

Minutes
Electrical Power Working Group
Friday 28 October 2011
Hilton, Orlando, FL

Chairman:

Ken Vannice; Leviton Manufacturing Co., Inc.; P; MP
Mitch Hefter; Philips Controls (Royal Philips Electronics), representing USITT; P; U

Recording secretary: Richard Cadena; PLASA

Members attending:

Ron Bonner; PLASA EU; P; U
Jeff deRecat; Marinco (Actuant Corporation); P; MP
Jerry Gorrell; Theatre Safety Programs; P; U
Mitch Hefter; Philips Controls (Royal Philips Electronics), representing USITT; P; U
Wendy Holt; AMPTP/CSATF, representing the Alliance of Motion Picture and Television Producers; P; G
Tyrone Mellon_Jr.; Lex Products Corp.; A; CP
Roger Lattin; I.A.T.S.E. Local 728; P; U
Michael Lay; Philips Color Kinetics (Royal Philips Electronics); P; MP
George Long; Aggreko Event Services (Aggreko); P; DR
W. G. Krokaugger_PE; Mole-Richardson Co.; P; CP
Alan M. Rowe; IATSE Local 728; A; U
Steve Terry; Electronic Theatre Controls; P; MP
Stephen Vanciel; O; U
Ken Vannice; Leviton Manufacturing Co., Inc.; P; MP
Art Wanuch; Entertainment Electrical Safety Committee of Ontario; A; G
Jody Williquette; Electrivot, Inc.; P; CP

Visitors:

Donald Anspach; Actuant Electrical-Marinco
Raymond Tucker; Raytronics
Dennis de la Mata; Studio Mechanics Local 476

1 Opening remarks

Mitch Hefter called the meeting to order at 7:03 and welcomed everyone.

2 Attendance and membership

2.1 Introduction of those present and taking attendance

A hot pink sign-in sheet was circulated while those present introduced themselves.

2.2 Determination of quorum

There were 14 voting members present and Mitch Hefter noted that it is enough for a quorum and a supermajority.

2.3 Recognition of alternate voting members

None were recognized.

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 Jody Williquette; Electrivert; principal; CP. Jody Williquette was in attendance and there was no change in voting status.

2.6 Processing of new membership requests

There were no new membership requests as of 4 October 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	Electrivert, 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

Name	Representing	Voting status	Int. cat.
Vincent J. Cannavale	Motion Laboratories	P	CP
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	
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 22 July 2011 meeting, *Epm07-2011.pdf*.

Roger Lattin moved to approve the meeting minutes and Ron Bonner seconded. One abstention - 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 patents or other protected intellectual property were revealed.

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 brought to the attention of the assembly.

6 Approval of agenda

Ken Vannice asked to add UL and their adoption of IEC standards.

Roger Lattin moved to approve the agenda. Wendy Holt seconded. The motion was approved by a unanimous show of hands.

7 Old business - task group reports

7.1 EMC task group

Ken Vannice reported that IEC 61000-32 and 312 with Canadian deviations was stopped. They are now in the process of writing a harmonized North American deviation version (IEEE) that exempts entertainment industry.

7.2 ANSI E1.16-2002 (R2007)

Mitch asked that we revisit the topic in one year.

7.3 BSR E1.18 portable feeder cable selection and use

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

The letter ballot came back with some “yes with comments” and some “no's.” There has not been a full two weeks before the meeting to review the comments. A task group made up of Jerry Gorrell, Elizabeth Pittsley, George Long, and Alan Rowe will review the comments and work to resolve them by March 2012.

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 or action required until 2014.

7.5 BSR E1.24 - 20xx, pin connectors

The document was approved by letter ballot and will now go the Executive Board for final approval.

7.6 BSR E1.32 luminaire inspection guidance

The public review comment period closed less than two weeks before this meeting. Not many comments were received. Steve Terry moved to resolve comments in the meeting and it was seconded by Mike Lay. The motion carried.

Each comment was discussed and resolutions were drafted. Steve Terry moved to accept the comment resolutions as discussed. The motion was seconded and approved by supermajority by a show of hands. The resolutions made no substantive changes to the draft standard.

Steve Terry moved to send the document with changes to letter ballot for acceptance as an American National Standard. The motion was seconded and approved by show of hands.

8 New business

Alan Rowe raised the issue of the use of lithium batteries in the entertainment industry. See Lithium Battery Guidance Document.

The TSC discussed the issue and deferred to a document under development by the NFPA. Alan Rowe has agreed to have additional consideration in light of the fact that the NFPA has started writing a standard.

Ken Vannice discussed potential problems and challenges with UL and their adoption of IEC standards. See *UL 508 Industrial control equipment*.

Ken reported that UL decided to harmonize UL 508 with IEC 60941 and that UL said 508 will not be discontinued.

Ken Vannice reported that UL 334 Theatre Switchboards has been drafted. The previous standards applied were UL891 and 508 for theatre dimmers.

Good and welfare – Roger Lattin reported that since USITT 2012 will be in Long Beach, CA, he suggests that anyone wishing to take the “Soft Copper Underbelly Tour” of Hollywood studios should contact him.

9 Other business

Report of the UL 1573 task group. Karl reported that the task group will report in January 2012.

10 Schedule for future meetings

Mitch Hefter announced that the next working group meeting is scheduled for Sunday 29 January 2012, from 09:00 to noon, at the Marriott Solana in Westlake, TX.

11 Adjournment

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

Mitch Hefter declared the meeting adjourned at 8:45.

Membership and Contact Information as of 8 November 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