

Minutes
Electrical Power Working Group
Wednesday, 14 March 2007
Hyatt Regency Phoenix
Phoenix, AZ

Chairmen: Mitch Hefter; Entertainment Technology (Genlyte Group), representing USITT; P; U
Ken Vannice; Colortran (Leviton Manufacturing Co., Inc.); P; MP

Recording secretary: Karl G. Ruling; ESTA

Members attending: James Davey; AC Power Distribution Inc.; P; CP
Paul Menetrey; Bender GmbH & Co. KG; A; MP
Steve Terry; Electronic Theatre Controls, Inc.; P; MP
Ian Foulds; IATSE Local 873 representing the Entertainment Electrical Safety
Committee of Ontario; P; G
Michael Lay; Strand Lighting (Genlyte Group LLC); P; MP
Edwin S. Kramer; I.A.T.S.E. Local 1; P; U
Roger Lattin; I.A.T.S.E. Local 728; P; U
Alan M. Rowe; IATSE Local 728; A; U
Keith S. Woods; Lakhri Impressions Ltd., representing IATSE Local 891; P; U
Kenneth M. Makowski; Lex Products Corp.; A; CP
Louis Bradfield; I; U
Jeff deRecat; Marinco/ADI; P; MP
W. G. Krokaugger, P. E.; Mole-Richardson Co.; P; CP
Vincent J. Cannavale; Motion Laboratories; P; CP
Peter Herrmann; Motion Laboratories; A; CP
Ron Bonner; PLASA; P; U
Stephen Vanciel; P; U
Jerry Gorrell; Theatre Safety Programs; P; U
Brett Paddor; TMB; P; MP

Visitors: Joseph Bocchiaro III, InfoComm International

1 Opening remarks

Ken Vannice called the meeting to order at 9:01.

Mitch Hefter showed a short video of a cell phone being diced in a blender to urge attendees to turn off their cell phones.

Roger Lattin asked for a moment of silence in memory of Richard Thompson, a member of this working group, who passed away on February 11. Steve Terry noted that Sam Scripps and Oren Parker also had recently died.

2 Attendance and membership

2.1 Introduction of those present and taking attendance

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

2.2 Determination of quorum

Mitch Hefter asked for a show of hands of principal voters. He counted them and then announced that a quorum was present and business could be conducted.

2.3 Recognition of alternate voting members

Mitch Hefter asked alternates to raise their hands. There were two alternates present without their principals, so there was no danger of double-voting in their cases. The other alternates were reminded not to vote if their principals did.

2.4 Requirements for membership

Ken Vannice reminded those present 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 Processing of new membership requests

Paul Menetrey applied to represent Bender directly, rather than via his company Menetrey Partners, since his now an employee of Bender.

Keith Woods moved that Menetrey's application be accepted. The motion was seconded and then approved by a unanimous show of hands.

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

Name	Company	Representing	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
Wolfgang Hofheinz	Bender GmbH & Co. KG	Bender GmbH & Co. KG	P	MP
Joe Boardman	Bender Inc.	Bender GmbH & Co. KG	A	MP
Paul Menetrey	Bender Inc.	Bender GmbH & Co. KG	A	MP
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	P	MP
Elizabeth E. (Lizz) Chancellor	Elizabeth Chancellor	Elizabeth Chancellor	I	U
Ian Foulds	IATSE Local 873	Entertainment Electrical Safety Committee of Ontario	P	G
Michael Lay	Strand Lighting	Genlyte Group LLC	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
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.	P	CP
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
Kenneth M. Makowski	Lex Products Corp.	Lex Products Corp.	A	CP
Louis Bradfield	Louis Bradfield	Louis Bradfield	I	U
Jeff deRecat	Marinco/ADI	Marinco	P	MP
Bud Toly	Marinco/ADI	Marinco	A	MP
William Drake	Marinco	Marinco	A	MP
W. G. Krokaugger, P. E.	Mole-Richardson Co.	Mole-Richardson Co.	P	CP
Vincent J. Cannavale	Motion Laboratories	Motion Laboratories	P	CP

Name	Company	Representing	Voting status	Int. cat.
Peter Herrmann	Motion Laboratories	Motion Laboratories	A	CP
Ron Bonner	PLASA	PLASA	P	U
Michael Scudday	SSRC, Inc.	SSRC, Inc.	P	CP
Stephen Vanciel	Stephen Vanciel	Stephen Vanciel	P	U
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U
Brett Paddor	TMB	TMB	P	MP
Colin Waters	TMB	TMB	A	MP
Richard Wolpert	Union Connector Company	Union Connector Company	P	CP
Mitch Hefter	Entertainment Technology (Genlyte Group)	USITT	P	U
William L. Maiman	William L. Maiman	William L. Maiman	P	U
		Total votes possible	25	
		Votes by interest category	7	CP
			7	MP
			0	DR
			10	U
			1	G

3 Approval of the minutes from the previous meeting

Eddie Kramer moved that the draft minutes (EP/2007-7001, file name EPmin01-2007.pdf) be approved as written. The motion was seconded and then approved with a unanimous show of hands.

4 Reading of the call for patents

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

"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 patent or copyright issues were brought to the attention of the assembly.

5 Reading of the anti-trust 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 \$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."

No restraint of trade issues were brought to the attention of the assembly.

6 Approval of agenda

Jerry Gorrell asked that a notice of the new OSHA electrical standard be added under other business. Eddie Kramer moved that the draft agenda be accepted. The motion was seconded. The motion was approved with a show of hands.

7 Old business - task group reports

7.1 EMC task group

Ken Vannice reported that he had no news.

Bonner said there is a new European directive on EMC, so there are new British EMC regulations. He hasn't had time to review it in detail, but there is the obvious problem that the new regulations do not recognize a difference between a mobile installation and a temporary one. Mobile production TV vans have to be CE marked as a product meeting EMC requirements, but this requirement for a mobile electronic assembly could be applied to a music festival stage as well, resulting in the ridiculously expensive proposition of having to do EMC testing on an entire performance venue as a unit. "We could see a huge CE mark above the stage at Glastonbury!"

7.2 ANSI E1.24-2006, pin connectors

Karl Ruling reported that he'd gotten a request from UL for the files for the graphics in ANSI E1.24. Presumably the dimensions specified in graphics will be worked into a UL standard.

There was a discussion of the action item from 7.2 of the last meeting in which Karl Ruling was to "draft a letter to the UL chief engineer urging rapid adoption of ANSI E1.24." Ruling said that was waiting for Vannice to provide the name of the chief engineer to whom he is to write the letter. Vannice said that there is no one chief engineer at UL anymore. Don Talka is the vice president of primary designated engineers, said Vannice. Vannice agreed to call Talka and ask if a letter is needed. If so, Karl Ruling will write it.

7.3 BSR E1.18 portable feeder cable selection and use

Eddie Kramer reported on the work the task group has done to draft some possible public review comment resolutions. The group has had three telephone meetings, which ESTA has paid for. They have drafted resolutions for many of the comments.

Kramer said that the document will have a glossary in an appendix that will list definitions that are good but not used in the standard itself. There were approximately 25 comments on definitions.

Some of the task group is working as a subcommittee on how things need to be changed or adapted to deal with work practices and regulations in Canada and Mexico.

There was a discussion of the need to present both the draft resolutions and a revised draft standard to the working group, together. The consensus was that the two should be together.

Vannice urged the task group to meet its commitment to have the comment resolutions done by the next meeting in July. Then, the task group needs to make a commitment to have the revised document ready by the November meeting.

The timeline decided by consensus was:

- 1) Comment resolutions ready for the July meetings
- 2) Working group reads them and raises any issues or problems at the July meeting.
- 3) Revised standard ready to be sent to the working group at the end of September.

4) We will consider votes on accepting the comment resolutions and a motion to offer the revised draft standard for public review at the November meeting.

7.4 BSR E1.19 GFCI task group

Letter ballot EP/2007-7002 had closed on 27 February 2007 with comments. The comments were circulated to the working group, and voters were given until this point in the meeting to consider them and to change their votes if they wished. Mitch Hefter asked if anyone wished to change his or her vote. No one did. The final vote was therefore:

Name	Company	Representing	Voting status	Int. cat.	Vote
James Davey	AC Power Distribution Inc.	AC Power Distribution Inc.	P	CP	yes
Greg Mayberry	AC Power Distribution Inc.	AC Power Distribution Inc.	A	CP	
George Long	Aggreko Event Services	Aggreko	P	DR	
Kenny Delahoussaye	Aggreko	Aggreko	A	DR	
Wolfgang Hofheinz	Bender GmbH & Co. KG	Bender GmbH & Co. KG	P	MP	yes
Joe Boardman	Bender Inc.	Bender GmbH & Co. KG	A	MP	
Paul Menetrey	Menetrey Partners	Bender GmbH & Co. KG	A	MP	
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	P	MP	yes
Elizabeth E. (Lizz) Chancellor	Elizabeth Chancellor	Elizabeth Chancellor	I	U	yes with comment
Ian Foulds	IATSE Local 873	Entertainment Electrical Safety Committee of Ontario	P	G	yes
Michael Lay	Strand Lighting	Genlyte Group LLC	P	MP	yes
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	yes
Roger Lattin	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	P	U	yes
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	yes
Simon Hunt	IATSE Local 891	IATSE Local 891	A	U	
John (Javid) D. Butler	Integrated Theatre, Inc.	Integrated Theatre, Inc.	P	CP	yes
Stephen J. Kay	K-Tec Corporation	K-Tec Corporation	P	MP	yes
Ken Vannice	Colortran	Leviton Manufacturing Co., Inc.	P	MP	yes
Bill Grande	Leviton Manufacturing Co., Inc.	Leviton Manufacturing Co., Inc.	A	MP	
Bob Luther	Lex Products Corp.	Lex Products Corp.	P	CP	yes
Kenneth M. Makowski	Lex Products Corp.	Lex Products Corp.	A	CP	
Louis Bradfield	Louis Bradfield	Louis Bradfield	I	U	yes
Jeff deRecat	Marinco/ADI	Marinco	P	MP	abstain
Bud Toly	Marinco/ADI	Marinco	A	MP	
William Drake	Marinco	Marinco	A	MP	
W. G. Krokaugger	Mole-Richardson Co.	Mole-Richardson Co.	P	CP	yes
Vincent J. Cannavale	Motion Laboratories	Motion Laboratories	P	CP	
Peter Herrmann	Motion Laboratories	Motion Laboratories	A	CP	yes
Ron Bonner	PLASA	PLASA	P	U	yes with comment
Michael Scudday	SSRC, Inc.	SSRC, Inc.	P	CP	yes
Stephen Vanciel	Stephen Vanciel	Stephen Vanciel	P	U	yes
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U	yes
Brett Paddor	TMB	TMB	P	MP	yes
Colin Waters	TMB	TMB	A	MP	(yes)

Name	Company	Representing	Voting status	Int. cat.	Vote
Richard Wolpert	Union Connector Company	Union Connector Company	P	CP	yes
Mitch Hefter	Entertainment Technology (Genlyte Group)	USITT	P	U	yes
William L. Maiman	William L. Maiman	William L. Maiman	P	U	yes

	Votes Possible	Yes	Yes with comment	No with reasons	Abstain	Ballots not returned	TOTAL
MP	8	6	0	0	1	1	8
CP	7	7	0	0	0	0	7
DR	1	0	0	0	0	1	1
U	10	8	2	0	0	0	10
G	1	1	0	0	0	0	1
TOTAL	27	22	2	0	1	2	27

Kenneth Makowski moved that we accept the comments on the letter ballot as public review comments and resolve them as part of the forthcoming public review. The motion was seconded and approved with a unanimous show of hands.

Ron Bonner said that he would be happy with having his comments addressed this way.

7.5 BSR E1.32 luminaire inspection guidance (referenced document EP/2006-7016r2a)

Letter ballot EP/2007-7003 had closed on 27 February 2007. Out of a voting body of 27 at the time the motion was made, 21 voted "Yes," 2 voted "Yes with comments," and one voted to abstain. Three ballots were not returned (Aggreko, Hubbell, and K-Tec). One alternate voted "No with reasons," but his principal voted "Yes with comments. The principal's vote was counted in the total, not the alternate's, but the reasons for the No vote were circulated back to the voting body, along with the comments offered. Working group voters were given until this point in the meeting to consider them and to change their votes if they wished. Mitch Hefter asked if anyone wished to change his or her vote. No one did. The final vote was therefore:

Name	Company	Representing	Voting status	Int. cat.	Vote
James Davey	AC Power Distribution Inc.	AC Power Distribution Inc.	P	CP	yes
Greg Mayberry	AC Power Distribution Inc.	AC Power Distribution Inc.	A	CP	
George Long	Aggreko Event Services	Aggreko	P	DR	
Kenny Delahoussaye	Aggreko	Aggreko	A	DR	
Wolfgang Hofheinz	Bender GmbH & Co. KG	Bender GmbH & Co. KG	P	MP	yes
Joe Boardman	Bender Inc.	Bender GmbH & Co. KG	A	MP	
Paul Menetrey	Menetrey Partners	Bender GmbH & Co. KG	A	MP	
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	P	MP	yes
Elizabeth E. (Lizz) Chancellor	Elizabeth Chancellor	Elizabeth Chancellor	I	U	yes with comment
Ian Foulds	IATSE Local 873	Entertainment Electrical Safety Committee of Ontario	P	G	yes
Michael Lay	Strand Lighting	Genlyte Group LLC	P	MP	yes
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	yes
Roger Lattin	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	P	U	yes
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	

Name	Company	Representing	Voting status	Int. cat.	Vote
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	yes with comment
Simon Hunt	IATSE Local 891	IATSE Local 891	A	U	(no with reasons)
John (Javid) D. Butler	Integrated Theatre, Inc.	Integrated Theatre, Inc.	P	CP	yes
Stephen J. Kay	K-Tec Corporation	K-Tec Corporation	P	MP	
Ken Vannice	Colortran	Leviton Manufacturing Co., Inc.	P	MP	yes
Bill Grande	Leviton Manufacturing Co., Inc.	Leviton Manufacturing Co., Inc.	A	MP	
Bob Luther	Lex Products Corp.	Lex Products Corp.	P	CP	yes
Kenneth M. Makowski	Lex Products Corp.	Lex Products Corp.	A	CP	
Louis Bradfield	Louis Bradfield	Louis Bradfield	I	U	yes
Jeff deRecat	Marinco/ADI	Marinco	P	MP	abstain
Bud Toly	Marinco/ADI	Marinco	A	MP	
William Drake	Marinco	Marinco	A	MP	
W. G. Krokaugger	Mole-Richardson Co.	Mole-Richardson Co.	P	CP	yes
Vincent J. Cannavale	Motion Laboratories	Motion Laboratories	P	CP	
Peter Herrmann	Motion Laboratories	Motion Laboratories	A	CP	yes
Ron Bonner	PLASA	PLASA	P	U	yes
Michael Scudday	SSRC, Inc.	SSRC, Inc.	P	CP	yes
Stephen Vanciel	Stephen Vanciel	Stephen Vanciel	P	U	yes
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U	yes
Brett Paddor	TMB	TMB	P	MP	yes
Colin Waters	TMB	TMB	A	MP	(yes)
Richard Wolpert	Union Connector Company	Union Connector Company	P	CP	yes
Mitch Hefter	Entertainment Technology (Genlyte Group)	USITT	P	U	yes
William L. Maiman	William L. Maiman	William L. Maiman	P	U	yes

	Votes Possible	Yes	Yes with comment	No with reasons	Abstain	Ballots not returned	TOTAL
MP	8	5	0	0	1	2	8
CP	7	7	0	0	0	0	7
DR	1	0	0	0	0	1	1
U	10	8	2	0	0	0	10
G	1	1	0	0	0	0	1
TOTAL	27	21	2	0	1	3	27

Roger Lattin move that we accept the comments and reason on the letter ballot as public review comments and resolve them as part of the public review. The motion was seconded and then approved by a unanimous show of hands with no abstentions.

7.6 Generator earthing

Roger Lattin reported that he is still working on developing the survey. He has not gotten responses from some of the people he is using as the resource. He thinks he will have a survey document before the next meeting. There was discussion of whether the survey needs to be vetted by the working group and the TSC. The opinion of the members of the TSC present and the TSM was that the working group should review the document at the next meeting. There was no objection to this.

7.7 CANENA report

Ken Vannice reported that they are still doing web meetings and have been circulating drawings with maximum and minimum dimension. Vannice said that the brass dimensions were set and that the rubber dimensions were the issue, but Jeff deRecat said that Crouse Hinds had changed the female dimensions on their product, so the brass dimensions are not set after all.

8 New business

8.1 Reaffirmation of ANSI E1.16-2002, Configuration Standard for Metal Halide Ballast Power Cable

8.1.1 Report on project initiation notice

Karl Ruling reported that filing the project initiation notice had been done.

8.1.2 Report on the working group's public review vote

The working group's public review vote had been 24 "Yes" and three ballots were not returned out of a voting body of 27 at the time the motion was made. There were no comments. The results of the vote had been sent to the working group on 28 February. Karl Ruling reported that the public review motion was now before the Technical Standards Committee, and would be voted on at its meeting.

Roger Lattin said that E1.16 has been a useful standard.

8.2 Other new business

None.

9 Other business

Gorrell reported that OSHA has issued a final rule adopting an updated general industry electrical installation standard found in Subpart S of 29 CFR Part 1910. OSHA also is replacing the reference to the 1971 National Electrical Code (NFPA 70) in the mandatory appendix to the general industry powered platform standard found in Subpart F of 29 CFR Part 1910 with a reference to OSHA's electrical installation standard. Details of the final rule can be found in the 14 February 2007 issue of the *Federal Register* (Volume 72, Number 30) on pages 7135 through 7221.

Gorrell said that he'd reviewed the new OSHA standard, which is based on the 2000 edition of NFPA 70E, and found that OSHA seems to have picked and chosen the things they liked from NFPA 70E, not all of which are good choices. For example, they seem to be requiring an assured grounding program for all portable cables.

Gorrell urged people to read the new 29 CFR 1910. He plans to go over it in more detail. Steve Terry said he'd found a part that says, "marking of single-pole separable connectors." Terry said he thinks we really need to read this.

10 Changes to observer status

10.1 Notice to the working group of those who missed three letter ballots

Ruling reported that the representatives from Aggreko and Hubbell had missed all three of the last ballots, but that their demotion to observer was moot, since they had been moved to observer as a result of inattendance at the end of the last meeting.

10.2 Members in danger of losing voting status because of excessive absence

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

None.

11 Schedule for future meetings

Mitch Hefter announced that the next meeting is scheduled for Friday, 13 July 2007, from 09:00 to noon, at the Dallas/Ft. Worth Airport Marriott South in Ft. Worth, Texas

12 Adjournment

Keith Wood moved that the meeting adjourn. The motion was seconded and then approved by a unanimous show of hands.

Mitch Hefter declared the meeting adjourned at 10:40.

Working Group Members and Contact Information as of 1 May 2007

Name	Company	Representing (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
Andre Broucke	ADB - TTV Technologies	ADB-TTV Group	O	MP
Kenny Delahoussaye	Aggreko	Aggreko	O	DR
George Long	Aggreko Event Services	Aggreko	O	DR
Brian Merriken	Airpax Corporation	Airpax Corporation	O	MP
Richard L. Eberth Jr.	North Shore Safety	Airpax Corporation	O	MP
Mike Skinner	CBS Studio Center	Alliance of Motion Picture and Television Producers	O	U
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
Wolfgang Hofheinz	Bender GmbH & Co. KG	Bender GmbH & Co. KG	P	MP
Joe Boardman	Bender Inc.	Bender GmbH & Co. KG	A	MP
Paul Menetrey	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
Julie Rogers	City of Phoenix Civic Plaza	City of Phoenix	O	G
Wayne Kowalski	Coleman Cable Inc.	Coleman Cable Inc.	O	MP
Ford Sellers	Cornell University	Cornell University	O	U
Ron Dahlquist	Dadco	Dadco	O	MP
Don Earl	Earl Girls, Inc.	Earl Girls, Inc.	O	DR
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	P	MP
Elizabeth E. (Lizz) Chancellor	Elizabeth Chancellor	Elizabeth Chancellor	I	U
Ian Foulds	IATSE Local 873	Entertainment Electrical Safety Committee of Ontario	P	G
Art Wanuch	Robertson Electric Wholesale	Entertainment Electrical Safety Committee of Ontario	O	G
Michael Lay	Strand Lighting	Genlyte Group LLC	P	MP
Trevor Forrest	Helvar Lighting Control	Helvar Lighting Control	O	MP
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	Lakhi Impressions Ltd.	IATSE Local 891	P	U
Simon Hunt	IATSE Local 891	IATSE Local 891	A	U
Gian Carlo C. Bartolotti	Ibeam SP / Banco de Eventos	Ibeam SP / Banco de Eventos	O	U
Bill Kanne	Illumination Dynamics	Illumination Dynamics	O	U
John (Javid) D. Butler	Integrated Theatre, Inc.	Integrated Theatre, Inc.	P	CP
David Murray	IPC Resistors Inc.	IPC Resistors Inc.	O	CP
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

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
Bob Luther	Lex Products Corp.	Lex Products Corp.	P	CP
Reinhold Luther	Lex Products Corp.	Lex Products Corp.	O	CP
Kenneth M. Makowski	Lex Products Corp.	Lex Products Corp.	A	CP
Louis Bradfield	Louis Bradfield	Louis Bradfield	I	U
Jim Holladay	Luxence	Luxence	O	G
Jeff deRecat	Marinco/ADI	Marinco	P	MP
Phil Fram	Marinco	Marinco	O	MP
Bud Toly	Marinco/ADI	Marinco	A	MP
William Drake	Marinco	Marinco	A	MP
Hiroshi Kita	Marumo Electric Co., Ltd.	Marumo Electric Co., Ltd.	O	MP
Michael Klein	Metropolitan Engineering, Inc.	Metropolitan Engineering, Inc.	O	G
W. G. Krokaugger, P. E.	Mole-Richardson Co.	Mole-Richardson Co.	P	CP
Vincent J. Cannavale	Motion Laboratories	Motion Laboratories	P	CP
Peter Herrmann	Motion Laboratories	Motion Laboratories	A	CP
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
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
Jeremy B. Collins	Selecon	Selecon	O	MP
Richard A. Prey	SMS Inc. / PGS LLC	SMS Inc. / PGS LLC	O	CP
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	DR
Michael Scudday	SSRC, Inc.	SSRC, Inc.	P	CP
Stephen Vanciel	Stephen Vanciel	Stephen Vanciel	P	U
Reuben Goldberg	Technic Services	Technic Services	O	U
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U
Brett Paddor	TMB	TMB	P	MP
Colin Waters	TMB	TMB	A	MP
Richard Wolpert	Union Connector Company	Union Connector Company	P	CP
Mitch Hefter	Entertainment Technology (Genlyte Group)	USITT	P	U
Eckart Steffens	SOUNDLIGHT	VPLT	O	G
William L. Maiman	William L. Maiman	William L. Maiman	P	U

Key to codes:

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|---|--------------------------|----|--|
| P | principal voting member | MP | mass-market producer interest category |
| A | alternate voting member | CP | custom-market producer interest category |
| I | individual voting member | DR | dealer or rental company interest category |
| O | observer, non-voting | U | user interest category |
| | | G | general-interest interest category |