

Minutes
Electrical Power Working Group
Friday, 16 January 2004
Dallas/Ft. Worth Airport Marriott South
Ft. Worth, TX

Chairmen presiding: Ken Vannice; Colortran (Leviton Manufacturing Co., Inc.); P; MP
Bob Luther; Lex Products Corp.; P; CP

Recording secretary: Karl G. Ruling; ESTA

Members attending: Michael Amorelli; AC Power Distribution Inc.; P; CP
Roger Lattin; I.A.T.S.E. Local 728; P; U
Stephen J. Kay; K-Tec Corporation; P; MP
William L. Maiman; Lex Products Corp.; A; CP
Louis Bradfield; I; U
Paul Menetrey; Menetrey Associates; P; G
Chris Guptill; Ohlone College; O; U (joined at this meeting)
James Eade; PLASA; P; G
Jerry Gorrell; Theatre Safety Programs; P; U
Richard D. Thompson; Thompson Associates; P; G
Mitch Hefter; Entertainment Technology (Genlyte Thomas Group), representing
USITT; P; G

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

Visitors: None.

1 Opening remarks

The meeting was called to order by Ken Vannice at 08:07.

2 Attendance and membership

2.1 Introduction of those present and taking attendance

Those present introduced themselves while an attendance sign-in sheet was circulated.

Roger Lattin reported that Eddie Kramer had sent his regrets. He was not able to come because of the death of a close member of his family. Roger Lattin circulated condolence cards for signatures.

2.2 Determination of quorum

Ken Vannice determined that a quorum was present and announced that the business of the meeting could be conducted.

2.3 Recognition of alternate voting members

There were none to recognize.

2.4 Requirements for membership

Vannice reminded the assembly that membership is open to all who are affected by the work of the group, but that 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 Processing of new membership requests

Chris Guptill of Ohlone College applied as an observer in the user category. Richard Thompson moved that his application be accepted. The motion was seconded. The motion was approved by a unanimous voice vote.

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

Name	Company	Representing	Voting status	Int. cat.
Michael Amorelli	AC Power Distribution Inc.	AC Power Distribution Inc.	P	CP
James Davey	AC Power Distribution Inc.	AC Power Distribution Inc.	A	CP
Jeff deRecat	Advanced Devices, Inc.	Advanced Devices, Inc.	P	MP
Bud Toly	Advanced Devices, Inc.	Advanced Devices, Inc.	A	MP
George Long	Aggreko Global Event Services	Aggreko LLC	P	DR
Kenny Delahoussaye	Aggreko	Aggreko LLC	A	DR
Wolfgang Hofheinz	Bender GmbH & Co. KG	Bender GmbH & Co. KG	P	MP
Joe Boardman	Bender Inc.	Bender GmbH & Co. KG	A	MP
Wayne Kowalski	Coleman Cable Inc.	Coleman Cable Inc.	P	MP
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	P	MP
Pat Miller	Hubbell Wiring Devices	Hubbell Inc.	P	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
Stephen J. Kay	K-Tec Corporation	K-Tec Corporation	P	MP
Ken Vannice	Colortran	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
William L. Maiman	Lex Products Corp.	Lex Products Corp.	A	CP
Louis Bradfield	Louis Bradfield	Louis Bradfield	I	U
Paul Menetrey	Menetrey Associates	Menetrey Associates	P	G
Michael Klein	Metropolitan Engineering, Inc.	Metropolitan Engineering, Inc.	P	G
W. G. Krokaugger P.E.	Mole-Richardson Co.	Mole-Richardson Co.	P	CP
James Eade	PLASA	PLASA	P	G
Richard B. Glickman	Gliconen Corporation	Rosco Laboratories	P	MP
Eric Tishman	Rosco Laboratories	Rosco Laboratories	A	MP
William N. Masten	SMS Inc. / PGS LLC	SMS Inc. / PGS LLC	P	CP
Richard A. Prey	SMS Inc. / PGS LLC	SMS Inc. / PGS LLC	A	CP
Michael Lay	Strand Lighting	Strand Lighting Ltd.	P	MP
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U
Richard D. Thompson	Thompson Associates	Thompson Associates	P	G
Brian Dowd	TMB (NJ)	TMB	P	MP
Colin Waters	TMB	TMB	A	MP
Mitch Hefter	Entertainment Technology (Genlyte Thomas Group)	USITT	P	U
			24 total	10 MP 4 CP 1 DR 5 U 4 G

3 Approval of the minutes from the previous meeting

Roger Lattin moved that the draft minutes of the November meeting be approved. The motion was seconded. There was no discussion. The motion was approved with a unanimous voice vote.

4 Reading of the call for patents

The following statement was read aloud to the assembly by Ken Vannice:

"ESTA intends to publish no standard that contains protected intellectual property, unless that property can be licensed by anyone for a reasonable fee. ESTA uses a process of open patent disclosure to implement this intent. ESTA does not conduct patent searches and does not warrant that its standards contain no protected intellectual property.

"In keeping with the open disclosure policy, I ask if anyone present wishes to notify the working group of the existence of a patent or copyright that might protect material in a standard being developed by the working group. You need not be the holder of the patent or copyright in order to notify the working group of its existence."

No patent issues were brought to the attention of the group.

5 Reading of the anti-restraint of trade statement

The following statement was read aloud to the assembly by Ken Vannice:

"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 \$100,000 and imprisoned for up to three years. An easy to read pamphlet describing restraint of trade issues is available from the Technical Standards Manager."

Ruling held up some of the easy-to-read pamphlets. No restraint of trade issues were brought to the attention of the assembly

6 Approval of agenda

Roger Lattin moved that the draft agenda be accepted without modification. The motion was seconded. The motion was approved with a unanimous voice vote.

7 Old business - task group reports

7.1 EMC task group

Vannice revealed that Pierre de Saulet of Leviton was the person in Canada who managed to get CSA to drop the 61000 adoption idea. He had no other news.

7.2 BSR E1.24 pin connectors [Hefter or Vannice]

Mitch Hefter reported that they have some comments from within the task group on the draft that they have been developing. There is a task group meeting scheduled for this meeting cycle, at which these comments will be addressed.

There was a discussion of the cables that can be used with a pin connector and whether this standard should address that. There was a long discussion of the assumptions about the use environment and the kinds of cable used that UL makes when testing pin connectors and other connectors. With the current draft, there is some information in an informative annex (not mandatory) that deals with the assumptions that are appropriate.

Mitch Hefter reminded people that the focus of this standard is to ensure intermateability rather than to be a standard about all the technical issues related to pin connectors. The consensus was that this focus should be maintained.

There was discussion of how to offer user guidance so that the electrician in the field knows when a connector pair's fit is not right and the two should not be used together or that repairs or maintenance are needed. The consensus was that this kind of guidance would be given in a different document.

7.3 BSR E1.18 portable feeder cable selection and use task group

There was no new version of the document available for this meeting. Vannice urged people to get a section DONE. Bob Luther urged the group to split the work up, to use the reflector, to do whatever is needed so that the work can be shared and progress is not dependent on the work schedule of one person.

7.4 BSR E1.19 GFCI task group

Bob Luther said that he had tried to address all the comments in the current draft that was sent to the working group. He described what he wants to include in the document to make it more informative for our audience.

Vannice pointed out that earth-leakage testing is not required for lighting equipment used in our industry and it is not required for most dimmers. This causes problems with ground fault protection devices; the normal earth leakage of functioning equipment causes the GFP trips. This led to a long discussion of Portable Appliance Testing and how one knows that what it is, how to do it, or why it is a good idea.

This led to a more detailed discussion of ground fault leakage testing and how to do it. Steve Kay said he would write some simple instructions on how to test equipment.

8 New business

Mitch Hefter gave a summary of the recent NEC meetings. The various proposals are in a recirculation ballot at this time.

9 Other business

Bob Luther urged people to use the email reflectors.

Richard Thompson urged people to cite and use *Webster's New Dictionary of Media and Communications*. He said that it included many of the terms we need to use.

10 Changes to observer status with third meeting missed

With this meeting, the following voting members had missed three consecutive meetings:

Steve Terry, representing Electronic Theatre Controls

Eric Tishman and Richard B. Glickman, representing Rosco Laboratories

Ken Vannice announced that the above people had failed to meet the attendance requirements for voters and shall now be listed as observers.

11 Schedule for future meetings

Ken Vannice announced that the next meeting is scheduled for Wednesday, March 17 from 8:00 to noon, at the Westin Long Beach in Long Beach, California. The following meeting will be on Friday, July 16, from 8:00 to noon, here at the Dallas/Ft. Worth Airport Marriott South.

Roger Lattin announced that he is trying to organize a studio tour when the group meets in Long Beach. He asked interested people to identify themselves to him.

Vannice announced that the Canena group will meet Sunday and Monday, March 21 and 22, at the CBS Studios in Studio City.

12 Adjournment

Richard Thompson moved that the meeting adjourn. The motion was seconded. The motion was approved by a unanimous voice vote. The meeting was declared adjourned by Ken Vannice at 10:10.

Electrical Power Working Group Membership and Contact Information as of 2004-02-10

Name	Company	Representing (This is the primary sort field.)	Voting status	Int. cat.
Michael Amorelli	AC Power Distribution Inc.	AC Power Distribution Inc.	P	CP
James Davey	AC Power Distribution Inc.	AC Power Distribution Inc.	A	CP
Andre Broucke	ADB - TTV Technologies	ADB-TTV Group	O	MP
Jeff deRecat	Advanced Devices, Inc.	Advanced Devices, Inc.	P	MP
Bud Toly	Advanced Devices, Inc.	Advanced Devices, Inc.	A	MP
George Long	Aggreko Global Event Services	Aggreko LLC	P	DR
Kenny Delahoussaye	Aggreko	Aggreko LLC	A	DR
Mike Skinner	CBS Studio Center	Alliance of Motion Picture and Television Producers	O	U
Arnold Tang	Arnold Tang Productions	Arnold Tang Productions	O	G
Lowell R. Nutter	Array Connector Corp.	Array Connector Corp.	O	MP
Wolfgang Hofheinz	Bender GmbH & Co. KG	Bender GmbH & Co. KG	P	MP
Joe Boardman	Bender Inc.	Bender GmbH & Co. KG	A	MP
Lee J. Bloch	Blue Sky Design, Ltd.	Blue Sky Design, Ltd.	O	G
Wayne Kowalski	Coleman Cable Inc.	Coleman Cable Inc.	P	MP
Jeffrey Measley	Crouse-Hinds Molded Products	Cooper Crouse-Hinds Molded Products Inc.	O	MP
Stewart Cox	Crouse-Hinds Molded Products	Cooper Crouse-Hinds Molded Products Inc.	O	MP
Ron Dahlquist	Dadco	Dadco	O	MP
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	O	MP
Art Wanuch	M.C. Lights & Manufacturing, Ltd.	Entertainment Electrical Safety Committee of Ontario	O	G
Trevor Forrest	Helvar Lighting Control	Helvar Lighting Control	O	MP
Pat Miller	Hubbell Wiring Devices	Hubbell Inc.	P	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
Richard Thornton Brown	Zero 88 Ltd.	i Light Group PLC	O	MP
Gian Carlo C. Bartolotti	Ibeam SP / Banco de Eventos	Ibeam SP / Banco de Eventos	O	U
Bill Kanne	Illumination Dynamics	Illumination Dynamics	O	U
Kevin Stolpe	Illumination Dynamics	Illumination Dynamics	O	U
Stephen J. Kay	K-Tec Corporation	K-Tec Corporation	P	MP
Jose J. Flores	Kino Flo, Inc.	Kino Flo, Inc.	O	MP
Don Gray	Kohler Event Services	Kohler Co.	O	U
Ken Vannice	Colortran	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
Reinhold Luther	Lex Products Corp.	Lex Products Corp.	O	CP
William L. Maiman	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
Hiroshi Kita	Marumo Electric Co., Ltd.	Marumo Electric Co., Ltd.	O	MP
Paul Menetrey	Menetrey Associates	Menetrey Associates	P	G
Michael Klein	Metropolitan Engineering, Inc.	Metropolitan Engineering, Inc.	P	G
W. G. Krokaugger P.E.	Mole-Richardson Co.	Mole-Richardson Co.	P	CP
Chris Guptill	Ohlone College	Ohlone College	O	U
James Eade	PLASA	PLASA	P	G
Mac Perkins	PNTA Inc.	PNTA Inc.	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
William N. Masten	SMS Inc. / PGS LLC	SMS Inc. / PGS LLC	P	CP
Richard A. Prey	SMS Inc. / PGS LLC	SMS Inc. / PGS LLC	A	CP
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	DR
Stephen Vanciel	Stephen Vanciel	Stephen Vanciel	O	U
Michael Lay	Strand Lighting	Strand Lighting Ltd.	P	MP
Reuben Goldberg	Technic Services	Technic Services	O	U
Andy Topinka	Technical Group Services, Inc.	Thea & Schoen, Inc.	O	G
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U
Richard D. Thompson	Thompson Associates	Thompson Associates	P	G
Brian Dowd	TMB (NJ)	TMB	P	MP
Colin Waters	TMB	TMB	A	MP

Name	Company	Representing (This is the primary sort field.)	Voting status	Int. cat.
Richard Wolpert	Union Connector Company	Union Connector Company	O	CP
Mitch Hefter	Entertainment Technology (Genlyte Thomas Group)	USITT	P	U
Eckart Steffens	SOUNDLIGHT	VPLT	O	G

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