

Minutes
Electrical Power Working Group
Wednesday, 26 March 2014
Fort Worth Convention Center
Ft. Worth, TX

Presiding Co-chairpersons:

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

Recording Secretaries:

Erin Grabe; PLASA NA; exf; G

Members attending:

Matthew Antonucci; Contract Services Administration Trust Fund; P; U
Justin Bennett; I; U
James Davey; AC Power Distribution Inc.; P; CP
Casey Diers; DesignLab Chicago, Inc.; A; DE
Don Earl; Earl Girls, Inc.; P; DR
Tyrone Mellon_Jr.; Lex Products Corp.; P; CP
Roger Lattin; I.A.T.S.E. Local 728; P; U
Michael Lay; Philips Color Kinetics; Royal Philips; P; MP
George Long; Aggreko Event Services; Aggreko; P; DR
Gregory Quinkert; Motion Laboratories; P; MP
Alan M. Rowe; IATSE Local 728; A; U
Larry Schoeneman; DesignLab Chicago, Inc.; P; DR
Art Wanuch; Entertainment Electrical Safety Committee of Ontario; P; G

1 Opening remarks

Ken Vannice opened the meeting at 9:04 a.m. by welcoming everyone to beautiful downtown Fort Worth.

2 Attendance and membership

2.1 Introduction of those present and taking attendance

A bright blue sign-in sheet trailed self-introductions counter-clockwise around the table.

2.2 Determination of quorum

Ken Vannice announced that a supermajority was present after counting voters' raised hands.

2.3 Recognition of alternate voting members

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. 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

No voters were moved to Observer status due to lack of attendance.

2.6 Processing of new and other membership requests

As of 28 March 2014 no applications have been received:

Justin Bennett; I; U
James Davey; AC Power Distribution Inc.; O to P; CP

Casey Diers; DesignLab Chicago, Inc.; A; DE

Roger Lattin motioned to accept the applications. Larry Schoeneman seconded the motion. There were no abstentions or objections, and the motion passed by a show of hands.

2.7 Consensus body

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

Name	Representing	Voting status	Interest category
James Davey	AC Power Distribution Inc.	P	CP
George Long	Aggreko	P	DR
Nathan Leonard	Bender GmbH & Co. KG	P	MP
Torsten Gruhn	Bender GmbH & Co. KG	A	MP
Stephen (Steve) Brock	Bender GmbH & Co. KG	A	MP
Matthew Antonucci	Contract Services Administration Trust Fund	P	U
Larry Schoeneman	DesignLab Chicago, Inc.	P	DR
Casey Diers	DesignLab Chicago, Inc.	A	DR
Don Earl	Earl Girls, Inc.	P	DR
Steve Terry	Electronic Theatre Controls, Inc.	P	MP
Art Wanuch	Entertainment Electrical Safety Committee of Ontario	P	G
Ian Foulds	Entertainment Electrical Safety Committee of Ontario	A	G
Rodger Dean	Entertainment Electrical Safety Committee of Ontario	A	G
Ed Garstkiewicz	Harting KGAA	P	G
Howard Forryan	Harting KGAA	A	G
Edwin S. Kramer	I.A.T.S.E. Local 1	P	U
Roger Lattin	I.A.T.S.E. Local 728	P	U
R. Bruce Prochal	I.A.T.S.E. Local 728	A	U
Patric J. Abaravich	I.A.T.S.E. Local 728	A	U
Alan M. Rowe	I.A.T.S.E. Local 728	A	U
Keith S. Woods	IATSE Local 891	P	U
Justin Bennett	Justin Bennett	I	U
Ken Vannice	Ken Vannice LLC	I	G
Tyrone Mellon_Jr.	Lex Products Corp.	P	CP
Bob Luther	Lex Products Corp.	A	CP
Louis Bradfield	Louis Bradfield	P	U
Brian Eustace	Mole-Richardson Co.	P	CP
Alex Yoon	Mole-Richardson Co.	A	CP
Gregory Quinkert	Motion Laboratories	P	MP
Michael Lay	Royal Philips	P	MP
Jerry Gorrell	Theatre Safety Programs	P	U

Name	Representing	Voting status	Interest category
Mitch Hefter	USITT	P	U
Jeff T. Miller	Walt Disney Company	P	U
Voting Status Key: P = Principal voter, A = Alternate voter, I = Individual voter			
Votes by Interest Category:			
Custom-market producer		CP	3
Designer		DE	0
Dealer or rental company		DR	3
General interest		G	3
Mass-market producer		MP	4
User		U	9
Total votes possible:			22

3 Approval of the minutes from the previous meeting

See the draft minutes of the January 2014 meeting, *Epmin01-2014.pdf*

Roger Lattin moved to approve minutes. Larry Schoeneman seconded the motion. The motion passed with one abstention from Ken Vannice and no opposition.

4 Reading of the call for patents

The following statement was read aloud to the assembly by Mitch Hefter:

PLASA intends not to publish any standard that contains protected intellectual property, unless that information can be licensed by anyone for a reasonable fee. PLASA uses a process of open patent and copyright disclosures to implement its intent. PLASA 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 or 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 reported.

5 Reading of the NEW anti-trust statement

The following statement was read aloud to the assembly by Erin Grabe:

PLASA and its members take seriously their obligation to comply with all applicable antitrust laws. Therefore, during this meeting and during all PLASA 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 PLASA meeting, please bring your concern to PLASA management. An easy to read pamphlet describing the antitrust laws is available from the PLASA staff.

Nothing was reported.

6 Approval of agenda

Larry Schoeneman moved to approve the agenda. The motion was seconded and unanimously approved by a show of hands.

7 Old business - task group reports

7.1 EMC task group

Ken Vannice reported that the IEEE has shut down any NA attempt at the IEC standard. He noted that action by the Canadians on this subject will be of particular interest. Ken Vannice will continue to monitor the activity.

7.2 ANSI E1.16-2002 (R2012) Configuration Standard for Metal Halide Ballast Power Cables (Revision, reaffirmation, or withdrawal by 2017)

Nothing to report.

7.3 BSR E1.19 – 201x, Recommended Practice for the Use of Class A Ground-Fault Circuit Interrupters (GFCIs) Intended for Personnel Protection in the Entertainment Industry

In public review through 3 March 2014.

There was a brief discussion as to the comment content, with concern to the document and the intent of the draft. The task group is to craft comment resolutions for consideration by the working group. Draft text is necessary to determine if it qualifies as a substantive change. The task group will consist of Ty Mellon, Roger Lattin, and Art Wanuch.

7.4 ANSI E1.24 - 2012, pin connectors (Revision, reaffirmation, or withdrawal by 2017)

For informational purposes, Roger Lattin noted that there are some 30A pin connectors in the field.

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

Nothing to report.

7.6 Grounding and Bonding on portable structures

From the draft January minutes:

Art Wanuch reported that the task group members had met and are working on the project's scope and plan to present it at the next meeting. They plan to meet every first Tuesday of the month or so to work on the project. The group would like to meet before the EPWG meeting as part of the March meeting cycle.

The task group, consisting of Matthew Antonucci, Alan Rowe, Eddie Kramer, Roger Lattin, Ty Mellon, Richard Cadena, with Art Wanuch as the task group chair is scheduled to meet on Tuesday, 25 March.

The task group's document was displayed for the group. "Bonding and Grounding" was requested as new title. There was some discussion as to whether the task group is headed in the proper direction from the working group's initial charge.

After a brief discussion, Bonding and Grounding on Portable Structures was agreed upon by general consensus as the working title. Art Wanuch reported that the task group will need feedback as to whether this is a guide document or a recommended practice with more shoulds than shalls; The task group will collect feedback and look at filing a formal project proposal in July, if necessary.

7.7 BSR E1.51—A Canadian E1.18

Results of public review ballot. Ballot with extension for comment/reason recirculation ends EOD 28 February 2014.

Eddie Kramer's comment was brought up, and the group added "... in Canada" to the scope of the draft standard. Ty Mellon moved to approve offering the draft for public review. Roger Lattin seconded the motion, which was approved unanimously by a show of hands. The measure will be put forth to the TSC this afternoon;

Mitch Hefter added that the Yes with Comments from Ken Vannice will be dealt with during the public review.

7.8 CSA and UL harmonization

From the draft January minutes:

Steve Terry expressed interest in getting the CSA C22.2 Leakage Current Limits published so it can be used.

Ken Vannice commented that CSA and UL harmonization is moving toward a CSA rewrite. Should be close to going out to public review, which the working group will be informed of when possible.

7.9 BSR E1.52—19-Pin circular connectors

Update?

Ty Mellon reported that he hadn't made any progress on this document. There is still no scope and help is needed with getting manufacturers engaged and expanding the scope statement. The working group chairs will reach out to Colin Waters to find out his intention of continuing with this endeavor.

7.10 NEC proposals and 20 mA GFCI devices

See 20mA_GFCI_article.PDF.

From the draft January minutes:

Eddie Kramer moved that this working group draft proposals for changes to the NEC to support the use of class C GFCI in the entertainment industry, and that Steve Terry be the head of the task group in this effort. The motion was seconded by discussion and approved by a show of hands.

Steve Terry requested additional assistance, which Nathan Leonard offered from Bender. Steve Terry, Ken Vannice, Mitch Hefter, Eddie Kramer, and Alan Rowe will comprise the task group.

Update. Is this an EPWG project?

Mitch Hefter addressed the group. He announced that Steve Terry is working on an article to be published in Protocol on this subject of Code changes.

Ty Mellon announced that he is on the STP for GFCIs.

Ken Vannice announced that there would be little time to get proposals into the NEC, and that making this an EPWG project would be fruitless. Ken said that the entertainment industry may need to prepare to protect themselves from what other people put into the document. Ken Vannice proposed that a task group look at the possible changes and come up with a position that would protect us.

Mitch Hefter added that setting up a task group meeting the day/night before EPWG would be best. Item 1 on their agenda would be GFCIs; Item 2 would be anything else that may materially affect this industry. The task group will make a recommendation to the working group based on research into the proposals. Roger Lattin and Matt Antonucci are being added to the task group.

Roger Lattin motioned to expand the scope of the task group to include looking at other NEC proposals that may need to be submitted. Matt Antonucci seconded the motion, which was approved with one abstention by a show of hands.

Mitch Hefter added that the process is open, and while groups can submit proposals, individuals may also submit proposals. He recommended that people look at the online forms and contact Steve Terry with items of interest.

Ken Vannice announced a 10 minute break at 10:40 a.m. Resumed at 10:52 a.m.

8 New business

No new business.

9 Other business and announcements

Roger Lattin announced that he had a coupon for the hardcopy/electronic copy combo from NFPA. He also asked about “quick-ons” for zip cord and says that the packaging had a UL listing. Mitch Hefter and Ken Vannice suggested UL 498 as the most likely place to check for product listings.

9.1 Above & Beyond Awards

The nomination site is open year round at tsp.plasa.org/AboveandBeyond.

The nomination process and website were noted.

9.2 TSP sessions at LDI 2014

The TSP is currently accepting content to fill both the 90-minute educational sessions and in-booth presentations. The deadline for title, abstract, moderator, and panelist information is 10 April 2014.

Ty Mellon noted that a session on 100% rated breakers would be a good idea. Mitch Hefter added that a code update session or NFPA 70 session may be good, but to ask Jerry Gorrell for help with them.

10 Schedule for future meetings

The next meeting is scheduled for 9am on 25 July 2014, at the D/FW Marriott Solana in Westlake, TX.

11 Adjournment

Larry Schoeneman moved to adjourn. Michael Lay seconded the motion. Hearing no objections, Mitch Hefter declared the meeting adjourned at 11:05 a.m.

Name	Company	Representing	Voting status	Int. Cat.
Patric J. Abaravich	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	A	U
Matthew Antonucci	Contract Services Administration Trust Fund	Contract Services Administration Trust Fund	P	U
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	DR
Justin Bennett	Justin Bennett	Justin Bennett	I	U
Lee J. Bloch	Bloch Design Group, Inc.	Bloch Design Group, Inc.	O	G
Ron Bonner	PLASA Technical Resources Office	PLASA EU	O	U
Eric Bouchard	Cirque du Soliel	Cirque du Soliel	O	CP
Louis Bradfield	Louis Bradfield	Louis Bradfield	P	U
Stephen (Steve) Brock	Bender ET Inc.	Bender GmbH & Co. KG	A	MP
André Broucke	André Broucke	André Broucke	O	G
John (Javid) D. Butler	Integrated Theatre, Inc.	Integrated Theatre, Inc.	O	CP
Richard Cadena	Academy of Production Technology	Academy of Production Technology	O	G
Vincent J. Cannavale	Motion Laboratories	Motion Laboratories	O	CP
Michael J. Carnaby	Mikan Theatricals	Mikan Theatricals	O	DR
Edward R. Condit	Edward R. Condit	Edward R. Condit	O	U
James Davey	AC Power Distribution Inc.	AC Power Distribution Inc.	P	CP
Jeremy Day	Philips Color Kinetics	Royal Philips	O	MP
Rodger Dean	R. Dean Lighting Limited	Entertainment Electrical Safety Committee of Ontario	A	G
Kenny Delahoussaye	Aggreko	Aggreko	O	DR
Jeff deRecat	Marinco	Actuant Corporation	O	MP
Casey Diers	DesignLab Chicago, Inc.	DesignLab Chicago, Inc.	A	DR
Jim Digby	The Collaborative Endeavor Group	Linkin Park Touring/The Collective	O	U
William Drake	Marinco	Actuant Corporation	O	MP
Marsha DuBois	Pintech Stage Connectors, Inc.	Pintech Stage Connectors, Inc.	O	CP

Name	Company	Representing	Voting status	Int. Cat.
Steve DuBois	Pintech Stage Connectors, Inc.	Pintech Stage Connectors, Inc.	O	CP
James Eade	PLASA	PLASA EU	O	G
Don Earl	Earl Girls, Inc.	Earl Girls, Inc.	P	DR
Brian Eustace	Mole-Richardson Co.	Mole-Richardson Co.	P	CP
Jose J. Flores	Kino Flo, Inc.	Kino Flo, Inc.	O	MP
Trevor Forrest	Helvar Lighting Control	Helvar Lighting Control	O	MP
Howard Forryan	Harting Ltd.	Harting KGAA	A	G
Ian Foulds	IATSE Local 873	Entertainment Electrical Safety Committee of Ontario	A	G
Ed Garstkiewicz	Harting Inc., North America	Harting KGAA	P	G
Richard B. Glickman	Gliconen Corporation	Rosco Laboratories	O	MP
Reuben Goldberg	Technic Services	Technic Services	O	U
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U
Erin Grabe	PLASA NA	PLASA NA	exf	G
Bill Grande	Leviton Manufacturing Co., Inc.	Leviton Manufacturing Co., Inc.	O	MP
Torsten Gruhn	Bender Inc.	Bender GmbH & Co. KG	A	MP
Mitch Hefter	Mitch Hefter	USITT	P	U
Peter Herrmann	Motion Laboratories	Motion Laboratories	O	CP
David Herrmann	Motion Laboratories	Motion Laboratories	O	CP
Jim Holladay	Luxence	Luxence	O	G
Simon Hunt	IATSE Local 891	IATSE Local 891	O	U
Tyrone Mellon_Jr.	Lex Products Corp.	Lex Products Corp.	P	CP
Hiroshi Kita	Marumo Electric Co., Ltd.	Marumo Electric Co., Ltd.	O	MP
Wayne Kowalski	Coleman Cable Inc.	Coleman Cable Inc.	O	MP
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

Name	Company	Representing	Voting status	Int. Cat.
Roger Lattin	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	P	U
Michael Lay	Philips Color Kinetics	Royal Philips	P	MP
Marty Lazarus	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	O	DR
Nathan Leonard	Bender Group	Bender GmbH & Co. KG	P	MP
Dave Lester	Clair Global	Clair Global	O	U
George Long	Aggreko Event Services	Aggreko	P	DR
Bob Luther	Lex Products Corp.	Lex Products Corp.	A	CP
William L. Maiman	William L. Maiman	William L. Maiman	O	U
Paul F. Mardon	Pulsar Ltd.	Pulsar Ltd.	O	MP
Greg Mayberry	AC Power Distribution Inc.	AC Power Distribution Inc.	O	CP
Pat Miller	Hubbell Wiring Devices	Hubbell Inc.	O	MP
Jeff T. Miller	Worldwide Standards and Auditing	Walt Disney Company	P	U
Kevin O'Brien	Bestek Lighting & Staging	Bestek Lighting & Staging	O	U
Natti Pierce-Thomson	North American Theatre Technology	North American Theatre Technology	O	U
Elizabeth E. (Lizz) Pittsley	Elizabeth Pittsley	Elizabeth Pittsley	O	U
R. Bruce Prochal	IATSE Local 728	I.A.T.S.E. Local 728	A	U
Gregory Quinkert	Motion Laboratories	Motion Laboratories	P	MP
Alan M. Rowe	IATSE Local 728	I.A.T.S.E. Local 728	A	U
Karl G. Ruling	PLASA NA	PLASA NA	exf	G
Jared Saltzman	Jared Saltzman	Jared Saltzman	O	U
Larry Schoeneman	DesignLab Chicago, Inc.	DesignLab Chicago, Inc.	P	DR
Ford Sellers	Cornell University	Cornell University	O	U
Mike Skinner	CBS Studio Center	Alliance of Motion Picture and Television Producers	O	U
Jonny Starr	TMB	TMB	O	MP
Arnold Tang	Arnold Tang Productions	Arnold Tang Productions	O	G

Name	Company	Representing	Voting status	Int. Cat.
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	P	MP
Robert Timmerman	Philips Color Kinetics	Royal Philips	O	MP
Stephen Vanciel	Stephen Vanciel	Stephen Vanciel	O	U
Ken Vannice	Ken Vannice LLC	Ken Vannice LLC	I	G
Art Wanuch	Entertainment Electrical Safety Committee of Ontario	Entertainment Electrical Safety Committee of Ontario	P	G
Colin Waters	TMB	TMB	O	DR
Jody Williquette	Electrivers, Inc.	Electrivers, Inc.	O	CP
Richard Wolpert	Union Connector Company (MO)	Union Connector Company	O	CP
Keith S. Woods	Lakhri Impressions Ltd.	IATSE Local 891	P	U
Jiantong Wu	Beijing Special Engineering Design & Research Institute	Beijing Special Engineering Design & Research Institute	O	G
Alex Yoon	Mole-Richardson Co.	Mole-Richardson Co.	A	CP

Voting Status Key:

P = Principal voter, A = Alternate voter, I = Individual voter, O = Observer member

Interest Category Key:

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