

**Minutes**  
Thursday, 9 March 2017  
St. Louis Marriott Grand  
800 Washington Ave., St. Louis, MO 63101

**Presiding co-chairpersons:**

Ken Vannice; Ken Vannice LLC; I; G  
Mitch Hefter; Mitch Hefter; USITT; P; U

**Recording secretaries:**

Karl Ruling and Erin Grabe; ESTA

**Members in attendance:**

Kevin Amick; IATSE Local 479; P; G  
Matthew Antonucci; Contract Services Administration Trust Fund; P; U  
Justin Bennett; University of the Incarnate Word; P; U  
Richard Cadena; Academy of Production Technology; O; G  
James Davey; AC Power Distribution Inc.; O; CP  
Nehad El-Sherif; I; G  
Jerry Gorrell; Theatre Safety Programs; P; U  
Edwin S. Kramer; I.A.T.S.E. Local 1; P; U  
Roger Lattin; I.A.T.S.E. Local 728; P; U  
Michael Lay; Philips Color Kinetics; Philips Lighting; P; MP  
Tyrone Mellon, Jr.; Lex Products; Lex TM3; P; CP  
Alan M. Rowe; I.A.T.S.E. Local 728; A; U  
Larry Schoeneman; DesignLab Chicago, Inc.; P; DR  
Steve Terry; Electronic Theatre Controls, Inc.; P; MP  
Stephen Vanciel; IATSE Local 631; P; U  
Art Wanuch; Entertainment Electrical Safety Association; P; G  
Keith S. Woods; Lakhri Impressions Ltd.; IATSE Local 891; P; U

**Visitors:**

Jerald Kraft; JTH Lighting  
Michael Steskar; JTH Lighting  
Jeff deRecat; SSRC

**1 Opening remarks**

Ken Vannice called the meeting to order at 9:03 a.m. CT.

**2 Attendance and membership**

**2.1 Introduction of those present and taking attendance**

A hot hot pink sign-in sheet was passed around the table.

**2.2 Determination of quorum**

Ken Vannice announced a supermajority present by a count of voters' raised hands.

**2.3 Recognition of alternate voting members**

None.

**2.4 Requirements for membership**

The following statement was read aloud to the assembly by Ken Vannice:

Membership is open to all who are affected by the work of the group. Voters who would be in the designer or dealer/rental company interest category in particular are encouraged to become members. There is an annual \$100 participation fee for all members. Voting members are required to attend meetings and to vote

on letter ballots. Voting members and their alternates may not miss three consecutive meetings or three consecutive letter ballots without a loss of voting status.

## 2.5 Changes to observer status

*There were no voters in jeopardy of a change to Observer status due to lack of attendance.*

## 2.6 Processing of new and other membership requests

As of 15 February, the following membership requests have been received:

- Rodger Dean; R. Dean Lighting Limited; DR (change in representation and interest category)
- Art Wanuch; Entertainment Electrical Safety Association [formerly EESCO] (change in name only)

Eddie Kramer moved to accept the applications, with voters not present being accepted as observers. The motion was seconded and approved by a unanimous show of hands.

## 2.7 Consensus body

The full consensus body of this group at the time of this meeting, including those not present, was:

Name	Representing	Voting status	Int cat
George Long	Aggreko	P	DR
Matthew Antonucci	Contract Services Administration Trust Fund	P	U
Larry Schoeneman	DesignLab Chicago, Inc.	P	DR
Don Earl	Earl Girls, Inc.	P	DR
Steve Terry	Electronic Theatre Controls, Inc.	P	MP
Art Wanuch	Entertainment Electrical Safety Association	P	G
Ian Foulds	Entertainment Electrical Safety Association	A	G
Hans Lau	Filmgear, Inc.	P	MP
Edwin S. Kramer	I.A.T.S.E. Local 1	P	U
Roger Lattin	I.A.T.S.E. Local 728	P	U
Alan M. Rowe	I.A.T.S.E. Local 728	A	U
Kevin Amick	IATSE Local 479	P	G
Stephen Vanciel	IATSE Local 631	P	U
Keith S. Woods	IATSE Local 891	P	U
Simon Hunt	IATSE Local 891	A	U
Ken Vannice	Ken Vannice LLC	I	G
Tyrone Mellon_Jr.	Lex TM3	P	CP
Bob Luther	Lex TM3	A	CP
Nehad El-Sherif	Nehad El-Sherif	I	G
Michael Lay	Philips Lighting	P	MP
Jerry Gorrell	Theatre Safety Programs	P	U
Justin Bennett	University of the Incarnate Word	P	U
Mitch Hefter	USITT	P	U
<b>Voting Status Key: P = Principal voter, A = Alternate voter, I = Individual voter</b>			
<b>Votes by Interest Category:</b>			
Custom-market producer		CP	1

Voting Status Key: P = Principal voter, A = Alternate voter, I = Individual voter		
Designer	DE	0
Dealer or rental company	DR	3
General interest	G	4
Mass-market producer	MP	3
User	U	8
<b>Total votes possible:</b>		19

### 3 Approval of the minutes from the previous meeting

See *EPmin01-2017.pdf*.

Roger Lattin moved to approve the minutes as drafted. The motion was seconded and approved by a show of hands, with one abstention.

### 4 Reading of the call for patents

The following statement was read aloud to the assembly by Ken Vannice:

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 this working group of the existence of a patent, patent application, copyright, or other intellectual property that might protect material in a standard being developed by this working group. You need not be the holder of the patent or copyright to notify this working group of its existence.

Nothing was revealed.

### 5 Reading of the anti-trust statement

The following statement was read aloud to the assembly by Ken Vannice:

ESTA and its members take seriously their obligation to comply with all applicable antitrust laws. Therefore, during this meeting and during all ESTA events, all discussions will be limited to those subjects that are permitted by the antitrust laws. All members should refrain from any discussion or mention of competitively sensitive subjects such as the current or future prices charged for any member product or services, current or future marketing plans or strategies, and current or future costs, including employee salaries. There also must be no agreement on the suppliers or customers that members will do business with or the markets in which members will conduct business.

Violations of the antitrust laws can have serious consequences. If you have any questions or concerns about anything that is discussed at a ESTA meeting, please bring your concern to ESTA management. An easy to read pamphlet describing the antitrust laws is available from the ESTA staff.

Erin Grabe and Karl Ruling held up copies of the pamphlets. Nothing was noted.

### 6 Approval of agenda

Steve Terry moved to approve the agenda as drafted. The motion was seconded and unanimously approved by a show of hands.

### 7 Old business - task group reports

**7.1 BSR E1.16-2002 (R201x) Configuration Standard for Metal Halide Ballast Power Cables** (Revision, reaffirmation, or withdrawal by 15 October 2017)

Ken Vannice noted that this standard was last reaffirmed in 2012, and is in letter ballot and public review through 3 April 2017.

**7.2 ANSI E1.19 – 2015, Recommended Practice for the Use of Class A Ground-Fault Circuit Interrupters (GFCIs) Intended for Personnel Protection in the Entertainment Industry** (Revision, reaffirmation, or withdrawal by 11 February 2020)

No news or action at this time.

**7.3 ANSI E1.24 – 2012 (R2017), pin connectors** (Revision, reaffirmation, or withdrawal by 23 February 2022)

Erin Grabe noted that this standard is approved and published. There was no other news or action at this time.

**7.4 ANSI E1.32 - 2012, Guide for the Inspection of Entertainment Industry Incandescent Lamp Luminaires** (Revision, reaffirmation, or withdrawal by 3 July 2017)

Ken Vannice noted that this standard was last reaffirmed in 2012, and is in letter ballot and public review through 3 April 2017. An interim summary was sent out which contained a Yes with Comments.

**7.5 A proposal about Portable Power Distribution Equipment for Canada**

*CSA-300 was in public review until 24 January 2017. After the January meeting, Ken Vannice's objections were circulated, and EPWG members were told how to submit their own comments. Any news or action at this time?*

Keith Woods said he heard that there were over one hundred negative comments from the U.S. And that the document will likely be massively rewritten. There was discussion about the comments and their process of comment resolution. Steve Terry asked who was on the committee, but no one knew. Ty Mellon reported that he applied to be on the committee and has received confirmation that he is on the committee, but has seen no documents or communication and he does not know who is on the committee save himself

Art Wanuch clarified that there were 158 comments received, which is a record number of comments on any CSA standard to date.

**7.6 BSR E1.51 - A Canadian E1.18**

*From the approved October 2016 minutes:*

*Comments were received and need to be resolved. See the comment summary, E1-51\_5thRevwCmmntSmmry\_r1.pdf. Draft comment resolutions to come or be developed by the working group.*

*From the draft January 2017 minutes:*

*Art Wanuch said that so many changes were being done to the Canadian Electrical Code that we would do well to delay action on this document until we see what those changes are. He moved that we delay action until our March meeting. The motion was seconded by Keith Woods. There was discussion. The motion was accepted by a show of hands and voice votes. Mitch Hefter announced that the motion carried.*

Art Wanuch spoke on the rewrite of section 10 and the feeder cable portion of section 66. Section 10 was voted down and, for now, is gone. Approval on the horizontal move of the section is with the Executive Committee with the intent of doing a public review by summer. EESO will have the opportunity to comment, but the process is rather unclear. After further discussion, Steve Terry said that there seems to be no reason to hold up this project at this time.

Since the resolutions and the revised draft were submitted to the group months prior to this meeting, Eddie Kramer said that the group should have further time to review the resolutions and current draft. He moved to postpone action on this item until a WebEx meeting between now and July. The motion was seconded and unanimously approved. A doodle poll will be done for the first week of April, said Mitch Hefter.

## **7.7 ANSI E1.53 - 2016, Overhead mounting of luminaires, lighting accessories, and other portable devices: specification and practice (Reaffirmation, revision, or withdrawal by 4 August 2021)**

No news or action at this time.

## **7.8 BSR E1.58, Electrical Safety Standard for Portable Stage and Studio Equipment Used Outdoors**

*The task group met on 17 February 2017. Any news or action at this time?*

See [BSR\\_E1-58\\_201x\\_EP-2015-7020r3.pdf](#).

Steve Vanciel moved to send the document that was distributed to the group for public review with the NFPA copyrighted material being reference by clause and not quoted. The motion was seconded and unanimously approved by a show of hands.

## **8 New business**

Justin Bennett spoke of not being aware of a standard or doc which defines “dims to zero.” Mitch Hefter said that the dimming style definitions would likely be done within IES, not here.

## **9 Other business**

### **9.1 NEC 2020**

*From the draft January minutes:*

*Steve Terry announced that the NEC is open for comments for the 2020 edition. (See <http://www.nfpa.org/codes-and-standards/all-codes-and-standards/list-of-codes-and-standards?mode=code&code=70&tab=nextedition>.) He then asked Ken Vannice how the USITT NEC comment aggregation committee planned to proceed. Ken Vannice said that he was willing to accept comments, so send them to him.*

*Steve Terry added that he will propose a class of conditions for cable called “protected applications,” which would be places where SJ cable can be used in Section 520 venues without failure. Ken Vannice said this proposal would bring 520 power cable requirements into line with Sections 518 and 530.*

Steve Terry reported on some proposals that had been drafted so far, many dealing with directly controlled luminaires and emergency lighting requirements. He said that he has a list of suggestions for corrections, additions, or deletions, and if anyone else has ideas but no time to craft the proposal, he could add them to his list.

Ken Vannice said that proposals are due by September.

### **9.1 TSP Funding**

Karl Ruling spoke to the underlying subtext in many of the Protocol articles in the latest edition. He noted the success of the campaign so far, but said that more fundraising is still needed.

### **9.2 Above & Beyond Awards**

Michael Lay said that the nomination site is open year-round at <http://tsp.esta.org/AboveandBeyond>.

### **9.3 Other other business**

Steve Terry announced the new ESTA Lifetime Technical Achievement Award. He read the criteria to the group.

## **10 Schedule for future meetings**

Visit <http://tsp.esta.org/tsp/meetings/index.php> for the most current schedule.

### **10.1 July meetings**

Ken Vannice said that the July meeting is scheduled for Sunday, 23 July, from 9:00 a.m. - 1:00 p.m. CDT at the D/FW Marriott Solana in Westlake, TX. Book your hotel early, because they sold out for the January meetings!

## **10.2 Fall meetings**

Karl Ruling explaining that the fall meetings will take place around LDI, as usual, but that meeting dates, times, and location are still to be determined. He did note that the Tropicana was a likely venue.

## **11 Adjournment**

Larry Schoeneman moved to adjourn. The motion was seconded. Hearing no objections or abstentions, Ken declared the meeting adjourned at 10:02 a.m. CT.

Electrical Power Working Group Members as of 9 March 2017

Name	Company	Representing	Voting status	Int cat
Kevin Amick	IATSE Local 479	IATSE Local 479	P	G
Matthew Antonucci	Contract Services Administration Trust Fund	Contract Services Administration Trust Fund	P	U
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	DR
Alyxander Bear	Insomniac	Insomniac	O	DE
Justin Bennett	University of the Incarnate Word	University of the Incarnate Word	P	U
Lee J. Bloch	Bloch Design Group, Inc.	Bloch Design Group, Inc.	O	G
Louis Bradfield	Louis Bradfield	Louis Bradfield	O	U
Richard Cadena	Academy of Production Technology	Academy of Production Technology	O	G
Ron Dahlquist	Dadco	Dadco	O	MP
James Davey	AC Power Distribution Inc.	AC Power Distribution Inc.	O	CP
Jeremy Day	Lumenpulse Lighting Inc.	Lumenpulse Lighting Inc.	O	MP
Rodger Dean	R. Dean Lighting Limited	R. Dean Lighting Limited	O	DR
Jim Digby	Event Safety Alliance	Event Safety Alliance	O	U
Marsha DuBois	Pintech Stage Connectors, Inc.	Pintech Stage Connectors, Inc.	O	CP
James Eade	ABTT	ABTT	O	G
Don Earl	Earl Girls, Inc.	Earl Girls, Inc.	P	DR
Nehad El-Sherif	Nehad El-Sherif	Nehad El-Sherif	I	G
Brian Eustace	Mole-Richardson Co.	Mole-Richardson Co.	O	CP
Trevor Forrest	Helvar Lighting Control	Helvar Lighting Control	O	MP
Ian Foulds	IATSE Local 873	Entertainment Electrical Safety Association	A	G
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U
Erin Grabe	ESTA	ESTA	exf	G
Mike Harwood	William F. White International	William F. White International	O	DR
Mitch Hefter	Mitch Hefter	USITT	P	U
Jim Holladay	Luxence	Luxence	O	G
Simon Hunt	IATSE Local 891	IATSE Local 891	A	U
Tyrone Mellon_Jr.	Lex Products	Lex TM3	P	CP
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
Charles (Chuck) Kurten	Underwriters Laboratories, Inc.	Underwriters Laboratories, Inc.	O	G
Roger Lattin	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	P	U
Hans Lau	Filmgear, Inc.	Filmgear, Inc.	P	MP
Michael Lay	Philips Color Kinetics	Philips Lighting	P	MP
Nathan Leonard	Bender Incorporated	Bender GmbH & Co. KG	O	MP
George Long	Aggreko Event Services	Aggreko	P	DR

Electrical Power Working Group Members as of 9 March 2017

Name	Company	Representing	Voting status	Int cat
Bob Luther	Lex Products	Lex TM3	A	CP
Pat Miller	Hubbell Wiring Devices	Hubbell Inc.	O	MP
Kevin O'Brien	Bestek Lighting & Staging	Bestek Lighting & Staging	O	U
Elizabeth E. (Lizz) Pittsley	Elizabeth Pittsley	Elizabeth Pittsley	O	U
Alan M. Rowe	IATSE Local 728	I.A.T.S.E. Local 728	A	U
Karl G. Ruling	ESTA	ESTA	exf	G
Larry Schoeneman	DesignLab Chicago, Inc.	DesignLab Chicago, Inc.	P	DR
Ford Sellers	Chauvet Lighting	Chauvet Lighting	O	MP
Mike Skinner	CBS Studio Center	Alliance of Motion Picture and Television Producers	O	U
Jonny Starr	TMB	TMB	O	MP
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	P	MP
Robert Timmerman	Philips Color Kinetics	Philips Lighting	O	MP
James Tomlinson	Team Tomlinson	Team Tomlinson	O	G
Stephen Vanciel	IATSE Local 631	IATSE Local 631	P	U
Ken Vannice	Ken Vannice LLC	Ken Vannice LLC	I	G
Art Wanuch	Entertainment Electrical Safety Association	Entertainment Electrical Safety Association	P	G
Colin Waters	TMB	TMB	O	DR
Keith S. Woods	Lakhri Impressions Ltd.	IATSE Local 891	P	U
Jeong Sik Yoo	Korea Testing Laboratory	Korea Testing Laboratory / Theatre Safety Center	O	DE

**Voting Status Key:** P = Principal voter, A = Alternate voter, I = Individual voter, O = Observer member, exf = Ex Officio member (staff)

**Interest Category Key:** CP = Custom-market producer, DE = Designer, DR = Dealer or rental company, G = General interest, MP = Mass-market producer, U = User