UGA10[2](english).pdf)  
This is Uganda Standard US EAS 372-2, First Edition, 2006-11-14, Telecommunications installations — Specification — Part 2: Telecommunications pathways and spaces for commercial buildings, which is an adoption with trivial changes of East African Standard EAS 372-2:2005.

- [https://tsapps.nist.gov/notifyus/docs/wto\\_country/UGA/full\\_text/pdf/UGA10\[3\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/UGA/full_text/pdf/UGA10[3](english).pdf)  
This is Uganda Standard US EAS 372-3, First Edition, 2006-11-14, Telecommunications installations — Specification — Part 3: Generic telecommunications cabling systems for small office/residential premises, which is an adoption with trivial changes of East African Standard EAS 372-3:2005, which is an adoption of ISO/IEC 15018, First edition, 2004-06.
- [https://tsapps.nist.gov/notifyus/docs/wto\\_country/UGA/full\\_text/pdf/UGA10\[4\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/UGA/full_text/pdf/UGA10[4](english).pdf)  
This is Uganda Standard US EAS 373, First Edition, 2006-11-14, External TV antennas in the frequency range 30 MHz to 1 GHz — Specification, which is an adoption with trivial changes of East African Standard EAS 373:2005.
- [https://tsapps.nist.gov/notifyus/docs/wto\\_country/UGA/full\\_text/pdf/UGA10\[5\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/UGA/full_text/pdf/UGA10[5](english).pdf)  
This is Uganda Standard US EAS 379-1, First Edition, 2006-11-14, Information technology — Configuration of customer premises cabling for applications — Part 1: Integrated services digital network (ISDN) basic access, which is an adoption with trivial changes of East African Standard EAS 379-1:2005, which is an adoption of ISO/IEC 14709-1, First edition, 1997-09-01.
- [https://tsapps.nist.gov/notifyus/docs/wto\\_country/UGA/full\\_text/pdf/UGA10\[6\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/UGA/full_text/pdf/UGA10[6](english).pdf)  
This is Uganda Standard US EAS 379-2, First Edition, 2006-11-14, Information technology — Configuration of customer premises cabling (CPC) for applications — Part 2: Integrated services digital network (ISDN) primary rate, which is an adoption with trivial changes of East African Standard EAS 379-2:2005, which is an adoption of ISO/IEC 14709-2, First edition, 1998-05.

The above WTO Technical Barrier to Trade notifications were provided by *Notify U.S.*, a free, web-based e-mail subscription service that offers U.S. entities an opportunity to review and to comment on proposed foreign technical regulations that can affect their businesses. *Notify U.S.* is run by the National Center for Standards and Certification Information, which is part of the National Institute of Standards and Technology, which is part of the Technology Administration, which is part of the U.S. Department of Commerce. The *Notify U.S.* homepage is at <http://tsapps.nist.gov/notifyus/data/index/index.cfm>.

## ANSI Public Review Announcements

The following draft standards have been announced by ANSI as being available for public review. Please send your comments before the deadline to the person indicated and to the Board of Standards Review at the American National Standards Institute, <mailto:psa@ansi.org>. Reaffirmations and withdrawals available electronically may be accessed at <http://webstore.ansi.org>.

### Due 26 August 2007

#### **ANSI/ARMA TR-02-2007, Issues and Procedures for Managing Electronic Messages as Records** (technical report)

This Technical Report addresses concerns typically confronted during the implementation and management of any text-based electronic messaging system or communication, such as e-mail or instant messaging. Single-copy price: \$35.00 ARMA members, \$50.00 non-members.

Order from: <mailto:armabookstore@arma.org>

Send comments to: Kevin Joerling, <mailto:kjoerling@arma.org>

### Due 10 September 2007

**BSR/EIA 748-B-200x, Earned Value Management Systems** (revision of ANSI/EIA 748-A-1998 (R2002))  
Contains earned value management systems (EVMS) guidelines and common terminology, which is the normative content. It also contains sections on EVMS process discussion, system documentation, and system evaluation, which are informative and provide application and implementation insight. Single-copy price: \$62.00.

Order from: 800-699-9277, or <http://www.geia.org>

Send comments to: Chris Denham, <mailto:cdenham@geia.org>

**BSR/ISA 99.00.01-200x, Security for Industrial Automation and Control Systems - Part 1: Terminology, Concepts, and Models** (new standard)

This is the first of a multipart series. This standard addresses the electronic or cyber security of industrial automation and control systems. The term, security, is considered here to mean the prevention of illegal or unwanted penetration of or intentional or unintentional interference with the proper and intended operation of industrial automation and control systems. Electronic security, the focus of this standard, includes computers, networks, or other programmable components of the system. Single-copy price: \$99.00.

Order from and send comments to: Charles Robinson, <mailto:crobinson@ISA.org>

**BSR/NISO Z39.93-200x, Standardized Usage Statistics Harvesting Initiative (SUSHI) Protocol** (new standard)

Defines an automated request and response model for the harvesting of electronic resource usage data utilizing a Web services framework that can replace the user-mediated collection of usage data reports. It was designed as a generalized protocol extensible to a variety of usage reports. An extension designed specifically to work with Counter reports is provided. Single-copy price: \$49.00.

Order from: <http://www.niso.org/standards/balloting.html>

Send comments to: NISO, <mailto:nisohq@niso.org>

**Due 17 September 2007**

**BSR/ISO/ASQ S2859-1-200x, Sampling procedures for inspection by attributes - Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection** (identical national adoption of ISO 2859-1:1999)

Specifies an acceptance sampling system for inspection by attributes. It is indexed in terms of the acceptance quality limit (AQL). Its purpose is to induce a supplier through the economic and psychological pressure of lot non-acceptance to maintain a process average at least as good as the specified acceptance quality limit, while at the same time providing an upper limit for the risk to the consumer of accepting the occasional poor lot. Single-copy price: \$86.00 ASQ members, \$100.00 non-members.

Order from and send comments to: <mailto:standards@asq.org>

**BSR/ISO/ASQ S2859-4-200x, Sampling procedures for inspection by attributes - Part 4: Procedures for assessment of declared quality levels** (identical national adoption of ISO 2859-4:2002)

Establishes sampling plans and procedures that can be used to assess whether the quality level of an entity (lot, process, etc.) conforms to a declared value. The sampling plans have been devised so as to obtain a risk of less than contradicting a correct declared quality level. The risk is of failing to contradict an incorrect declared quality level that is related to the limiting quality ratio. Sampling plans are provided corresponding to three levels of discriminatory ability. Single-copy price: \$52.00 ASQ members, \$65.00 non-members.

Order from and send comments to: <mailto:standards@asq.org>

**BSR/ISO/ASQ S3531-1-200x, Statistics - Vocabulary and symbols - Part 1: General statistical terms and terms used in probability** (identical national adoption of ISO 3534-1:2006)

Defines general statistical terms and terms used in probability that may be used in the drafting of other international standards. In addition, it defines symbols for a limited number of these terms. Single-copy price: \$96.00 ASQ members, \$110.00 non-members.

Order from and send comments to: <mailto:standards@asq.org>

**BSR/ISO/ASQ S3534-2-200x, Statistics - Vocabulary and symbols - Part 2: Applied statistics** (identical national adoption of ISO 3534-2:2006)

Defines applied statistics terms, and expresses them in a conceptual framework in accordance with ISO normative terminology practice. Term entries are arranged thematically. An alphabetical index is provided. Standardized symbols and abbreviations are defined. Single-copy price: \$106.00 ASQ members, \$125.00 non-members.

Order from and send comments to: <mailto:standards@asq.org>

**BSR/ISO/ASQ S3534-3-200x, Statistics - Vocabulary and symbols - Part 3: Design of experiments** (identical national adoption of ISO 3534-3:1999)

Defines the terms used in the field of design of experiments and may be used in the drafting of other international standards. Single-copy price: \$71.00 ASQ members, \$85.00 non-members.

Order from and send comments to: <mailto:standards@asq.org>

**BSR/ISO/ASQ S21247-200x, Combined accept-zero sampling systems and process control procedures for product acceptance** (identical national adoption of ISO 21247:2005)

Provides a set of accept-zero sampling systems and procedures for planning and conducting inspections to assess quality and conformance to specified requirements. Single-copy price: \$66.00 ASQ members, \$80.00 non-members.

Order from and send comments to: <mailto:standards@asq.org>

**BSR Z136.7-200x, Testing and Labeling of Laser Protective Equipment** (new standard)

Provides recommendations for the testing requirements and labeling of protective equipment (devices) designed for use with lasers and laser systems that operate at wavelengths between 180 nm and 1 mm. Single-copy price: \$30.00.

Order from and send comments to: Barbara Sams, <mailto:bsams@laserinstitute.org>

**BSR/NECA 200-200x, Standard for Installing and Maintaining Temporary Electrical Power at Construction Sites** (revision of ANSI/NECA 200-2002)

Describes temporary electrical power and lighting systems at construction sites, operating at 600 volts or less. It covers the planning, installation, expansion, maintenance, cutover, and removal of the temporary power system. This standard is intended to ensure a safe, adequate, functional, and reliable temporary electrical power system for all trades on site. Single-copy price: \$30.00.

Order from: Nancy Sipe, <mailto:orderdesk@necanet.org>

Send comments to: Caitlin Byrne, <mailto:Caitlin.Byrne@necanet.org>

**BSR C78.370-1997 (R200x), Method of Designation for Electric Lamps - Photographic, Stage and Studio** (reaffirmation of ANSI C78.370-1997 (R2003))

This standard describes a system for the designation of photographic, stage, and studio lamps. Single-copy price: \$60.00.

Order from and send comments to: Randolph N. Roy, [mailto:ran\\_roy@nema.org](mailto:ran_roy@nema.org)

**BSR/NSF 140-200x (i2), Sustainable Carpet Assessment** (new standard)

Issue 2: To provide a market-based definition for a path to sustainable carpet, establish performance requirements for public health and environment, and address the triple bottom line, economic-environmental-social, throughout the supply chain. Single-copy price: \$35.00.

Order from and send comments to: Jaclyn Bowen, <mailto:bowen@nsf.org>

**BSR/TIA 568-C.0-200x, Generic Customer-Owned Telecommunication Networks** (new standard)

This standard specifies minimum requirements for generic telecommunications cabling. It specifies cabling requirements such as cabling distances, configurations, and topologies. Single-copy price: \$112.00.

Order from and send comments to: Marianna Kramarikova, <mailto:mkramarikova@tiaonline.org>

**BSR/TIA 568-B.2-10-200x, Transmission Performance Specifications for 4-Pair 100-Ohm Augmented Category 6 Cabling** (new standard)

This default ballot is a result of the comment resolution held regarding

SP-3-4426-AD10-D. Single-copy price: \$91.00.

Order from and send comments to: Marianna Kramarikova, <mailto:mkramarikova@tiaonline.org>

**BSR/TIA 568-C.1-200x, Commercial Building Telecommunications Cabling Standard** (revision of ANSI/TIA 568-B.1-2001)

This standard specifies a generic telecommunications cabling system for commercial buildings that will support a multi-product, multi-vendor environment. Single-copy price: \$82.00.

Order from and send comments to: Marianna Kramarikova, <mailto:mkramarikova@tiaonline.org>

**BSR/TIA 568-C.3-200x, Optical Fiber Cabling Component Standard** (revision of ANSI/TIA 568-B-3-2000)

Specifies cable and component transmission performance requirements for premises optical fiber cabling. It is intended to be used by manufacturers, users, designers and installers in their day-to-day activities. Single-copy price: \$49.00.

Order from and send comments to: Marianna Kramarikova, <mailto:mkramarikova@tiaonline.org>

**BSR/TIA 862-2002 (R200x), Building Automation Systems Cabling Standard for Commercial Buildings** (reaffirmation of ANSI/TIA 862-2002)

Specifies minimum requirements for building automation systems (BAS) cabling within a commercial building and between buildings in a campus environment. It specifies:

- cabling requirements for cabling topology, architecture, design, and installation practices;
- test procedures; and
- requirements for components that comprise the cabling system.

Single-copy price: \$91.00.

Order from and send comments to: Marianna Kramarikova, <mailto:mkramarikova@tiaonline.org>

**Due 25 September 2007**

**BSR/ASME PCC-3-200x, Inspection Planning Using Risk Based Methods** (new standard)

Provides information on using risk analysis to develop and plan an effective inspection strategy.

Inspection planning is a systematic process that begins with identification of facilities or equipment and culminates in an inspection plan. Both the probability of failure and the consequence of failure should be evaluated by considering all credible damage mechanisms that could be expected to affect the facilities or equipment. In addition, failure scenarios based on each credible damage mechanism should be developed and considered. Single-copy price: \$40.00.

Order from: Mayra Santiago, <mailto:ANSIBOX@asme.org>, or <http://cstools.asme.org/publicreview>

Send comments to: Steven Rossi, <mailto:rossis@asme.org>

**BSR/ESD DSP5.5.2-200x, Draft Standard Practice for the Protection of Electrostatic Discharge Susceptible Items - Electrostatic Discharge Sensitivity Testing Very Fast Transmission Line Pulse (VF-TLP) - Component Level** (new standard)

Pertains to very fast transmission line pulse (VF-TLP) testing techniques of semiconductor components. The purpose of the document is to establish guidelines and standard practices presently used by development, research, and reliability engineers in both universities and industry for VF-TLP testing. This document explains a methodology for both testing and reporting information associated with VF-TLP testing. Single-copy price: \$50.00 EOS/ESD members, \$70.00 non-members.

Order from: Bridget Schneegas, <mailto:bschneegas@esda.org>

**BSR/ESD STM5.1-200x, Draft Standard Test Method for Electrostatic Discharge Sensitivity Testing - Human Body Model (HBM) - Component Level** (revision of ANSI/ESD STM5.1-2003)

Establishes the procedure for testing, evaluating, and classifying the electrostatic discharge (ESD) sensitivity of components to the defined human body model (HBM). Single-copy price: \$50.00 EOS/ESD members, \$70.00 non-members.

Order from: Bridget Schneegas, <mailto:bschneegas@esda.org>

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## Final Actions

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

**ANSI C78.380-2007, High-Intensity Discharge Lamps, Method of Designation** (revision of ANSI C78.380-2005): 11 July 2007

**ANSI C78.60432.1-2003 (R2007), Incandescent Lamps - Safety Specifications - Part I: Tungsten Filament Lamps for Domestic and Similar General Lighting Purposes** (revision and redesignation of ANSI C78.60432.1-2003): 24 July 2007

**ANSI C78.60432.2-2004 (R2007), Incandescent Lamps - Safety Specifications - Part II: Tungsten Halogen Lamps for Domestic and Similar General Lighting Purposes** (revision of ANSI C78.60432.2-2004): 24 July 2007

**ANSI C78.60432.3-2004 (R2007), Incandescent Lamps - Safety Specifications - Part III: Tungsten Halogen Lamps (non vehicle)** (reaffirmation of ANSI C78.60432.3-2004): 24 July 2007

**ANSI C82.9-1996 (R2007), Definitions for HID Lamp Ballasts and Transformers** (reaffirmation of ANSI C82.9-1996 (R2003)): 24 July 2007

**ANSI C82.9b-1998 (R2007), Total Harmonic Distortion** (reaffirmation of ANSI C82.9b-1998 (R2003)): 24 July 2007

**ANSI/(NFPA) T2.13.4-1994 (R2007), Information Report - Recommendations for Conservation, Maintenance, and Disposal of Hydraulic Fluids** (reaffirmation of ANSI/(NFPA) T2.13.4-1994 (R2001)): 27 July 2007

**ANSI/(NFPA) T2.13.5-1991 (R2007), Hydraulic fluid power - Industrial systems - Practice for the use of high water content fluids** (reaffirmation of ANSI/(NFPA) T2.13.5-1991 (R2001)): 27 July 2007

**ANSI/AIHA Z9.3-2007, Spray Finishing Operations - Safety Code for Design, Construction, and Ventilation** (new standard): 31 July 2007

**ANSI/AISI S210-2007, North American Standard for Cold-Formed Steel Framing - Floor and Roof System Design** (new standard): 23 July 2007

**ANSI/AISI S211-2007, North American Standard for Cold-Formed Steel Framing - Wall Stud Design** (revision of ANSI/AISI COFS/WSD-2004): 23 July 2007

**ANSI/ASHRAE/IESNA 90.1a-2007, Energy Standard for Buildings Except Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/IESNA 90.1-2007): 25 July 2007

**ANSI/ASHRAE/IESNA 90.1b-2007, Energy Standard for Buildings Except Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/IESNA 90.1-2007): 25 July 2007

**ANSI/ASME A17.2-2007, Guide for Inspection of Elevators, Escalators, and Moving Walks** (revision of ANSI/ASME A17.2-2004): 11 July 2007

**ANSI/ASME BPVC Revision-2007, ASME Boiler and Pressure Vessel Code (2/2/07 Meeting)** (revision of ANSI/ASME BPV Code 2004 Edition): 26 July 2007

**ANSI/ASSE A10.40-2007, Reduction of Musculoskeletal Problems in Construction** (new standard): 23 July 2007

**ANSI/ASTM E2554-2007, Practice for Estimating and Monitoring the Uncertainty of Test Results of a Test Method in a Single Laboratory Using a Control Sample Program** (new standard): 17 July 2007

**ANSI/NCSL Z540.2-1997 (R2007), Expressing Uncertainty - U.S. Guide to the Expression of Uncertainty in Measurement** (reaffirmation of ANSI/NCSL Z540.2-1997 (R2002)): 11 July 2007

**ANSI/NECA/NEMA 105-2007, Standard for Installing and Maintaining Metal Cable Tray Systems** (new standard): 26 July 2007

**ANSI/NEMA 250-2007, Enclosures for Electrical Equipment (1000 Volts Maximum)** (revision of ANSI/NEMA 250-2001): 24 July 2007

**ANSI/NEMA GR 1-2007, Grounding Rod Electrodes and Grounding Rod Electrode Couplings** (revision of ANSI/NEMA GR 1-2001): 19 July 2007

**INCITS/ISO/IEC 13249-3-2007, Information technology - Database languages - SQL multimedia and application packages - Part 3: Spatial** (identical national adoption and revision of INCITS/ISO/IEC 13249-3-2003): 27 July 2007

**INCITS/ISO/IEC 19763-3-2007, Information technology - Metamodel framework for interoperability (MFI) - Part 3: Metamodel for ontology registration** (identical national adoption of ISO/IEC 19763-3:2007): 27 July 2007

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## New Projects

ANSI has announced the following projects. Please contact the person or organization listed if you are interested in more information or in becoming involved in the project. 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 it conflicts with an existing standard.

### **BSR/ASHRAE Std 41.11P-200x, Standard Methods for Power Measurement** (new standard)

This document provides the standard methods for power measurement. Project Need: To set forth recommended practices for power measurements and provide adequate and consistent measurement procedures for reference in other ASHRAE standards.

Contact: Stephanie Reiniche, <mailto:sreiniche@ashrae.org>

### **BSR/IESNA RP-1-200x, Recommended Practice on Office Lighting** (revision of ANSI/IESNA RP-1-2004)

A set of best practices and recommendations for the design of illumination in office environments will address lighting needs for open plan and private offices. New, more in-depth information will include light and human health, energy efficiency and sustainability, personal control of the lighted space, and the interaction of light and color. Project Need: Existing document contains information that has already become outdated. It is important to keep the lighting community informed as new research is reported.

Contact: Rita Harrold, <mailto:rharrold@iesna.org>

### **BSR/NFPA 10-200x, Standard for Portable Fire Extinguishers** (revision of ANSI/NFPA 10-2002)

Applies to the selection, installation, inspection, maintenance, and testing of portable extinguishing equipment.

Contact: Milosh Puchovsky, <mailto:mpuchovsky@nfpa.org>

### **BSR/NFPA 70B-200x, Recommended Practice for Electrical Equipment Maintenance** (revision of ANSI/NFPA 70B-2006)

Applies to preventive maintenance for electrical, electronic, and communication systems and equipment and is not intended to duplicate or supersede instructions that manufacturers normally provide. Systems and equipment covered are typical of those installed in industrial plants, institutional and commercial buildings, and large multifamily residential complexes.

Contact: Milosh Puchovsky, <mailto:mpuchovsky@nfpa.org>

### **BSR/NFPA 80-200x, Standard for Fire Doors and Other Opening Protectives** (revision of ANSI/NFPA 80-2007)

Regulates the installation and maintenance of assemblies and devices used to protect openings in walls, floors, and ceilings against the spread of fire and smoke within, into, or out of buildings. With the exception

of fabric fire safety curtain assemblies, this standard addresses assemblies that have been subjected to standardized fire tests.

Contact: Milosh Puchovsky, <mailto:mpuchovsky@nfpa.org>

**BSR/NFPA 105-200x, Standard for the Installation of Smoke Door Assemblies and Other Opening Protectives** (revision of ANSI/NFPA 105-2007)

This standard shall prescribe minimum requirements for smoke door assemblies for use in providing safety to life and protection of property from smoke.

Contact: Milosh Puchovsky, <mailto:mpuchovsky@nfpa.org>

**BSR/NFPA 110-200x, Standard for Emergency and Standby Power Systems** (revision of ANSI/NFPA 110-2005)

Covers performance requirements for power systems providing an alternate source of electrical power to loads in buildings and facilities in the event that the primary power source fails. Power systems covered in this standard include power sources, transfer equipment, controls, supervisory equipment, and all related electrical and mechanical auxiliary and accessory equipment needed to supply electrical power to the load terminals of the transfer equipment. This standard covers installation, maintenance, operation, and testing requirements as they pertain to the performance of the emergency power supply system (EPSS).

Contact: Milosh Puchovsky, <mailto:mpuchovsky@nfpa.org>

**BSR/NFPA 111-200x, Standard on Stored Electrical Energy Emergency and Standby Power Systems** (revision of ANSI/NFPA 111-2005)

Covers performance requirements for stored electrical energy systems providing an alternate source of electrical power in buildings and facilities in the event that the normal electrical power source fails. (NOTE: For emergency power systems supplied by emergency generators, see NFPA 110, Standard for Emergency and Standby Power Systems.) Systems covered in this standard include power sources, transfer equipment, controls, supervisory equipment, and accessory equipment, including integral accessory equipment, needed to supply electrical power to the selected circuits. This standard covers installation, maintenance, operation, and testing requirements as they pertain to the performance of the stored emergency power supply system (SEPSS).

Contact: Milosh Puchovsky, <mailto:mpuchovsky@nfpa.org>

**BSR/NFPA 1124-200x, Code for the Manufacture, Transportation, Storage, and Retail Sale of Fireworks and Pyrotechnic Articles** (revision of ANSI/NFPA 1124-2006)

This code regulates the construction, use, and maintenance of buildings and facilities for the following:

- (1) The manufacture and storage of fireworks at fireworks manufacturing facilities;
- (2) The storage of display fireworks, pyrotechnic articles, salute powder, pyrotechnic and explosive compositions, and black powder at other than display sites;
- (3) The storage of consumer fireworks at distribution facilities;
- (4) The retail sales and related storage of consumer fireworks in consumer fireworks retail sales facilities and stores; and
- (5) The transportation of fireworks, pyrotechnic articles, and components thereof containing pyrotechnic or explosive materials on public highways.

Contact: Milosh Puchovsky, <mailto:mpuchovsky@nfpa.org>

**BSR/MSE 2000-200x, A Management System for Energy** (revision of ANSI/MSE 2000-2005)

Includes the elements of a management system that incorporates both the technical and the management aspects of controlling and shaping energy (or water) purchase, storage, use, and disposal. The standard lays out the framework for continual improvement in energy management.

Contact: Holly Grell-Lawe, <mailto:holly.lawe@innovate.gatech.edu>

## TSP Meeting Schedule

The following meetings will be held in conjunction with the LDI trade show at the Rosen Plaza Hotel, 9700 International Drive, Orlando, Florida. Please also note that these meetings are subject to change. There are a few months between now and LDI, and meetings, particularly task group meetings, are likely to be added, canceled, or rescheduled.

<b>Control Protocols E1.27-x Cabling Task Group</b>	No meeting scheduled
<b>Control Protocols E1.30 Mo' ACN Task Group</b>	Tuesday, 13 Nov. 2007, 09:00 - 17:00
	Wednesday, 14 Nov. 2007, 09:00 - 17:00
<b>Control Protocols E1.31 DMX512-A/ACN Task Group</b>	Thursday, 15 Nov. 2007, 13:00 - 18:00
<b>Control Protocols E1.37 Mo' RDM Task Group</b>	Monday, 19 Nov. 2007, 10:30 - 18:00
<b>Control Protocols Working Group</b>	Thursday, 15 Nov. 2007, 09:00 - 13:00
<b>Electrical Power E1.18 Feeder Cable Task Group</b>	No meeting scheduled
<b>Electrical Power E1.19 GFCI Task Group</b>	No meeting scheduled
<b>Electrical Power Working Group</b>	Friday, 16 Nov. 2007, 19:00 - 23:00
<b>Floors Working Group</b>	Wednesday, 14 Nov. 2007, 08:00 - noon
<b>Fog &amp; Smoke Working Group</b>	Saturday, 17 Nov. 2007, 09:00 - 11:00
<b>Followspot Position Working Group</b>	No meeting scheduled
<b>Photometrics Working Group</b>	No meeting scheduled
<b>Rigging E1.22 Fire Safety Curtains Task Group</b>	Thursday, 15 Nov. 2007, 13:30 - 18:00
<b>Rigging E1.6-1 Powered Winch Task Group</b>	Wednesday, 14 Nov. 2007, 09:00 - 18:00
	Thursday, 15 Nov. 2007, 08:00 - noon
<b>Rigging E1.6-2 Chain Hoist Task Group</b>	No meeting scheduled
<b>Rigging E1.6-3 Chain Hoist Usage Task Group</b>	Tuesday, 13 Nov. 2007, 18:00 - 22:00
	Wednesday, 14 Nov. 2007, 09:00 - 13:00
<b>Rigging Working Group</b>	Wednesday, 14 Nov. 2007, 19:00 - 23:00
<b>Technical Standards Committee</b>	Wednesday, 14 Nov. 2007, 13:00 - 17:00

Don't confuse the Rosen Plaza Hotel at 9700 International Drive with the Rosen Centre Hotel at 9840 International Drive. One hotel is at one end of the Orange County Convention Center; the other is at the other. These meetings will be at the Rosen Plaza Hotel.

## Standards Watch

is a publication of ESTA's Technical Standards Program.

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