

Minutes
Electrical Power Working Group
Monday 27 September 2021
via WebEx

Presiding chairperson: Mitch Hefter

Recording secretaries: Richard Nix & Karl Ruling; ESDTA

Members attending:

Edwin S. Kramer; I.A.T.S.E. Local 1; P; U
Elizabeth E. (Lizz) Pittsley; Elizabeth Pittsley; P; U
Hans Lau; I.A.T.S.E. Local 728; A; U
Ian Foulds; Entertainment Electrical Safety Association; A; G
Jason Potterf; Cisco; P; MP
John Valus Jr.; Lex TM3; A; MP
Keith S. Woods; IATSE Local 891; P; U
Kevin Amick; IATSE Local 479; P; G
Michael Lay; Candela Controls, Inc; P; G
Mike Harwood; William F. White International; O; DR
Mike Skinner; Contract Services Administration Trust Fund; P; U
Mitch Hefter; USITT; P; U
Nehad El-Sherif; Nehad El-Sherif; I; G
Rick Montgomery; Motion Laboratories, Inc.; A; MP
Stephen Vanciel; IATSE Local 631; P; U

1 Opening remarks

Mitch Hefter called the meeting to order at 15:04. Explained that Justin Bennett is teaching a class, so he will be leading the meeting. He thanked everyone for their attendance, and reminded everyone to mute their microphones when not speaking.

2 Patent and anti-trust statements

2.1 Reading of the anti-trust statement

Mitch Hefter read the following statement aloud to the assembly:

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 or will not 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 an ESTA meeting, please bring your concern to ESTA management. An easy to read pamphlet describing the antitrust laws is available from the ESTA staff.

A copy of the pamphlet was displayed by Karl Ruling. No concerns were reported.

2.2 Reading of the call for patents

Mitch Hefter read the following statement aloud to the assembly:

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 protected 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.

No protected IP was reported.

3 Attendance and Membership

3.1 Requirements for membership

Mitch Hefter read the following statement aloud to the assembly:

Membership is open to all parties who are affected by the work of the group; membership in ESTA is not a requirement, but there is a \$100/person/year participation fee to help fund the costs of running the Technical Standards Program. Voting members are required to attend meetings and vote on letter ballots. Any principal member and alternate that both miss three consecutive meetings or letter ballots will have their membership status changed to observer. This action will be taken at the beginning of the first meeting after such inaction and will be recorded in the minutes of that meeting.

3.2 Introduction of attendees and taking attendance.

3.3 Determination of quorum

After counting voting attendees, Richard Nix reported that more than 50% of the voting body was present, enough to pass a motion needing a supermajority.

3.4 Processing of new and other membership requests

Kevin Amick requested change of status back to Principle voting. Ian Folds moved to approve the change. The motion was seconded and carried without objection or abstentions.

3.5 Changes to observer status due to lack of participation

Steve Brock, Guardian Entertainment Inc., had missed the previous two meetings and was not present for this meeting. He was moved to observer status.

3.6 Consensus body

Delegate	Representing	Voting status	Int. cat.
George Long	Aggreko	P	DR
Michael Lay	Candela Controls, Inc	P	G
Jason Potterf	Cisco	P	MP
Mike Skinner	Contract Services Administration Trust Fund	P	U
Matthew Antonucci	Contract Services Administration Trust Fund	A	U
Chris Moulton	Contract Services Administration Trust Fund	A	U
Don Earl	Earl Girls, Inc.	P	DR
Steve Terry	Electronic Theatre Controls, Inc.	P	MP
Wendy Russell	Electronic Theatre Controls, Inc	A	MP
Elizabeth E. (Lizz) Pittsley	Elizabeth Pittsley	P	U
Art Wanuch	Entertainment Electrical Safety Association	P	G
Ian Foulds	Entertainment Electrical Safety Association	A	G
Edwin S. Kramer	I.A.T.S.E. Local 1	P	U
Charles McIntyre	I.A.T.S.E. Local 728	P	U

Delegate	Representing	Voting status	Int. cat.
Alan M. Rowe	I.A.T.S.E. Local 728	A	U
Hans Lau	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 Wagner	Ken Wagner	I	U
Bob Luther	Lex TM3	P	MP
John Valus Jr.	Lex TM3	A	MP
Mark Pollock	Littelfuse, Inc.	P	MP
Mike Webb	Motion Laboratories, Inc.	P	MP
Rick Montgomery	Motion Laboratories, Inc.	A	MP
Michael Shaw	Motion Laboratories, Inc.	A	MP
Nehad El-Sherif	Nehad El-Sherif	I	G
Jerry Gorrell	Theatre Safety Programs	P	U
Robert Haycock	UC Berkeley	I	U
Justin Bennett	University of the Incarnate Word	P	U
Mitch Hefter	USITT	P	U
		Total votes possible	22
		0	CP
		0	DE
		2	DR
		4	G
		5	MP
		11	U

Key to codes:

- | | | | |
|---|------------------|----|------------------------|
| P | Principal voter | CP | Custom-market producer |
| A | Alternate voter | DE | Designer |
| I | Individual voter | DR | Dealer/Rental company |
| | | G | General interest |
| | | MP | Mass-market producer |
| | | U | User |

4 Approval of the minutes from the previous meeting

[See *EPmin07-2021_DRAFT.pdf*]

Keth Woods moved to accept the draft minutes as written. The motion was seconded. The motion was approved.

5 Approval of agenda

Keith Woods moved to approve the agenda. The motion was seconded and carried without objection or abstentions.

6 Old business

6.1 ANSI E1.16 – 2002 (R2017) Entertainment Technology – Configuration Standard for Metal Halide Ballast Power Cables

The document is in public review for reaffirmation with a concurrent letter ballot until 05 October 2021. Karl Ruling reported no public review comments so far.

6.2 BSR E1.19, Recommended Practice for the Use of Class A Ground-Fault Circuit Interrupters (GFCIs) Intended for Personnel Protection in the Entertainment Industry (Revision of the 2015 edition)

Task group: Justin Bennett, one representative from Lex (Bob Luther or John Valus Jr.), Ian Foulds, Nehad El Sherif, Mike Skinner, one representative from I.A.T.S.E. Local 728 (Alan Rowe), and one representative from I.A.T.S.E. Local 891 (Keith Woods or Simon Hunt).

The letter ballot to accept this revised version as ANS ended with all voting in favor. The motion is now on the TSC's meeting agenda reported Karl Ruling.

6.3 ANSI E1.24 – 2012 (R2017), pin connectors

Revision, reaffirmation, or withdrawal by 23 February 2022

The document is in public review for reaffirmation with a concurrent letter ballot until 05 October 2021. Karl Ruling reported no public review comments so far.

6.4 ANSI E1.32 – 2012 (R2017), Guide for the Inspection of Entertainment Industry Incandescent Lamp Luminaires

Revision, reaffirmation, or withdrawal by 15 September 2022.

No news or action.

6.5 ANSI E1.51 – 2018, The Selection, Installation, and Use of Single-Conductor Portable Power Feeder Cable Systems for Use At 600 Volts Nominal or Less for the Distribution of Electrical Energy in the Television, Film, Live Performance and Event Industries in Canada

Revision, reaffirmation, or withdrawal by 7 November 2023.

No news or action.

6.6 ANSI E1.53 – 2019, Overhead mounting of luminaires, lighting accessories, and other portable devices: specification and practice

Revision, reaffirmation, or withdrawal by 3 June 2024.

No news or action.

6.7 ANSI E1.58 – 2017, Indoor equipment outdoors

Reaffirmation, revision, or withdrawal by 11 October 2022.

No news or action.

6.8 BSR E1.65, Recommended practice for the periodic inspection, testing, and maintenance of Electrical and Electronic equipment used in the entertainment and live event industries

From the draft July meeting minutes:

Steve Terry moved that we abandon the project for lack of interest. The motion was seconded by Eddie Kramer. There shall be a letter ballot to decide the motion.

The TSC approved the motion to abandon the project. The working group also voted to abandon the project. Two voters did not return ballots. Notice will be sent to ANSI by ESTA's staff that the project is abandoned.

7 New business

None.

8 Other business and announcements

8.1 Above & Beyond Awards

Nominations can be made on the website, at http://tsp.esta.org/tsp/news/award_recipients.html.

8.2 IES report

Mitch Hefter said the IES has lots of projects. He's working on the controls narrative project, with a meeting on that topic later this week.

8.3 NEC report

NEC task groups are meeting now, reported Mitch Hefter, which is why we are missing Steve Terry and Wendy Russell from this EPWG meeting. Steve Terry is now the USITT Alternate for Code Making Panel 15 and Wendy Russell is the Principal. Hefter has been nominated to be Terry's Alternate on CMP 13. Bill Ellis has been nominated to be Jason Potterf's Alternate for ESTA on CMP 18.

Jason Potterf reported that some progress was being made on class 2 wiring for emergency lighting, keeping the requirements reasonable (e.g., not requiring Ethernet patch cords to be in metal conduit). He noted interest in cybersecurity for networked devices being pushed by NRTLs. No cybersecurity requirements are written into the NEC yet, but there is push for this, which would make a market for NRTLs to certify products.

Hans Lau complained about the TerraView tool that must be used to view and comment on NFPA documents.

8.4 USITT

Mitch Hefter reported that planning is underway for the Conference to be held in March 2022. It will be a hybrid event. He also reported that the USITT is revising its bylaws to fit NY state law. "Vice President" titles are to be removed, but the tasks will be done by someone.

9 Schedule for future meetings

The meeting schedule may be found at <http://www.esta.org/ESTA/meetings.php>.

The winter meetings will be via WebEx the week of 17 January 2022. The Winter NAMM Show in Anaheim has been pushed back to June 2022.

Keith Woods asked if people will still be able to join future face-to-face meetings by teleconference. Karl Ruling assured Woods that teleconferencing will not end; we will go back to the hybrid meetings we had before the pandemic. It is nice to meet face-to-face, but it is not reasonable to expect people to spend hundreds of dollars and time out of the office for a few hours of meeting.

10 Adjournment

Mitch Hefter thanked everyone for their attendance and for all of their hard work over the past year and a half, then declared the meeting adjourned at 15:39.

Electrical Power Working Group Members as of 4 October 2021

Delegate	Representation	Voting status	Int. cat.
Kevin Amick	IATSE Local 479	P	G
Matthew Antonucci	Contract Services Administration Trust Fund	A	U
Robert Barbagallo	Solotech Inc.	O	DR
Alyxzander Bear	Insomniac	O	DE
Justin Bennett	University of the Incarnate Word	P	U
Steve Brock	Guardian Entertainment Inc	O	DR
John (JA) Byerly	IATSE Local 479	O	G
Richard Cadena	Academy of Production Technology	O	G
James Davey	A.C.T. Lighting, Inc.	O	CP
Jeremy Day	Lumenpulse Group	O	MP
Rodger Dean	R. Dean Lighting Limited	O	DR
Jim Digby	Event Safety Alliance	O	U
Marsha DuBois	Pintech Stage Connectors, Inc.	O	CP
James Eade	ABTT	O	G
Don Earl	Earl Girls, Inc.	P	DR
Nehad El-Sherif	Nehad El-Sherif	I	G
Trevor Forrest	Helvar Lighting Control	O	MP
Ian Foulds	Entertainment Electrical Safety Association	A	G
Mike Garl	Mike Garl Consulting LLC	exf	
Jerry Gorrell	Theatre Safety Programs	P	U
Erin Grabe	ESTA	exf	G
Mike Harwood	William F. White International	O	DR
Robert Haycock	UC Berkeley	I	U
Mitch Hefter	USITT	P	U

Electrical Power Working Group Members as of 4 October 2021

Delegate	Representation	Voting status	Int. cat.
Simon Hunt	IATSE Local 891	A	U
Quinten James	QtoCue Lighting Design	O	U
John Valus Jr.	Lex TM3	A	MP
Jerald Kraft	JTH Lighting Alliance	O	G
Edwin S. Kramer	I.A.T.S.E. Local 1	P	U
Charles (Chuck) Kurten	Underwriters Laboratories, Inc.	O	G
Hans Lau	I.A.T.S.E. Local 728	A	U
Michael Lay	Candela Controls, Inc	P	G
George Long	Aggreko	P	DR
Bob Luther	Lex TM3	P	MP
Charles McIntyre	I.A.T.S.E. Local 728	P	U
Ty Mellon	Tyron J Mellon, Jr.	O	G
Rick Montgomery	Motion Laboratories, Inc.	A	MP
Chris Moulton	Contract Services Administration Trust Fund	A	U
Richard J. Nix	ESTA	exf	G
Elizabeth E. (Lizz) Pittsley	Elizabeth Pittsley	P	U
Mark Pollock	Littelfuse, Inc.	P	MP
Jason Potterf	Cisco	P	MP
Alan M. Rowe	I.A.T.S.E. Local 728	A	U
Karl G. Ruling	ESTA	exf	G
Wendy Russell	Electronic Theatre Controls, Inc	A	MP
Ford Sellers	Chauvet Lighting	O	MP
Michael Shaw	Motion Laboratories, Inc.	A	MP
Mike Skinner	Contract Services Administration Trust Fund	P	U

Electrical Power Working Group Members as of 4 October 2021

Delegate	Representation	Voting status	Int. cat.
Jonny Starr	TMB	O	MP
Steve Terry	Electronic Theatre Controls, Inc.	P	MP
Robert Timmerman	Signify	O	MP
Stephen Vanciel	IATSE Local 631	P	U
Ken Wagner	Ken Wagner	I	U
Art Wanuch	Entertainment Electrical Safety Association	P	G
Colin Waters	TMB	O	DR
Mike Webb	Motion Laboratories, Inc.	P	MP
Keith S. Woods	IATSE Local 891	P	U
Jeong Sik Yoo	Ghost LX	O	DE

Key to codes:

P	Principal voter	CP	Custom-market producer
A	Alternate voter	DE	Designer
I	Individual voter	DR	Dealer/Rental company
O	Observer	G	General interest
exf	Ex Officio (staff)	MP	Mass-market producer
		U	User