

**Minutes**  
**Technical Standards Committee**  
Wednesday, 20 October 2010  
Las Vegas Hilton Hotel

**Chairman:** Mike Garl; James Thomas Engineering, Inc.; P

**Recording secretary:** Karl G. Ruling; ESTA

**Members attending:**

William Conner; Bill Conner Associates LLC, representing the Amer. Society of Theatre Consultants; P  
James Niesel; Arup; P  
Larry Schoeneman; DesignLab Chicago, Inc.; P  
Steve Terry; Electronic Theatre Controls, Inc.; P  
Ken Vannice; Leviton Manufacturing Co., Inc.; P  
Mike Wood; Mike Wood Consulting LLC; P  
Matthew Griffiths; PLASA; P  
Ron Bonner; PLASA; A  
Mitch Hefter; Entertainment Technology (Royal Philips Electronics); P  
Bill Groener; Tim Hunter Design, LLC; P  
Richard Cadena; Projection, Light & Staging News (Timeless Communications Corp.); P  
Louis Bradfield representing USITT; A  
Jerry Gorrell; Theatre Safety Programs, representing USITT; P  
Lori Rubinstein; ESTA; ex officio  
Harry Box; ESTA PERA Council; ex officio

**Visitors:**

Michael Lay; Philips Strand Lighting  
Jules Lauve; Theatre Projects Consultants

**1 Opening remarks**

Mike Garl called the meeting to order at 13:05. He asked to have cell phones, pagers, et cetera turned off or turned to silent.

**2 Attendance and membership (13:05)**

**2.1 Taking attendance**

A green sign-in sheet was circulated.

**2.2 Welcome to visitors**

The visitors all arrived after this point in the agenda, so there was no welcome to visitors.

**2.3 Introductions**

Harry Box was introduced by Mike Garl as the new PERA Council Manager. Lori Rubinstein gave his credentials, which include being a cameraman and the author of a well-respected set lighting handbook.

The others present introduced themselves.

**2.4 Consensus body**

The full consensus body, including those not present, was:

Name	Company or representation	Voting
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		Status
William Conner	Bill Conner Associates LLC, representing the Amer. Society of Theatre Consultants	P
Eugene Leitermann	Theatre Projects Consultants, Inc., representing the Amer. Society of Theatre Consultants	A
James Niesel	Arup	P
Larry Schoeneman	Designlab Chicago, Inc.	P
Steve Terry	Electronic Theatre Controls	P
Edwin S. Kramer	I.A.T.S.E. Local 1	P
Mike Garl	James Thomas Engineering, Inc.	P
Ken Vannice	Leviton Manufacturing Co., Inc.	P
Mike Wood	Mike Wood Consulting LLC	P
Matthew Griffiths	PLASA	P
Ron Bonner	PLASA	A
Mitch Hefter	Entertainment Technology (Royal Philips Electronics)	P
Bill Sapsis	Sapsis Rigging, Inc.	P
JR Reid	JR Lighting, Inc., representing The PERA Council	P
Leigh Blicher	Videofax, representing The PERA Council	A
Bill Groener	Tim Hunter Design, LLC	P
Richard Cadena	Projection, Light & Staging News (Timeless Communications Corp.)	P
Jerry Gorrell	Theatre Safety Programs, representing USITT	P
Louis Bradfield	representing USITT	A
	Total votes possible	15

### 3 Approval of minutes from the previous meeting

See *TSCmin07-2010.pdf*.

Steve Terry moved that the draft minutes be approved as written. The motion was seconded. The motion was accepted with a show of hands.

### 4 Call for patents, to be read aloud to the assembly

The following statement was read aloud to the assembly by Mike Garl:

"ESTA intends not to publish any standard that contains protected intellectual property, unless that information can be licensed by anyone for a reasonable fee. ESTA uses a process of open patent and copyright disclosures to implement its intent. ESTA does not conduct patent or copyright searches and does not warrant that its standards contain no protected intellectual property.

"In keeping with the open disclosures policy, I ask if anyone present wishes to notify the Technical Standards Committee of the existence of a patent or copyright or other intellectual property that might protect material in a standard being developed by a working group. You need not be the holder of the patent or copyright to notify the Technical Standards Committee of its existence."

There were no notifications.

### 5 Anti-trust statement, to be read aloud to the assembly

The following statement was read aloud to the assembly by Mike Garl:

"The ESTA Board of Directors and the leadership of this Technical Standards Committee will reject or nullify any actions that unlawfully restrain trade. Anyone who feels that such an action is being or has been taken is requested to bring that matter to the attention of the chair immediately. Anyone who feels that actions in restraint of trade have been taken and not properly annulled is requested to notify the ESTA president immediately.

"ESTA legal counsel has informed us that violations of the anti-trust laws can have serious consequences. Individuals engaged in certain unlawful conduct can be found criminally liable. An individual convicted of a criminal violation of the Sherman Act may be fined as much as \$1,000,000 and imprisoned for up to ten years. An easy to read pamphlet describing restraint of trade issues is available from the Technical Standards Manager."

There were no restraint of trade notifications.

## **6 Approval of agenda**

The following two items were added by Mike Garl:

8.2.1.2 Electronic voting

11 Other business

The PLASA merger and the TSP

Larry Schoeneman moved that the modified agenda be accepted. The motion was seconded and then approved with a show of hands.

## **7 Reminder about ESTA contact information on the website**

The reminder was issued.

## **8 Old business and standing reports**

### **8.1 Financial reports**

#### **8.1.1 Treasurer's report**

Mike Wood reported that we've been doing better on sponsorships. Also, the 2009 VAT refund application was resubmitted and then approved.

There needs to be further discussion about how PLASA exhibit space is sold and how it can be done in such a way that non-UK exhibitors can get a VAT refund.

#### **8.1.2 Status of contributions and pledges**

Lori Rubinstein reported that the USITT contribution had been received.

#### **8.1.3 Accounting of TSP documents sold**

Lori Rubinstein said that the accounting was up to date as of today. ANSI is always late in reporting sales.

She noted that ANSI gives us 60% of the sale price, while the ESTA Foundation gives us 80%.

#### **8.1.4 TSP Marketing**

No report, said Lori Rubinstein.

### **8.2 Old Business**

#### **8.2.1 TSM's report**

### 8.2.1.1 Report on status of documents: ones in process, ones stable, ones needing action or of concern

See *PrjctsSmmry2010-10.pdf*

### 8.2.1.2 Electronic voting

There was a brief discussion of the web-based letter ballots. Karl Ruling said that the system saved a lot of his time, and that he was very pleased with it. He thanked Mike Wood for setting it up.

### 8.2.1.3 Working group documents or projects requiring action by the TSC

Comment on the balloting. Karl Ruling said it's great. Thanks were offered to Mike Wood.

#### 8.2.1.3.1 Approval of Followspot Position motion to accept BSR E1.28, the followspot position planning guidance document, as an American National Standard

*In addition to the E1.28 documents provided for the TSC's July meeting, see E1-28r6a.pdf and ReponseReKasefang\_Oct\_2010.pdf. They will be considered at the working group's 15 October meeting. They may or may not be modified. The appropriateness of TSC action at this meeting will depend on what the working group does.*

Steve Terry moved that we approve E1.28. The motion was seconded. There was discussion.

Ruling spoke in favor of the work of the group and said that they have followed the procedure

Steve Terry noted that Curtis Kasefang is an expert and said that he thinks Kasefang makes some compelling arguments. Terry suggested that the E1.28 standard is in a topic area that ESTA shouldn't get into.

Mitch Hefter noted that the Kasefang's continued objections do not offer any text that would satisfy him.

Action on the motion was delayed until Jules Lauve arrived. He arrived at 14:10. He was asked to speak to the motion. Jules Lauve said that he was there to be a new alternate to Bill Conner. He had little to say about E1.28.

On a roll call vote, the motion failed:

Name	Company and representation	Voting status	Vote
William Conner	Bill Conner Associates LLC, representing the Amer. Society of Theatre Consultants	P	N
Eugene Leitermann	Theatre Projects Consultants, Inc., representing the Amer. Society of Theatre Consultants	A	
James Niesel	Arup	P	N
Larry Schoeneman	Designlab Chicago, Inc.	P	Y
Steve Terry	Electronic Theatre Controls	P	N
Edwin S. Kramer	I.A.T.S.E. Local 1	P	
Mike Garl	James Thomas Engineering, Inc.	P	N
Ken Vannice	Leviton Manufacturing Co., Inc.	P	N
Mike Wood	Mike Wood Consulting LLC	P	Y
Matthew Griffiths	PLASA	P	A
Ron Bonner	PLASA	A	

Mitch Hefter	Entertainment Technology (Royal Philips Electronics)	P	A
Bill Sapsis	Sapsis Rigging, Inc.	P	
JR Reid	JR Lighting, Inc., representing The PERA Council	P	
Leigh Blicher	Videofax, representing The PERA Council	A	
Bill Groener	Tim Hunter Design, LLC	P	Y
Richard Cadena	Projection, Light & Staging News (Timeless Communications Corp.)	P	Y
Jerry Gorrell	Theatre Safety Programs, representing USITT	P	N
Louis Bradfield	representing USITT	A	
		Yes	4
		No	6
		Abstain	2

The TSC directed the working group to develop engineering argument, such that an engineering consensus is achieved. Jules Lauve was directed to take the message back to the working group.

#### 8.2.1.3.2 Approval of CPWG vote to accept the revisions to E1.17 (ACN) as an American National Standard

See *CPWG\_E1-17\_BallotResults.pdf* and *E1-17-201xDraftDocs.zip*.

Steve Terry moved that the revisions to ANSI E1.17 be accepted. The motion was seconded. The motion was accepted on a roll call ballot with twelve out of a possible 15 voting Yes.

Name	Company and representation	Voting status	Vote
William Conner	Bill Conner Associates LLC, representing the Amer. Society of Theatre Consultants	P	Y
Eugene Leitermann	Theatre Projects Consultants, Inc., representing the Amer. Society of Theatre Consultants	A	
James Niesel	Arup	P	Y
Larry Schoeneman	Designlab Chicago, Inc.	P	Y
Steve Terry	Electronic Theatre Controls	P	Y
Edwin S. Kramer	I.A.T.S.E. Local 1	P	
Mike Garl	James Thomas Engineering, Inc.	P	Y
Ken Vannice	Leviton Manufacturing Co., Inc.	P	Y
Mike Wood	Mike Wood Consulting LLC	P	Y
Matthew Griffiths	PLASA	P	Y
Ron Bonner	PLASA	A	
Mitch Hefter	Entertainment Technology (Royal Philips Electronics)	P	Y
Bill Sapsis	Sapsis Rigging, Inc.	P	
JR Reid	JR Lighting, Inc., representing The PERA Council	P	
Leigh Blicher	Videofax, representing The PERA Council	A	
Bill Groener	Tim Hunter Design, LLC	P	Y

Richard Cadena	Projection, Light & Staging News (Timeless Communications Corp.)	P	Y
Jerry Gorrell	Theatre Safety Programs, representing USITT	P	Y
Louis Bradfield	representing USITT	A	
		Yes	12
		No	0
		Abstain	0

#### 8.2.1.3.3 Approval of RWG's vote for public review for reaffirmation of ANSI E1.15

Mike Wood moved that ANSI E1.15 be offered for public review for reaffirmation. The motion was seconded and then approved on a roll call ballot, with 12 out of a possible 15 voting Yes.

Name	Company and representation	Voting status	Vote
William Conner	Bill Conner Associates LLC, representing the Amer. Society of Theatre Consultants	P	Y
Eugene Leitermann	Theatre Projects Consultants, Inc., representing the Amer. Society of Theatre Consultants	A	
James Niesel	Arup	P	Y
Larry Schoeneman	Designlab Chicago, Inc.	P	Y
Steve Terry	Electronic Theatre Controls	P	Y
Edwin S. Kramer	I.A.T.S.E. Local 1	P	
Mike Garl	James Thomas Engineering, Inc.	P	Y
Ken Vannice	Leviton Manufacturing Co., Inc.	P	Y
Mike Wood	Mike Wood Consulting LLC	P	Y
Matthew Griffiths	PLASA	P	Y
Ron Bonner	PLASA	A	
Mitch Hefter	Entertainment Technology (Royal Philips Electronics)	P	Y
Bill Sapsis	Sapsis Rigging, Inc.	P	
JR Reid	JR Lighting, Inc., representing The PERA Council	P	
Leigh Blicher	Videofax, representing The PERA Council	A	
Bill Groener	Tim Hunter Design, LLC	P	Y
Richard Cadena	Projection, Light & Staging News (Timeless Communications Corp.)	P	Y
Jerry Gorrell	Theatre Safety Programs, representing USITT	P	Y
Louis Bradfield	representing USITT	A	
		Yes	12
		No	0
		Abstain	0

#### 8.2.1.3.4 Approval of RWG's vote for public review of BSR E1.6-4

Larry Schoeneman moved that we allow the public review of BSR E1.6-4, but that the TSC strongly encourages the working group to consider and to discuss the dissenting comments at a meeting before the public review. The motion was seconded.

There was a lengthy discussion about whether we should put things out for public review that we know have flaws.

The motion was approved on a roll call ballot, with 11 out of a possible 15 voting Yes and one voting No.

Name	Company and representation	Voting status	
William Conner	Bill Conner Associates LLC, representing the Amer. Society of Theatre Consultants	P	Y
Eugene Leitermann	Theatre Projects Consultants, Inc., representing the Amer. Society of Theatre Consultants	A	
James Niesel	Arup	P	N
Larry Schoeneman	Designlab Chicago, Inc.	P	Y
Steve Terry	Electronic Theatre Controls	P	Y
Edwin S. Kramer	I.A.T.S.E. Local 1	P	
Mike Garl	James Thomas Engineering, Inc.	P	Y
Ken Vannice	Leviton Manufacturing Co., Inc.	P	Y
Mike Wood	Mike Wood Consulting LLC	P	Y
Matthew Griffiths	PLASA	P	Y
Ron Bonner	PLASA	A	
Mitch Hefter	Entertainment Technology (Royal Philips Electronics)	P	Y
Bill Sapsis	Sapsis Rigging, Inc.	P	
JR Reid	JR Lighting, Inc., representing The PERA Council	P	
Leigh Blicher	Videofax, representing The PERA Council	A	
Bill Groener	Tim Hunter Design, LLC	P	Y
Richard Cadena	Projection, Light & Staging News (Timeless Communications Corp.)	P	Y
Jerry Gorrell	Theatre Safety Programs, representing USITT	P	Y
Louis Bradfield	representing USITT	A	
		Yes	11
		No	1
		Abstain	0

#### 8.2.2 Review of action items from last meeting not covered above (15:00)

##### 8.2.2.1 ANSI Audit response

See

- RevisedReportEmail.pdf
- esta2010aud-revsd.pdf
- ResponseOnPatentPolicy.pdf

- ESTA\_Response2010r1.pdf

#### **8.2.2.2 Revision of P&P**

*See OMF N 692-RecommendationsForEfficientStandardsDevelopment.pdf*

Bill Conner spoke on letter ballots and how they work or not. NFPA uses letter ballots for confirming the actions taken in a meeting.

Ruling said he planned to have a first draft of a revised P&P ready in late November or early December.

#### **8.2.2.3 Camera Crane Project leader**

*The PERA Council to identify someone to lead the camera crane project.*

Lori Rubinstein said that the PERA Council will meet and will discuss the project. It will recommend that the project go forward or not.

Steve Terry said we'd be fine with a response of "Nevermind." We don't want it hanging in limbo.

#### **8.2.2.4 Stage lift project, proposal from ASTC**

Bill Conner moved that the project be accepted. The motion was seconded, and then approved with a show of hands, with all voting in favor.

Steve Terry moved that Bill Conner be appointed as chairman. The motion was seconded, and then approved with a show of hands, with all voting in favor.

There was a discussion of when or how to file the PINS with ANSI and announce the start of the project.

### **9 New business**

None.

### **10 Optional Reports**

#### **10.1 Reports by working and task group leaders on active projects**

##### **10.1.1 Camera Cranes**

##### **10.1.2 Control Protocols**

##### **10.1.3 Electrical Power**

##### **10.1.4 Flame Resistance Task Group**

##### **10.1.5 Floors**

##### **10.1.6 Fog and Smoke**

##### **10.1.7 Followspot Position**

##### **10.1.8 Photometrics**

##### **10.1.9 Rigging**

Bill Sapsis was not present, but had submitted the following report to be read to the assembly:



As you may remember, I won't be able to attend the TSC meeting due to a schedule conflict. The rigging summary looks good. The only thing I'd like you to add on my behalf is this quick report on the PLASA Rigging Conference.

The inaugural conference was, in general, a good start. The format was one session at a time so everyone attended everything. Typically there was a speaker or two, a moderator, an expert panel and an audience of around 200. The majority of the sessions did not deal specifically with rigging but spent their time talking about government regulations. Mostly the discussion revolved around how to comply with rules that had nothing to do with the entertainment industry or how to get around them. There was also a fair amount of discussion about the differences in the rules between the various EU countries. Given the apparent high level of interaction between PLASA and the HSE, and other groups with their parent country versions of HSE, I was surprised at the lack of coordination and the seemingly lack of interest in combating the problem with standards. They are planning a conference for next year and my hope, and the feedback that I sent to them, is that they will spend more time on actual rigging issues and less time on regulations.

Ron Bonner said that he thought that the criticism was a bit unfair, since this was the first conference, but all comments and criticisms are being taken on board to make the conference better in the future.

## **10.2 Reports of affiliated organizations**

### **10.2.1 ASTC**

No report, said Bill Conner.

### **10.2.2 PLASA**

Ron Bonner reported that at the rigging conference there was a discussion of secondary suspensions as a safety feature. He pointed out that having a worker climbing a rig to install safeties puts that worker and anyone below him at risk. Is this risk less than the risk of a brake failure? He suggested that we need to do some research to find the frequency of braking system failures. He's had good response from chain hoist manufacturers so far. He has gone to manufacturers figuring that they have had to fix any brakes that failed, so they would have data on how frequently this happens.

Ron Bonner also described the project to write an industry standard on how to label a luminaire to show its artificial optical radiation risk. Bonner will be the primary author.

### **10.2.3 USITT**

Jerry Gorrell noted that comments are being solicited through 23 November on NFPA 80. He's concerned about the fire curtain chapter.

### **10.2.4 VPLT**

Ruling said that VPLT's most recent standards had been translated into English and vetted by a native English-speaker.

## **11 Other business – the PLASA/ESTA merger**

Lori Rubinstein reported on the progress with the merger.

Karl Ruling tried to explain the vision for the TSP, which has to address the needs of the US for formal standards and also be seen as a viable product for overseas markets, some of which may have no interest in American National Standards. There was discussion and some opposition to the notion of a "standards lite" development process outside the US.

## **12 Schedule for future meetings (16:55)**

It was announced that the next meeting will be Tuesday 25 January 2011, from 09:00 to 13:00 at the Dallas/Ft. Worth Marriott Solana in Westlake, TX.

The USITT meeting will be Wednesday 9 March, if we do our usual schedule.

**13 Adjournment**

Larry Schoeneman moved that the meeting adjourn. The motion was seconded. Hearing no objections, Mike Garl declared the meeting adjourned at 16:00.

**TSC Members and Contact Information as of 8 December 2010**

<b>Name</b>	<b>Company</b>	<b>Parent company or representation</b>	<b>Voting status</b>
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P
Eugene Leitermann	Theatre Projects Consultants, Inc.	Amer. Society of Theatre Consultants	A
James Niesel	Arup	Arup	P
Larry Schoeneman	DesignLab Chicago, Inc.	DesignLab Chicago, Inc.	P
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	P
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P
Ken Vannice	Leviton Manufacturing Co., Inc.	Leviton Manufacturing Co., Inc.	P
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	P
David Johnson	Live Design	Penton Media	O
Marian Sandberg	Live Design	Penton Media	O
Matthew Griffiths	PLASA	PLASA	P
Ron Bonner	PLASA	PLASA	A
Mark Engel	Rosco Laboratories	Rosco Laboratories	O
Mitch Hefter	Entertainment Technology	Royal Philips Electronics	P
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P
JR Reid	JR Lighting, Inc.	The PERA Council	P
Leigh Blicher	Videofax	The PERA Council	A
Bill Groener	Tim Hunter Design, LLC	Tim Hunter Design, LLC	P
Richard Cadena	Projection, Light & Staging News	Timeless Communications Corp.	P
Louis Bradfield	Louis Bradfield	USITT	A
Jerry Gorrell	Theatre Safety Programs	USITT	P
Florian von Hofen	VPLT	VPLT	O

**TSM's Report on TSP Projects  
For the 20 October 2010 TSC Meeting**

Possible TSC action items are in green.

**1 PUBLISHED DOCUMENTS**

- 1.1 Application Guide for ANSI E1.3 - 2001 Entertainment Technology Lighting Control Systems 0 to 10V Analog Control Specification (CPWG)**
- 1.2 Camera crane operator's handbook (CCWG)**
- 1.3 Introduction to Modern Atmospheric Effects, 4th edition (FSWG)**
- 1.4 ANSI E1.3 - 2001 (R2006), 0-10V analog control specification (CPWG)**
- 1.5 ANSI E1.4 - 2009, manual rigging systems (RWG)**
- 1.6 ANSI E1.5 – 2009, Entertainment Technology - Theatrical Fog Made With Aqueous Solutions Of Di- And Trihydric Alcohols**
- 1.7 ANSI E1.9 - 2007, reporting photometric data revision (PHWG)**
- 1.8 ANSI E1.11 - 2008, DMX512-A revision (CPWG)**
- 1.9 ANSI E1.14 - 2001 (R2007), recommendations for inclusions in fog equipment manuals (FSWG)**
- 1.10 ANSI E1.16 - 2002 (R2006), configuration standard for metal halide ballast power cables (EPWG)**
- 1.11 ANSI E1.19 - 2009, recommended practice for use of Class A GFCIs (EPWG)**
- 1.12 ANSI E1.22 – 2009, fire safety curtain systems (RWG)**
- 1.13 ANSI E1.25 - 2006, flat-wall photometry basic conditions (PHWG)**
- 1.14 ANSI E1.26 - 2006, floor energy absorption (FLWG)**
- 1.15 ANSI E1.27-1 - 2006, portable DMX512 cabling (CPWG)**
- 1.16 ANSI E1.27-2 – 2009, Entertainment Technology -- Recommended Practice for Permanently Installed Control Cables for Use with ANSI E1.11 (DMX512-A) and USITT DMX512/1990 Products (CPWG)**
- 1.17 ANSI E1.29 – 2009, Product Safety Standard for Theatrical Fog Generators that Create Aerosols of Water, Aqueous Solutions of Glycol or Glycerin, or Aerosols of Highly Refined Alkane Mineral Oil (FSWG)**
- 1.18 ANSI E1.30-3 – 2009, EPI 25, Time Reference in ACN Systems Using SNTP and NTP (CPWG)**

**1.19 ANSI E1.30-4 — 2010, EPI 26, (DDL) Extensions for DMX512 and E1.31 Devices**

The standard was approved by ANSI last month and is now published.

**1.20 ANSI E1.30-7 – 2009, EPI 29, Allocation of Internet Protocol Version 4 Addresses to ACN Hosts (CPWG)**

**1.21 ANSI E1.30-10 – 2009, EPI 32 Identification of Draft Device Description Language Modules (CPWG)**

**1.22 ANSI E1.31 – 2009, Lightweight streaming protocol for transport of DMX512 using ACN (CPWG)**

**1.23 ANSI E1.34 - 2009, Entertainment Technology-Measuring and Specifying the Slipperiness of Floors Used in Live Performance Venues (FLWG)**

**1.24 ANSI E1.35 - 2007, lens quality measurements for pattern projecting luminaires intended for entertainment use (PHWG)**

**1.25 ANSI E1.36 - 2007, model procedure for permitting the use of tungsten-halogen incandescent lamps and stage and studio luminaires in vendor exhibit booths in convention and trade show exhibition halls (PHWG)**

**1.26 Recommended Practice for Ethernet Cabling Systems in Entertainment Lighting Applications and the Supplement to the Recommended Practice for Ethernet Cabling Systems in Entertainment Lighting Applications (CPWG)**

**2 ACTIVE PROJECTS AND PROJECTS UNDER CONSIDERATION**

Things meriting possible action by the TSC at this meeting are highlighted in green.

**2.1 Camera Cranes Working Group**

**2.1.1 BSR E1.12, camera crane standard**

No measurable progress. The working group hasn't met in over a year. New leadership is to be identified by the PERA Council.

**2.1.2 Other Camera Cranes Working Group projects**

None

**2.2 Control Protocols Working Group**

**2.2.1 BSR E1.17, ACN**

The revision was in public review through August 23. It received no comments. The working group has approved the revision as an ANS. The motion is now on your table.

**2.2.2 BSR E1.20, a revision of ANSI E1.20-2006, Remote Device Management**

The draft standard is has been sent to the ESTA Board for approval as an ANS.

**2.2.3 BSR E1.30-1, EPI 23 Device Identification Subdevice**

The draft standard is has been sent to the ESTA Board for approval as an ANS.

#### **2.2.4 BSR E1.30-2, EPI 24 Internet Protocol Properties Subdevice**

It received one comment in the first public review, which ran from 11 July through 25 August 2008. The comment needs to be resolved. Task Group was optimistic in November 2009 that we would have a document for the USITT meeting. At that meeting, a draft document was promised for the July meeting.

#### **2.2.6 BSR E1.30-5, EPI 27 Operation of SDT on Wireless Networks**

The project has been terminated.

#### **2.2.7 BSR E1.30-6, EPI 28 Independent Device Location Properties**

The project has been terminated.

#### **2.2.8 BSR E1.30-8, EPI 30 Time Code Properties**

It received one comment in the first public review, which ran from 11 July through 25 August 2008. The comment still needs to be resolved.

#### **2.2.9 BSR E1.30-9, EPI 31 MIDI System Exclusive Properties**

It received one comment in the first public review, which ran from 11 July through 25 August 2008. The comment still needs to be resolved.

#### **2.2.10 BSR E1.33-200x, Extensions to E1.31 for Transport of ANSI E1.20 (RDM)**

Work needs to continue on a first draft.

#### **2.2.11 BSR E1.37-200x—Additional Message Sets for ANSI E1.20, Remote Device Management**

BSR E1.37-1 was in public review through July 26. It received a few comments. A set of draft resolutions and a revised document have been developed by Scott Blair et alia, and the CPWG will consider them at this LDI meeting.

#### **2.2.12 Possible New American National Standard Projects**

None right now.

#### **2.2.13 Other projects, other news**

**2.2.13.1** The CPWG is spearheading the CPWG Plugfests at our Texas meetings and the Connectivity Pavilion at LDI. This working group has also been the extremely active in planning LDI sessions.

**2.2.13.2** John Huntington has volunteered to maintain a CPWG Wiki to track the working group's many projects. Mike Wood has set it up for him.

### **2.3 Electrical Power Working Group**

#### **2.3.1 BSR E1.18, Recommended practice for selection, installation, and use of portable feeder cable**

The E1.18 project was split into two parts: an E1.18-1 covering conventional star-topology distribution systems and an E1.18-2 part covering ring systems—or something else. E1.18-2 has been put on hold indefinitely.

The E1.18-1 part was in public review from 9 January through 23 February 2009. A set of possible comment resolutions was drafted, but at the January 2010 EPWG meeting no progress was made on agreeing to accept any of the resolutions. To break that jam, the TSC directed me to issue a letter ballot with a separate question for each of the 226 resolutions. I did that, creating a 143-page letter ballot.

Enough people voted on the letter ballot that at least some of the resolutions were accepted without dissent, but others had some no votes or comments. I've broken the ballot results into seven documents:

YesResolsR1.pdf (everyone agrees on these resolutions; no further action needed)  
E1-18-1NonYes1thru41.pdf  
E1-18-1NonYes42thru72.pdf  
E1-18-1NonYes73thru128.pdf  
E1-18-1NonYes129thru155.pdf  
E1-18-1NonYes156thru190.pdf  
E1-18-1NonYes191thru226.pdf

The working group worked through the resolutions in E1-18-1NonYes1thru41.pdf at the July meeting in Westlake. They worked through E1-18-1NonYes42thru72.pdf in a two-hour teleconference working group meeting on September 22. E1-18-1NonYes73thru128.pdf, E1-18-1NonYes129thru155.pdf, and E1-18-1NonYes156thru190.pdf were worked through in a second teleconference working group meeting that was split over two days, September 29 and October 1. The last file needs to be worked on at this meeting.

The teleconference working group meetings were successful, but not well attended. We used Google Docs to allow people to see the document being discussed and edited. We used Ready Conference for the audio. The only problem with Google Docs for this purpose is that it does not support strikeout, but it does support font colors.

### **2.3.2 BSR E1.24, pin connector intermatability standard**

ANSI E1.24 – 2006 has been revised to make it more palatable to the UL 498 standards panel. It's been offered for public review, and several pin connector manufacturers have offered comments objecting to the specifications for the female connectors. The comments are constructive, but one wonders why they never spoke up before. Perhaps they didn't because as long as NRTLs didn't use E1.24 in product testing, what it said didn't matter. Now that it looks like NRTLs might, the manufacturers care.

### **2.3.3 BSR E1.32, luminaire maintenance guidance**

The document is in public review through 25 October 2010.

## **2.4 Fire Resistance Task Group**

At the March TSC meeting the TSC decided to reach out to the task group to get them moving again. I contacted Tom Andrews, the de facto leader of the group, and he said he'd work on reviving the task group and would have a report for the TSC for the July meeting. He did, but that's the end of my news about the group.

## **2.5 Floors Working Group**

No active projects

## **2.6 Followspot Position Working Group**

### **2.6.1 BSR E1.28, followspot position planning guidance document**

The TSC rejected the justification for rejecting Kasefang's rebuttal at the last meeting. The working group will meet by teleconference on 15 October to revise the justification. Probably the motion to accept it will be back on the TSC table at this LDI meeting.

So far, the working group feels that a 2,000 pounds concentrated load rating is the right recommendation. It has been the value in the document through all three public reviews. They came to that number in an odd way, but so far it's the number they feel is right to recommend. (The musings of the structural engineer

that came up with that number should never have been turned into formal text.) The working group might change the recommendation in its teleconference meeting, but I doubt they will.

### **2.6.2 Other Followspot Position Working Group projects**

None.

## **2.7 Fog & Smoke Working Group**

### **2.7.1 ANSI E1.23 — 2010, general fog effect planning standard**

The draft standard has been approved by ANSI. I've started work on laying it out for publication. I plan to have it done before LDI.

### **2.7.2 BSR E1.40, dust effects**

The first draft is in public review through 22 November.

## **2.8 Photometrics Working Group**

The Photometrics Working Group will look at a first draft of BSR E1.41, a standard to describe the output of LED-based luminaires, at this LDI meeting. Mike Wood is the main-man on this one. We've had some more manufacturers apply to join the working group because of their interest.

The E1.41 project might be disruptive in a positive way. It uses a Color Quality Scale developed by NIST instead of the usual CRI because CRI doesn't work well with line-spectra sources. NIST has been pushing CQS, but the CIE seems to be somewhat resistant, looking more for some sort of tweeking of CRI. If we publish an American National Standard that uses CQS, and our standard gets used, it will add power to NIST's efforts.

## **2.9 Rigging Working Group**

### **2.9.1 ANSI E1.1 - 2006, wire rope ladders**

The working group has voted to revise the standard to raise the load limits. Some work has been done on this. A revised draft document exists, but I haven't seen a new version for this RWG meeting.

### **2.9.2 ANSI E1.2 - 2006, aluminum towers and trusses**

The working group has voted to reaffirm the standard. They need to vote to offer it for public review.

### **2.9.3 BSR E1.6-1, powered winch hoist systems**

It was in public review through 15 February 2010. Fifteen responses were received: 14 from individuals and one from staff at Stagecraft Industries. Three-hundred sixty-six comments were offered. A task group has been appointed to work on a set of possible resolutions, and the task group has started work.

### **2.9.4 BSR E1.6-2, powered serially produced chain hoist systems**

It was in public review through 15 February 2010. Six people commented and offered 39 comments. The review was the sixth as BSR E1.6-2, the tenth if we count the four BSR E1.6 reviews before the project was split. The comments and possible resolutions were discussed by the working group at the last meeting. The working group now has a set of comment resolutions and a revised draft standard that the task group would like to have approved and offered for another public review.



### **2.9.5 BSR E1.6-3, safe use of serial manufactured electric chain hoists in the entertainment industry**

It was in public review until May 3. That was its first public review. Three people responded during the public review period and offered 57 comments. Work is being done to address the comments.

### **2.9.6 BSR E1.6-4, Control of Serially Manufactured Electric Chain Hoists in the Entertainment Industry**

The working group is voting to offer the standard for public review. The recirculated letter ballot closes 13 October. Some members of the working group have offered what are essentially public review comments in support of votes against offering it for public review. Unless there is a radical change in the votes, the working group will have approved the public review, and the motion will be on the TSC's table.

### **2.9.7 ANSI E1.8, speaker enclosures**

The existing standard was offered for public review from 6 August through 20 September 2010. No one commented. However, the working group voted to handle the reasons offered for no votes on public review letter ballot as public review comments, so the working group has to deal with them.

The reasons for voting No on the public review were offered as editorial revisions for style and clarity. Some are, but others are substantive changes. If we make substantive changes, we need to offer it for public review again. If we rewrite sections for clarity, the advice I have from Jay Moskovitz at ANSI is that we should document why the working group feels that the changes are not substantive, so we have justification if there is a challenge or if we are audited on this document. Some of the suggested improvements to the text remind me of Deming's examples of trying to fine-tune a machine that is operating within its tolerances. If you do, you only make the output variation worse!

I would prefer that the working group do what it originally voted to do: reaffirm the existing document. No one who actually makes, sells, or specifies speaker enclosures has objected to the document as it stands. No one wanting to make changes has a material stake in this standard, and none has said that the document is defective. They argue simply that it would be better if we change it. Whatever we do, if we do anything, it will be a substantial amount of work for a document we sell about a dozen copies of a year. Given that no one is arguing that the standard is defective, I don't think modifying it would be a good use of our resources. We're already busy and scheduled to get busier, and we'll never recoup the costs of the improvements. (We've earned no more than \$136 from the five copies sold so far this year.) I plan to make a business argument at the RWG meeting.

### **2.9.8 ANSI E1.15 - 2006, boom & base assemblies**

The working group is voting to offer the standard for public review. The recirculated letter ballot closes 13 October. Unless there is a radical change in the votes, the working group will have approved the public review, and the motion will be on the TSC's table.

### **2.9.9 ANSI E1.21 - 2006, portable roof systems**

The RWG has voted to fold the BSR E1.38 - 20xx, Temporary Ground-Supported Structures Used to Support Equipment in the Production of Outdoor Entertainment Events, Excluding Stage Roofs, project into a revision of E1.21. The two standards really cover the same sorts of structures. E1.21 would need to be revised, reaffirmed, or withdrawn next year anyway, so why not expand it to cover non-roof structures? A draft document has been sent to the Rigging Working Group as evidence of progress and to solicit comments. No action is expected at this meeting.

### **2.9.10 BSR E1.39 - 20xx, Entertainment Technology – Recommendations for the Use of Fall Protection on Temporary Suspended and Ground-Supported Structures**

This project is intended to establish minimum requirements for the selection and use of personal fall arrest systems on temporary structures in the entertainment industry. It also establishes minimum requirements for manufacturers and owners of these structures being used as work platforms. Rocky Paulson is the

main-man behind the project. The working group has seen a draft, but there is no new version for this RWG meeting.

### 2.10 Sub-stage Stage Machinery

See the stage lifts proposal from Bill Conner.

### 3 Other news of note

I've been participating in the US Technical Advisor Committee meetings on the ISO PC 250 project. This is the project to make the British standard for event management for sustainability and turn it into an ISO standard. The US has a very small voice in the ISO process, and with environmental issues seems to have just about zero moral clout. So far the US TAG has had relatively little of substance to say about the standard. It is being revised and reformatted to fit with the way ISO management standards are supposed to look and read, and there has been a lot of detailed word-smithing in the ISO meetings, but nothing really is changing. The US TAG's contributions have been to try to add explanatory text, but with little success. The US TAG's teleconference meetings are chaotic.

### 4 Other working group meeting documents

All the October 2010 working group meeting documents distributed as of today, 8 October, are available at

<http://www.esta.org/meetingfiles/cpwg/listfiles.php>

<http://www.esta.org/meetingfiles/epwg/listfiles.php>

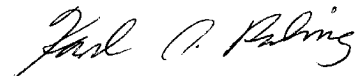
<http://www.esta.org/meetingfiles/fp/listfiles.php>

<http://www.esta.org/meetingfiles/photo/listfiles.php>

<http://www.esta.org/meetingfiles/rwg/listfiles.php>

<http://www.esta.org/meetingfiles/tsc/listfiles.php>

Respectfully submitted,



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