

Minutes
Electrical Power Working Group
Friday 22 July 2011
Marriott Solana
Westlake, TX

Chairman: Ken Vannice; Leviton Manufacturing Co., Inc.

Recording secretary: Richard Cadena; PLASA

Members attending:

James Davey; AC Power Distribution Inc.; P
Jeff deRecat; Marinco (Actuant Corporation); P
George Long; Aggreko Event Services; P
Nathan Leonard; Bender Group; P
Steve Terry; Electronic Theatre Controls; P
Art Wanuch; Entertainment Electrical Safety Committee of Ontario; A
Ed Garstkiewicz; Harting Inc., North America; P
Edwin S. Kramer; I.A.T.S.E. Local 1; P
Roger Lattin; I.A.T.S.E. Local 728; P
Alan M. Rowe; IATSE Local 728; A
Ken Vannice; Leviton Manufacturing Co., Inc.; P
Tyrone Mellon Jr.; Lex Products Corp.; A
W. G. Krokaugger, P. E.; Mole-Richardson Co.; P
Vincent J. Cannavale; Motion Laboratories; P
Ron Bonner; PLASA Technical Resources Office; P
Michael Lay; Philips Color Kinetics (Royal Philips Electronics); P
Michael Scudday; SSRC, Inc.; P
Jerry Gorrell; Theatre Safety Programs; P
Mitch Hefter; Philips Controls (Royal Philips Electronics), USITT; P

Visitors:

Larry Schoeneman; DesignLab Chicago, Inc.

1 Opening remarks

Ken Vannice called the meeting to order at 9:03 and welcomed everyone.

2 Attendance and membership

2.1 Introduction of those present and taking attendance

2.2 Determination of quorum

There were 18 voting members present and Ken Vannice noted that it is enough for a quorum.

2.3 Recognition of alternate voting members

2.4 Requirements for membership

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

Voting members who have missed the previous two meeting and were in jeopardy of meeting the minimum attendance requirements included George Long, Keith S. Woods and Simon Hunt (IATSE Local

891), and Pete Herrmann, David Herrmann, and Vincent J. Cannavale (Motion Labs). Only Keith S. Woods and Simon Hunt were absent and were moved to observer status.

2.6 Processing of new membership requests

No new membership requests as of 1 July 2011.

2.7 Consensus body

The full consensus body during the meeting, including those not present, was:

Name	Representing	Voting status	Int. cat.
James Davey	AC Power Distribution Inc.	P	CP
Greg Mayberry	AC Power Distribution Inc.	A	CP
Jeff deRecat	Actuant Corporation	P	MP
William Drake	Actuant Corporation	A	MP
George Long	Aggreko	P	DR
Wendy Holt	Alliance of Motion Picture and Television Producers	P	G
Nathan Leonard	Bender GmbH & Co. KG	P	MP
Joe Boardman	Bender GmbH & Co. KG	A	MP
Torsten Gruhn	Bender GmbH & Co. KG	A	MP
Jody Williquette	Electrivers, Inc.	P	CP
Steve Terry	Electronic Theatre Controls, Inc.	P	MP
Elizabeth E. (Lizz) Pittsley	Elizabeth Pittsley	I	U
Ian Foulds	Entertainment Electrical Safety Committee of Ontario	P	G
Art Wanuch	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
Ken Vannice	Leviton Manufacturing Co., Inc.	P	MP
Bill Grande	Leviton Manufacturing Co., Inc.	A	MP
Bob Luther	Lex Products Corp.	P	CP
Tyrone Mellon_Jr.	Lex Products Corp.	A	CP
Sean Sloat	Lex Products Corp.	A	CP
Louis Bradfield	Louis Bradfield	I	U
W. G. Krokaugger_PE	Mole-Richardson Co.	P	CP
Alex Yoon	Mole-Richardson Co.	A	CP
Vincent J. Cannavale	Motion Laboratories	P	CP

Name	Representing	Voting status	Int. cat.
Peter Herrmann	Motion Laboratories	A	CP
David Herrmann	Motion Laboratories	A	CP
Ron Bonner	PLASA EU	P	U
Michael Lay	Royal Philips Electronics	P	MP
Michael Scudday	SSRC, Inc.	P	CP
Jerry Gorrell	Theatre Safety Programs	P	U
Mitch Hefter	USITT	P	U
	Total votes possible	22	
	Vote subtotals by interest categories	6	CP
		5	MP
		1	DR
		7	U
		3	G
		0	DE

3 Approval of the minutes from the previous meeting

(See the draft minutes of the 9 March 2011 meeting, Epmin03-2011.pdf.) Steve Terry moved to approve the meeting minutes and Michael Lay seconded. The motion was approved.

4 Reading of the call for patents

Ken Vannice read the following statement aloud to the assembly: "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."

No one spoke.

5 Reading of the anti-trust statement

Ken Vannice read the following statement aloud to the assembly: "The PLASA Board of Directors, the Technical Standards Council, and the leadership of this working group 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 TSC chair or PLASA chairman immediately.

"PLASA 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."

The Technical Standards Manager held up some of the easy-to-read pamphlets to show that they were available. No restraint of trade issues were reported.

6 Approval of agenda

Steve Terry asked to add to the agenda the UL 8750 STP meeting.

Steve Terry moved to approve the agenda. Jerry Gorrell seconded. The motion was approved by show of hands.

7 Old business - task group reports

7.1 EMC task group

Ken Vannice said the next meeting would be in November. He noted that NEMA published a 90-page document about grid impedance. The IEEE has two groups working on a North American approach to EN 61000-2.

7.2 ANSI E1.16-2002 (R2007)

Ken Vannice said that we have another year before we have to revisit the topic.

7.3 BSR E1.18 portable feeder cable selection and use

Consideration of new draft and revised resolutions, BSRE1-18-1r17.pdf and BSR_E1-18CommentResolution-Draft-r6.pdf.

The resolutions were changed to correct inconsistencies, and the draft standard also was changed to address other problems. After discussion, it was decided to change the heading on table 3.3 and the heading on section 3.33, eliminate definitions of “triped” and “triplexed,” and use the NEC definitions. Jerry Gorrell made a motion to accept these changes to the document and it was seconded by Steve Terry, passed by supermajority with a show of hands (two abstentions, no opposition).

Jerry Gorrell made a motion to take the document to public review, and it was seconded. The motion was approved by supermajority with a show of hands, with one abstention and no opposition.

7.4 ANSI E1.19 – 2009, Recommended Practice for the Use of Class A Ground-Fault Circuit Interrupters (GFCIs) Intended for Personnel Protection in the Entertainment Industry

No news and no action.

7.5 BSR E1.24 - 20xx, pin connectors

Report of the public review and plans to address comments. See E1-24CmmntSmmy2ndRevw.pdf.

On July 13, Steve Terry presented E1.24 to UL 498 IAG and they found a problem. Dave Lutz of Hubbell pointed out that we have 240V connectors with white markings on them. Before he would approve, he requires some footnote stating that 250V connectors will be connected line-to-neutral, not line-to-line. Steve Terry moved to correct 6T100 drawing and add wording which requires all 250V connectors with exception of 6T100 to be used in line-to-neutral applications, not line-to-line applications. (Edit Note 4 to read: “Type 5 connectors shall be used only in line-to-grounded neutral applications in both their 125V and 250V ratings. Type 6 connectors shall not be used for line-to-neutral applications.”) Eddie Kramer seconded the motion. There was no discussion and after a show of hands, it was approved by supermajority.

Eddie Kramer made a motion to forward the document for public review, but with only the two pages that were changed. It was seconded by discussion. The motion carried with a supermajority and no opposition on a show of hands.

Steve Terry moved to accept the revised version as an ANSI standard with a vote to be concurrent with public review, and it was seconded. The motion was approved by unanimous supermajority with no opposition on a show of hands.

7.6 BSR E1.32 luminaire inspection guidance

Consideration of proposed comment resolutions and revised draft.

See BSR_E1-32_2006-7016r9a.pdf and E1-32_ThrdPblcRvwRsltnsDraft.pdf

Jerry Gorrell moved to accept the proposed comment resolutions and to offer the revised draft for public review. It was seconded by Steve Terry. Eddie Kramer noted that Section 6 & 7 were removed, but the scope doesn't mention exclusion of automated luminaires, luminaires that use discharge lamps, or luminaires that use switch-mode power supplies. Steve Terry suggested changing the title to "Inspection of Entertainment Industry Incandescent Luminaires." The motion passed by a unanimous supermajority with a show of hands.

The task group as noted in minutes of March meeting is to address leakage current and will report at LDI in October.

8 New business

8.1 Steve Terry shared background on UL 8750, which mandates leakage current for LED modules (500 microamperes). Steve and Karl proposed changing leakage current but it was rejected, which means we're going to have fight to maintain independence of UL 1573. Steve suggested addressing it in an STP meeting. Karl said we need to put in 1573 that we need to categorize the health risk level.

The Chair assigned a task group to write a proposal for UL 1573. Karl Ruling is to head task group and Roger Lattin to be vice-chair. Steve Terry volunteered to write diversity markings proposals. Other members are Mike Lay (or a CK rep) and Ken Vannice.

8.2 It was noted that New York City has adopted the 2008 NEC, with it going into effect on July 1.

9 Other business

None.

10 Schedule for future meetings

Vannice announced that the next working group meeting is scheduled for Friday 28 October 2011, from 19:00 to 23:00, at the Hilton Orlando.

11 Adjournment

A motion to adjourn was made by Jerry Gorrell. It was seconded, and then passed with a unanimous show of hands.

Ken Vannice declared the meeting adjourned at 11:36.

Membership and Contact Information as of 4 October 2011

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
Daniel Ayers	Norcostco (Sales-Midwest)	Norcostco	O	DR
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	DR
Lee J. Bloch	Bloch Design Group, Inc.	Bloch Design Group, Inc.	O	G
Joe Boardman	Bender Inc.	Bender GmbH & Co. KG	A	MP
Ron Bonner	PLASA Technical Resources Office	PLASA EU	P	U
Eric Bouchard	Cirque du Soliel	Cirque du Soliel	O	CP
Louis Bradfield	Louis Bradfield	Louis Bradfield	I	U
André Broucke	André Broucke	André Broucke	O	G
John (Javid) D. Butler	Integrated Theatre, Inc.	Integrated Theatre, Inc.	O	CP
Vincent J. Cannavale	Motion Laboratories	Motion Laboratories	P	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
Kenny Delahoussaye	Aggreko	Aggreko	O	DR
Jeff deRecat	Marinco	Actuant Corporation	P	MP
William Drake	Marinco	Actuant Corporation	A	MP
Marsha DuBois	Pintech Stage Connectors, Inc.	Pintech Stage Connectors, Inc.	O	CP
Steve DuBois	Pintech Stage Connectors, Inc.	Pintech Stage Connectors, Inc.	O	CP
James Eade	PLASA	PLASA	O	G
Don Earl	Earl Girls, Inc.	Earl Girls, Inc.	O	DR
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

Name	Company	Representing	Voting status	Int. cat.
Ian Foulds	IATSE Local 873	Entertainment Electrical Safety Committee of Ontario	P	G
Douglas Franz	QVC Network	QVC Network	O	U
Phillip M. Gallo	TMB	TMB	O	DR
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
Bill Grande	Leviton Manufacturing Co., Inc.	Leviton Manufacturing Co., Inc.	A	MP
Torsten Gruhn	Bender Inc.	Bender GmbH & Co. KG	A	MP
Mitch Heffer	Philips Controls (Royal Philips Electronics)	USITT	P	U
Peter Herrmann	Motion Laboratories	Motion Laboratories	A	CP
David Herrmann	Motion Laboratories	Motion Laboratories	A	CP
Jim Holladay	Luxence	Luxence	O	G
Wendy Holt	AMPTP/CSATF	Alliance of Motion Picture and Television Producers	P	G
Simon Hunt	IATSE Local 891	IATSE Local 891	O	U
Richard L. Eberth_Jr.	North Shore Safety	Airpax Corporation	O	MP
Tyrone Mellon_Jr.	Lex Products Corp.	Lex Products Corp.	A	CP
Kirk D. Keen	Hollywood Lighting Services, Inc.	Hollywood Lighting, Inc.	O	DR
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
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 Electronics	P	MP
Marty Lazarus	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	O	DR

Name	Company	Representing	Voting status	Int. cat.
Nathan Leonard	Bender Group	Bender GmbH & Co. KG	P	MP
George Long	Aggreko Event Services	Aggreko	P	DR
Bob Luther	Lex Products Corp.	Lex Products Corp.	P	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.	A	CP
Pat Miller	Hubbell Wiring Devices	Hubbell Inc.	O	MP
Martin Moore	Martin Moore	Martin Moore	O	DE
David Murray	IPC Resistors Inc.	IPC Resistors Inc.	O	CP
Kevin O'Brien	Bestek Lighting & Staging	Bestek Lighting & Staging	O	U
W. G. Krokaugger_PE	Mole-Richardson Co.	Mole-Richardson Co.	P	CP
Natti Pierce-Thomson	North American Theatre Technology	North American Theatre Technology	O	U
Elizabeth E. (Lizz) Pittsley	Elizabeth Pittsley	Elizabeth Pittsley	I	U
R. Bruce Prochal	IATSE Local 728	I.A.T.S.E. Local 728	A	U
Alan M. Rowe	IATSE Local 728	I.A.T.S.E. Local 728	A	U
Larry Schoeneman	DesignLab Chicago, Inc.	DesignLab Chicago, Inc.	O	DE
Michael Scudday	SSRC, Inc.	SSRC, Inc.	P	CP
Ford Sellers	Cornell University	Cornell University	O	U
Mike Skinner	CBS Studio Center	Alliance of Motion Picture and Television Producers	O	U
Sean Sloat	Lex Products Corp.	Lex Products Corp.	A	CP
Arnold Tang	Arnold Tang Productions	Arnold Tang Productions	O	G
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	P	MP
Eric Tishman	Rosco Laboratories	Rosco Laboratories	O	MP
Stephen Vanciel	Stephen Vanciel	Stephen Vanciel	O	U
Ken Vannice	Leviton Manufacturing Co., Inc.	Leviton Manufacturing Co., Inc.	P	MP

Name	Company	Representing	Voting status	Int. cat.
Dominic Vincenty	TPS	Television Production Service	O	DR
Art Wanuch	Entertainment Electrical Safety Committee of Ontario	Entertainment Electrical Safety Committee of Ontario	A	G
Colin Waters	TMB	TMB	O	DR
Jody Williquette	Electrivers, Inc.	Electrivers, Inc.	P	CP
Richard Wolpert	Union Connector Company (MO)	Union Connector Company	O	CP
Keith S. Woods	Lakhri Impressions Ltd.	IATSE Local 891	O	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

Key to codes:

P principal voting member
A alternate voting member
I individual voting member
O observer, non-voting

MP mass-market producer interest category
CP custom-market producer interest category
DR dealer or rental company interest category
U user interest category
G general-interest interest category
DE designer interest category