

Minutes
Electrical Power Working Group
Friday, 22 January 2010
Dallas/Ft. Worth Marriott Solana
Westlake, Texas

Presiding chairman: Mitch Hefter; Entertainment Technology (Royal Philips Electronics), representing USITT; P; U

Recording secretary: Karl G. Ruling; ESTA

Members attending:

James Davey; AC Power Distribution Inc.; P; CP
Wendy Holt; AMPTP/CSATF, representing the Alliance of Motion Picture and Television Producers; P; G
Steve Terry; Electronic Theatre Controls, Inc.; P; MP
Art Wanuch; Entertainment Electrical Safety Committee of Ontario; A; G
Jody Williquette; Harting Inc., North America (Harting KGAA); P; G
Edwin S. Kramer; I.A.T.S.E. Local 1; P; U
Roger Lattin; I.A.T.S.E. Local 728; P; U
Tyrone Mellon Jr.; Lex Products Corp.; A; CP
W. G. Krokauger, P. E.; Mole-Richardson Co.; P; CP
Ron Bonner; PLASA; P; U
Michael Lay; Philips Strand Lighting (Royal Philips Electronics); P; MP
Michael Scudday; SSRC, Inc.; P; CP

Visitors: James (JR) Reid; JR Lighting
Mark Tye; Citation Support, Inc.

1 Opening remarks

Mitch Hefter welcomed all to the Dallas/Ft. Worth Metroplex. He noted the pleasant weather in Westlake, Texas, and said that many people we would expect to be attending this meeting were not because flights had been canceled or delayed due to bad weather elsewhere.

2 Attendance and membership

2.1 Introduction of those present and taking attendance

Those present introduced themselves while a salmon-colored attendance sign-in sheet was circulated.

2.2 Determination of quorum

Hefter counted the voters present and announced that we have a quorum and business can be conducted.

2.3 Recognition of alternate voting members

Tyrone Mellon Jr. was recognized as voting for Lex Products.

2.4 Requirements for membership

Hefter reminded the assembly that membership is open to all who are affected by the work of the group. Companies that would be in the 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 without a loss of voting status.

2.5 Changes to observer status

Members who have missed the previous two meetings and who will not have met the minimum attendance requirement for voters if this meeting is missed:

- Phillip M. Gallo; TMB

Mitch Heffer announced that Gallo is now an observer, since he is not present and has now missed three consecutive meetings.

Ron Bonner said he'd heard that Phillip Gallo is no longer with TMB. Someone else said that he has been back and then out again on a project basis, and that his status is uncertain. Ruling said he would keep him listed as an observer for TMB until he either heard definitively that he no longer works for TMB or emails to him start bouncing.

2.6 Processing of new membership requests

Ed Condit had applied as an observer in the user interest category.

Steve Terry moved that Condit's application be accepted. The motion was seconded and then approved with a show of hands.

Karl Ruling asked Art Wanuch why he is an observer member, since he has been attending meetings and his organization has a principal but no alternate. Art Wanuch asked to be granted voting status. Roger Lattin moved that Art Wanuch be accepted as an alternate member to Ian Foulds representing EESCO. The motion was seconded and then approved with a show of hands.

2.7 Consensus body

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

Name	Company	Representation (This is the sort field.)	Voting status	Int cat
James Davey	AC Power Distribution Inc.	AC Power Distribution Inc.	P	CP
Greg Mayberry	AC Power Distribution Inc.	AC Power Distribution Inc.	A	CP
George Long	Aggreko Event Services	Aggreko	P	DR
Wendy Holt	AMPTP/CSATF	Alliance of Motion Picture and Television Producers	P	G
Torsten Gruhn	Bender Inc.	Bender GmbH & Co. KG	P	MP
Joe Boardman	Bender Inc.	Bender GmbH & Co. KG	A	MP
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	P	MP
Elizabeth E. (Lizz) Pittsley	Elizabeth Pittsley	Elizabeth Pittsley	I	U
Ian Foulds	IATSE Local 873	Entertainment Electrical Safety Committee of Ontario	P	G
Art Wanuch	Entertainment Electrical Safety Committee of Ontario	Entertainment Electrical Safety Committee of Ontario	A	G
Jody Williquette	Harting Inc., North America	Harting KGAA	P	G
Ed Garstkiewicz	Harting Inc., North America	Harting KGAA	A	G
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
Roger Lattin	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	P	U
R. Bruce Prochal	IATSE Local 728	I.A.T.S.E. Local 728	A	U
Patric J. Abaravich	I.A.T.S.E. 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
Keith S. Woods	Lakhri Impressions Ltd.	IATSE Local 891	P	U
Simon Hunt	IATSE Local 891	IATSE Local 891	A	U
Ken Vannice	Leviton Manufacturing	Leviton Manufacturing Co., Inc.	P	MP
Bill Grande	Leviton Manufacturing Co., Inc.	Leviton Manufacturing Co., Inc.	A	MP
Bob Luther	Lex Products Corp.	Lex Products Corp.	P	CP
Tyrone Mellon Jr.	Lex Products Corp.	Lex Products Corp.	A	CP
Sean Sloat	Lex Products Corp.	Lex Products Corp.	A	CP

Name	Company	Representation (This is the sort field.)	Voting status	Int cat
Louis Bradfield	Louis Bradfield	Louis Bradfield	I	U
W. G. Krokaugger, P. E.	Mole-Richardson Co.	Mole-Richardson Co.	P	CP
Alex Yoon	Mole-Richardson Co.	Mole-Richardson Co.	A	CP
Vincent J. Cannavale	Motion Laboratories	Motion Laboratories	P	CP
Peter Herrmann	Motion Laboratories	Motion Laboratories	A	CP
David Herrmann	Motion Laboratories	Motion Laboratories	A	CP
Ron Bonner	PLASA	PLASA	P	U
Michael Lay	Philips Strand Lighting	Royal Philips Electronics	P	MP
Michael Scudday	SSRC, Inc.	SSRC, Inc.	P	CP
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U
Mitch Hefter	Entertainment Technology (Royal Philips Electronics)	USITT	P	U
		Total	21	
			5	CP
			4	MP
		Subtotals by interest category	1	DR
			8	U
			3	G

3 Approval of the minutes from the previous meeting

See the draft minutes of the November 2009 meeting, EPmin11-2009.pdf

Steve Terry moved that the draft minutes be accepted. The motion was seconded and then approved with a show of hands.

4 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 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 was called to the attention of the assembly.

5 Reading of the anti-trust statement

Mitch Hefter read the following statement aloud to the assembly:

"The ESTA Board of Directors, the Technical Standards Committee, 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 ESTA president immediately.

"ESTA 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."

Karl Ruling, ESTA's Technical Standards Manager, held up one of the easy-to-read pamphlets to show that copies were available. No restraint of trade issues were brought to the attention of the assembly.

6 Approval of agenda

Roger Lattin asked for an announcement about a wiring device problem under "Other business."

Mitch Hefter asked for an item about a revision to the CSA luminaire standard under "New business."

Eddie Kramer moved that the draft agenda so amended be accepted. The motion was seconded and then approved with a show of hands.

7 Old business - task group reports

7.1 EMC task group

The issue of CSA continuing to entertain the adoption of European standards for appliance harmonic emissions was discussed.

Steve Terry read aloud an email from Ken Vannice about a NEMA demonstration of CISPR testing for FCC radiation compliance:

NEMA has an emissions group that I am on. There is a proposal to petition the FCC to allow CISPR in lieu of FCC. There is a concern that if CISPR is allowed it will soon become the requirement. The two are way different. In order to make an informed decision NEMA is presenting a workshop at UL where both testing methods will be demonstrated. The workshop is called the EMF Summit. The first day is at UL Northbrook from 8-5 on Feb 4. The second day is at Philips Rosemont from 8-3 on Feb 5. For further information contact Alex Bosenberg at NEMA - Alex.Bosenberg @nema.org.

7.2 ANSI E1.16-2002 (R2007)

No news or action.

7.3 BSR E1.18 portable feeder cable selection and use

E1.18-1 public review comment resolution. See BSRE1-18-1r15.pdf and E1-18CmmntRsltnDraft_r2.pdf

Mitch Hefter asked people to jot down on a piece of paper the comment resolutions with which they disagree. The group was unwilling to do this, with the consensus being that this was an immense task for this meeting, given that there are 93 pages of comment resolutions and 226 comments. It was suggested that working group members simply send the comments they have to Jerry Gorrell, but it was pointed out that they were supposed to do this after the last meeting, but didn't do it. What would make the working group do anything different now?

There was a discussion of whether we want to continue with this project. We keep working on it, but don't make progress. Have we lost interest? Roger Lattin spoke of the need for the document.

Karl Ruling suggested that he could issue a letter ballot designed so that people could vote on the resolutions to the individual comments. Steve Terry moved that we issue such a letter ballot. The motion failed for lack of a second.

Steve Terry moved that we abandon the BSR E1.18 project. The motion was seconded. There was discussion. The argument for continuing was that there is a need for the document; the counter argument was that we are unable to make progress and cannot deliver the document to the market, needed or not. Some said that if this were a commercial R&D project, it would be dead. People argued that if we cannot proceed, we should abandon the project, but if we can proceed, we shouldn't.

Steve Terry withdrew the motion and Eddie Kramer withdrew his second. There was discussion of what we might do if this project didn't exist. In the ensuing discussion, Kramer argued that we need a document to preclude other organizations writing something that is more restrictive and that is incompatible with industry practices. Other people argued that whatever document we write needs to be short and simple. The topic just isn't so complicated that we need a large document.

The booklet *Television, Film, Live Performance and Event Electrical Guidelines* (ESA-SPEC-003) was discussed as a model or a document to adopt, with or without modifications. Art Wanuch volunteered to compare our E1.18 document with the ESA document to see if there is commonality.

Mike Lay moved that the chairman appoint a task group to decide what to do about the E1.18 project. The motion was seconded. Kramer spoke in support and suggested that Mike Lay should be the task group leader. The motion was approved by a show of hands. Mitch Hefter appointed Mike Lay as the chairman, with task group members to be appointed.

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

Report on letter ballot to change the notice and disclaimer.

Karl Ruling reported that the motion had been accepted. No further action by the working group was needed at this time.

7.5 BSR E1.24 - 20xx, pin connectors

Steve Terry reported that the task group has created a revised document. In the process, they identified a problem in pin connectors: Marinco and Mole Richardson do not build their pin connectors as specified in our existing standard. They have a larger opening in the insulator for the female contacts to allow them to be inserted from the front in manufacturing. We can modify the standard to allow this, so the female contacts can be inserted from the back or from the front.

There is also a problem with the set back dimension on the female contact for the safety grounding conductor. Some manufacturers have the contact flush with the face, while some have it set back.

The task group has identified a list of manufacturers and will send the draft to them as part of the task group's research. This should bring to light any other problems before there is a formal public review. The task group plans to have a version of the document for the working group to consider for a public review vote by USITT.

7.6 BSR E1.32 luminaire inspection guidance progress report

See BSR_E1-32_2006-7016r7.pdf.

There was a discussion of the comment resolution document. It was modified to make an R2 version, and the draft standard was changed to make an r8 version to reflect that slight change in the resolution document. Steve Terry moved accept the comment R2 resolutions and offer the revised draft standard for public review. The motion was seconded. The question will be decided by letter ballot.

8 New business

Mitch Hefter reported that Martyn Timmings had sent him an email from the ICLP committee in CSA. The committee is looking at updating the CSA standard for stage and studio luminaires. Are there Canadian ESTA members interested in working on this? There was discussion of who might be able to serve.

9 Other business

Roger Lattin handed around some cube-taps that he said the manufacturer had redesigned for less expensive manufacturing costs but much lower quality. Suggestions were offered for how complaints could be filed.

10 Schedule for future meetings

Mitch Hefter announced that the next working group meeting is scheduled for Wednesday, 31 March 2010, from 08:00 to 11:00 in the morning, at the Marriott Kansas City Downtown in Kansas City, Missouri. He noted that the airport is a \$50 cab ride away from the hotel, which is rather expensive. He suggested planning ahead to use some mode of transportation other than taxi.

11 Adjournment

Eddie Kramer moved that the meeting adjourn. The motion was seconded and then approved with a show of hands. Mitch Hefter declared the meeting adjourned at 11:50.

Working Group Membership and Contact Information as of 16 February 2010

Name	Company	Representing (primary sort field)	Voting status	Int. cat.
James Davey	AC Power Distribution Inc.	AC Power Distribution Inc.	P	CP
Greg Mayberry	AC Power Distribution Inc.	AC Power Distribution Inc.	A	CP
George Long	Aggreko Event Services	Aggreko	P	DR
Kenny Delahoussaye	Aggreko	Aggreko	O	DR
Richard L. Eberth Jr.	North Shore Safety	Airpax Corporation	O	MP
Wendy Holt	AMPTP/CSATF	Alliance of Motion Picture and Television Producers	P	G
Mike Skinner	CBS Studio Center	Alliance of Motion Picture and Television Producers	O	U
André Broucke	André Broucke	André Broucke	O	G
Arnold Tang	Arnold Tang Productions	Arnold Tang Productions	O	G
Jiantong Wu	Beijing Special Engineering Design & Research Institute	Beijing Special Engineering Design & Research Institute	O	G
Torsten Gruhn	Bender Inc.	Bender GmbH & Co. KG	P	MP
Joe Boardman	Bender Inc.	Bender GmbH & Co. KG	A	MP
Lee J. Bloch	Bloch Design Group, Inc.	Bloch Design Group, Inc.	O	G
Marty Lazarus	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	O	DR
Eric Bouchard	Cirque du Soliel	Cirque du Soliel	O	CP
Wayne Kowalski	Coleman Cable Inc.	Coleman Cable Inc.	O	MP
Ford Sellers	Cornell University	Cornell University	O	U
Don Earl	Earl Girls, Inc.	Earl Girls, Inc.	O	DR
Edward R. Condit	Edward R. Condit	Edward R. Condit	O	U
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	P	MP
Elizabeth E. (Lizz) Pittsley	Elizabeth Pittsley	Elizabeth Pittsley	I	U
Ian Foulds	IATSE Local 873	Entertainment Electrical Safety Committee of Ontario	P	G
Art Wanuch	Entertainment Electrical Safety Committee of Ontario	Entertainment Electrical Safety Committee of Ontario	A	G
Jody Williquette	Harting Inc., North America	Harting KGAA	P	G

Name	Company	Representing (primary sort field)	Voting status	Int. cat.
Ed Garstkiewicz	Harting Inc., North America	Harting KGAA	A	G
Trevor Forrest	Helvar Lighting Control	Helvar Lighting Control	O	MP
Kirk D. Keen	Hollywood Lighting Services, Inc.	Hollywood Lighting, Inc.	O	DR
Pat Miller	Hubbell Wiring Devices	Hubbell Inc.	O	MP
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
Roger Lattin	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	P	U
R. Bruce Prochal	IATSE Local 728	I.A.T.S.E. Local 728	A	U
Patric J. Abaravich	I.A.T.S.E. 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
Keith S. Woods	Lakhri Impressions Ltd.	IATSE Local 891	P	U
Simon Hunt	IATSE Local 891	IATSE Local 891	A	U
John (Javid) D. Butler	Integrated Theatre, Inc.	Integrated Theatre, Inc.	O	CP
David Murray	IPC Resistors Inc.	IPC Resistors Inc.	O	CP
Jose J. Flores	Kino Flo, Inc.	Kino Flo, Inc.	O	MP
Ken Vannice	Leviton Manufacturing	Leviton Manufacturing Co., Inc.	P	MP
Bill Grande	Leviton Manufacturing Co., Inc.	Leviton Manufacturing Co., Inc.	A	MP
Bob Luther	Lex Products Corp.	Lex Products Corp.	P	CP
Tyrone Mellon Jr.	Lex Products Corp.	Lex Products Corp.	A	CP
Sean Sloat	Lex Products Corp.	Lex Products Corp.	A	CP
Louis Bradfield	Louis Bradfield	Louis Bradfield	I	U
Jim Holladay	Luxence	Luxence	O	G
Phil Fram	Marinco	Marinco	O	MP
Jeff deRecat	Marinco/ADI	Marinco	O	MP
William Drake	Marinco	Marinco	O	MP
Hiroshi Kita	Marumo Electric Co., Ltd.	Marumo Electric Co., Ltd.	O	MP

Name	Company	Representing (primary sort field)	Voting status	Int. cat.
Michael J. Carnaby	Mikan Theatricals	Mikan Theatricals	O	DR
W. G. Krokaugger, P. E.	Mole-Richardson Co.	Mole-Richardson Co.	P	CP
Alex Yoon	Mole-Richardson Co.	Mole-Richardson Co.	A	CP
Vincent J. Cannavale	Motion Laboratories	Motion Laboratories	P	CP
Peter Herrmann	Motion Laboratories	Motion Laboratories	A	CP
David Herrmann	Motion Laboratories	Motion Laboratories	A	CP
Natti Pierce-Thomson	North American Theatre Technology	North American Theatre Technology	O	U
Marsha DuBois	Pintech Stage Connectors, Inc.	Pintech Stage Connectors, Inc.	O	CP
Steve DuBois	Pintech Stage Connectors, Inc.	Pintech Stage Connectors, Inc.	O	CP
Ron Bonner	PLASA	PLASA	P	U
James Eade	PLASA	PLASA	O	G
Paul F. Mardon	Pulsar Ltd.	Pulsar Ltd.	O	MP
Douglas Franz	QVC Network	QVC Network	O	U
Eric Tishman	Rosco Laboratories	Rosco Laboratories	O	MP
Richard B. Glickman	Gliconen Corporation	Rosco Laboratories	O	MP
Michael Lay	Philips Strand Lighting	Royal Philips Electronics	P	MP
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	DR
Michael Scudday	SSRC, Inc.	SSRC, Inc.	P	CP
Stephen Vanciel	Stephen Vanciel	Stephen Vanciel	O	U
Reuben Goldberg	Technic Services	Technic Services	O	U
Dominic Vincenty	TPS	Television Production Service	O	DR
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U
Colin Waters	TMB	TMB	O	DR
Phillip M. Gallo	TMB	TMB	O	DR
Charles (Chuck) Kurten	Underwriters Laboratories, Inc.	Underwriters Laboratories, Inc.	O	G

Name	Company	Representing (primary sort field)	Voting status	Int. cat.
Richard Wolpert	Union Connector Company (MO)	Union Connector Company	O	CP
Mitch Hefter	Entertainment Technology (Royal Philips Electronics)	USITT	P	U
William L. Maiman	William L. Maiman	William L. Maiman	O	U

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