

Minutes Control Protocols Working Group

Thursday, 17 March 2005
Fairmont Royal York Hotel
Toronto, ON, Canada

Chairmen: Steve Terry; Electronic Theatre Controls; A; MP
Tracy Underhill; Electronics Diversified Inc. (Colorado); P; MP

Recording secretary: Karl G. Ruling; ESTA

Members attending: Jean-Francois Canuel; Spectrum Manufacturing Inc. (A.C. Lighting Ltd.); O; CP
Josh Koffman; Spectrum Manufacturing Inc. (A.C. Lighting Ltd.); O; CP
Tim Bachman; A.C.T Lighting, Inc.; P; DR
Arnold Tang; Arnold Tang Productions; P; U
Tobin Neis; Barbizon Companies; P; DR
Doug Fleenor; Doug Fleenor Design, Inc.; P; MP
Daniel W. Antonuk; Electronic Theatre Controls, Inc.; P; MP
Philip Nye; Engineering Arts; P; G
Robert Goddard; Goddard Design Co.; P; MP
Scott M. Blair; High End Systems Inc.; P; MP
Martin Walton; High End Systems Inc.; O; MP (joined at this meeting)
Alan Martello; Horizon Control Inc.; P; MP
Robert Bell; Horizon Control Inc.; A; MP
Peter Willis; Howard Eaton Lighting Ltd.; P; CP
Edwin S. Kramer; I.A.T.S.E. Local 1; P; U
John Huntington; I.A.T.S.E. Local 1; A; U
Roger Lattin; I.A.T.S.E. Local 728; P; U
Javid Butler; Integrated Theatre; P; CP (joined at this meeting, previously with
Mainstage)
Ole Bystrup; Martin Professional A/S; P; G
Torben Kaas Rasmussen; Martin Professional A/S; A; G (joined at this meeting)
Stuart Cotts; Oregon Shakespeare Festival; O; U
Dave Higgins; Pathway Connectivity Inc.; A; MP
Nic Bowker; PLASA; P; G
Charles Reese; Production Resource Group; P; DR
Hans Lau; Sand Network Systems; P; MP
Mitch Hefter; Entertainment Technology (Genlyte Group), representing USITT; P;
U
John Sondericker III; Wybron, Inc.; P; MP (changed from observer at this meeting)

Visitors: None

1 Opening remarks

Steve Terry called the meeting to order at 09:00.

2 Attendance

2.1 Introductions of those present and circulation of attendance sheet

Steve Terry asked those present to introduce themselves while the blue sign-in sheet was circulated.

2.2 Determination of a quorum

Terry asked voters to raise their hands. He announced that a quorum was present.

2.3 Recognition of alternate voting members

Terry reminded alternates that only one person may vote for a company.

3 Membership

3.1 Requirements for membership

Terry reminded those present that membership is open to all who are affected by the work of the group. 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.

3.2 Processing of new membership requests

The following had applied for membership:

- Javid Butler; Integrated Theatre Inc.; principal; custom-market producer
- Martin Walton, High End System, observer, mass-market producer
- Torben Kaas Rasmussen, Martin Professional A/S, alternate, general interest

John Sondericker of Wybron asked to be changed from an observer to a principal voting member.

Roger Lattin moved that all the membership requests be granted. The motion was seconded. The motion was approved by a unanimous show of hands.

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

Name	Company	Representing	Voting status	Interest category
Tim Bachman	A.C.T Lighting, Inc.	A.C.T Lighting, Inc.	P	DR
Arnold Tang	Arnold Tang Productions	Arnold Tang Productions	P	U
Wayne David Howell	Artistic Licence (UK) Ltd.	Artistic Licence (UK) Ltd.	P	CP
Simon Hobday	Artistic Licence (UK) Ltd.	Artistic Licence (UK) Ltd.	A	CP
Tobin Neis	Barbizon Companies	Barbizon Companies	P	DR
Doug Fleenor	Doug Fleenor Design, Inc.	Doug Fleenor Design, Inc.	P	MP
Milton Davis	Doug Fleenor Design, Inc.	Doug Fleenor Design, Inc.	A	MP
Ken Wagner	Doug Fleenor Design, Inc.	Doug Fleenor Design, Inc.	A	MP
Daniel W. Antonuk	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	P	MP
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	A	MP
Tracy Underhill	Electronics Diversified Inc. (Colorado)	Electronics Diversified Inc.	P	MP
James Johnson	Electronics Diversified Inc.	Electronics Diversified Inc.	A	MP
Phillip Nye	Engineering Arts	Engineering Arts	P	G
Robert Goddard	Goddard Design Co.	Goddard Design Co.	P	MP
Scott M. Blair	High End Systems Inc.	High End Systems Inc.	P	MP
Tom Grimes	High End Systems, Inc.	High End Systems, Inc.	A	MP
Jason Potterf	High End Systems Inc.	High End Systems Inc.	A	MP
Alan Martello	Horizon Control Inc.	Horizon Control Inc.	P	MP
Robert Bell	Horizon Control Inc.	Horizon Control Inc.	A	MP
Peter Willis	Howard Eaton Lighting Ltd.	Howard Eaton Lighting Ltd.	P	CP
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
John Huntington	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	A	U
Roger Lattin	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	P	U
Dennis Grow	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	A	U
Alan M. Rowe	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	A	U
John (Javid) D. Butler	Integrated Theatre, Inc.	Integrated Theatre, Inc.	P	CP
Mark Jensen	Intelligent Control Devices	Intelligent Control Devices	P	CP
George Kindler	Kelley Technologies LLC	Kelley Technologies LLC	P	DR
Rick Leinen	Colortran	Leviton Manufacturing Co., Inc.	P	MP
Ken Vannice	Colortran	Leviton Manufacturing Co., Inc.	A	MP

Name	Company	Representing	Voting status	Interest category
Daniel Weiermann	Mainstage Theatrical Supply - Milwaukee	Mainstage Theatrical Supply	P	DR
Ole Bystrup	Martin Professional A/S	Martin Professional A/S	P	G
Torben Kaas Rasmussen	Martin Professional A/S	Martin Professional A/S	A	G
Gary Douglas	Pathway Connectivity Inc.	Pathway Connectivity Inc.	P	MP
Dave Higgins	Pathway Connectivity Inc.	Pathway Connectivity Inc.	A	MP
Kevin Loewen	Pathway Connectivity Inc.	Pathway Connectivity Inc.	A	MP
Nic Bowker	PLASA	PLASA	P	G
Richard Thornton Brown	i Light Group	Polaron PLC	P	MP
Charles Reese	Production Resource Group	Production Resource Group	P	DR
Hans Lau	Sand Network Systems	Sand Network Systems	P	MP
Michael A. (Sandy) Twose	Sand Network Systems	Sand Network Systems	A	MP
Yngve Sandboe	Sand Network Systems	Sand Network Systems	A	MP
Richard Lawrence	Strand Lighting Ltd.	Strand Lighting Ltd.	P	MP
Michael Lay	Strand Lighting	Strand Lighting Ltd.	A	MP
Stéphane Jacob	TIR Systems Ltd.	TIR Systems Ltd.	P	MP
Mitch Hefter	Entertainment Technology (Genlyte Group)	USITT	P	U
John Sondericker III	Wybron, Inc.	Wybron, Inc.	P	MP
		Total votes possible	29	
		Votes by interest category	13	MP
			4	CP
			5	DR
			4	U
			3	G

4 Approval of the minutes from the previous meeting

Eddie Kramer moved that the minutes be accepted as written. The motion was seconded. The motion was approved by a unanimous show of hands, except for one abstention.

5 Reading of the call for patents

Tracy Underhill 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 protected property issues were brought to the attention of the assembly.

6 The reading of the anti-trust statement

Tracy Underhill 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 held up some of the easy-to-read pamphlets to show their availability

No restraint of trade issues were raised.

7 Approval of agenda

Javid Butler moved that the agenda be approved with the addition of an announcement about the E1.11 errata. The motion was seconded. The motion was approved on a voice vote.

8 Old business

8.1 BSR E1.20 Remote Device Management

Scott Blair reported that we'd received over 300 comments in the last public review. He said he expected to have a draft set of resolutions and revised document in time for the July meeting. He would like to have a subsequent public review finished before the LDI meeting.

There was a discussion of the need to avoid creeping featurism. The task group assured the working group that they are working to avoid adding commands for particular features of commercial products. The intention is to keep the basic document generic, and to put additional features in succeeding documents.

There was a discussion of how to expedite the approval of the resolutions and start of the next public review. Steve Terry and Karl Ruling agreed that a motion could be made at the TSC meeting to approve the public review, contingent on the CPWG not changing the resolutions or draft standard.

8.3 E1.17 Multipurpose Control Network Protocol Suite

Ruling reported that so far no one had commented on the document during its current public review.

Dan Antonuk said that the task group has some changes it wants to make to the document.

8.4 E1.27-1 Portable cabling

Javid Butler reported that the task group had an interesting meeting in Ft. Worth and Javid Butler said he has been working hard to implement the changes into the document. He invited all who participated in that last meeting to attend the cabling meeting following this one.

8.5 Other E1.27 projects

Javid Butler talked about bringing an expert from Belden to visit the task group and CPWG meetings in Ft. Worth. The Belden expert has received permission from his boss to attend.

8.6 E1.11 Recommended Practice

Tim Bachman reported that he has received the original Word version of Adam Benette's book from PLASA and will be able to build on that. He said he underestimated how much work is involved, so he is not finished yet, but he has generated a large amount of text.

8.7 ANSI E1.11 auf Deutsch

Karl Ruling reported that the TSC has decided on a price, and that he's been given the authority to negotiate with VPLT.

9 New business — Erratum for E1.11

Ruling reported that an erratum has been issued to correct errors in Table 4 on page 15 of the published version of ANSI E1.11-2004. A corrected version of the document has been sent to ANSI

for sale on its website, and errata pages have been sent to the hard-copy vendors. He personally stuffed correction pages into every copy of ANSI E1.11 in the USITT booth at the Stage Expo.

An error had been made in transferring the text from the last public review version of E1.11 to the published version. The pin numbers of the eight-position modular connector were put in numerical order in the Table 4 on page 15 in the published version. The document that was offered for public review and that was approved by the Control Protocols Working Group did not have the pins numbered strictly sequentially. The pin sequence in the left column of Table 4 in the version that was approved is 1, 2, 3, 6, 4, 5, 7, 8, and not 1, 2, 3, 4, 5, 6, 7, 8 as published. Note that "6" is out of numerical order in the correct listing, which changes the positions and functions of "4" and "5." The other columns were and are correct.

This error was discovered by Steve Reader of Adena Scientific Limited, located in Hamilton, New Zealand. Reader sent an email on March 14 noting that the pin numbering did not match the wire color assignments of ANSI/TIA/EIA-568 scheme T568B and that the numbering did not match what was shown in the last version that went to public review.

10 Other business

Nye said that there is a MIDI show control standard meeting planned. John Huntington said that there will be a public review on the Show Control mailing list.

11 Schedule for future meetings

Steve Terry announced that the next meeting will be Saturday, July 30, at the Dallas/Ft. Worth Airport Marriott South in Ft. Worth, Texas. The following meeting will be November 10 in Orlando, Florida at the Rosen Plaza Hotel.

12 Changes to observer status due to lack of attendance

Voting principals and alternates who together have missed the previous two meetings in a row and will be moved to observer status if this meeting also is missed:

None.

13 Adjournment

Eddie Kramer moved that the meeting adjourn. The motion was seconded. Hearing no objection, Steve Terry declared the meeting adjourned at 10:06.

CPWG Members and Contact Information

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
Jean-Francois Canuel	Spectrum Manufacturing Inc.	A.C. Lighting Ltd.	O	CP
Tim Bachman	A.C.T Lighting, Inc.	A.C.T Lighting, Inc.	P	DR
Andre Broucke	ADB - TTV Technologies	ADB-TTV Group	O	MP
John Sellers	AIM Northwest	AIM Northwest	O	G
Arnold Tang	Arnold Tang Productions	Arnold Tang Productions	P	U
Wayne David Howell	Artistic Licence (UK) Ltd.	Artistic Licence (UK) Ltd.	P	CP
Simon Hobday	Artistic Licence (UK) Ltd.	Artistic Licence (UK) Ltd.	A	CP
Steve Friedlander	Auerbach Pollock Friedlander	Auerbach Pollock Friedlander	O	U
J. B. Toby	Avolites Ltd.	Avolites Ltd.	O	MP
Shahid Anwar	Avolites Ltd.	Avolites Ltd.	O	MP
Richard Salzedo	Avolites Ltd.	Avolites Ltd.	O	MP
Barbara Wohlsen	Barbara Wohlsen	Barbara Wohlsen	O	U
Tobin Neis	Barbizon Companies	Barbizon Companies	P	DR
Jiantong Wu	Beijing Special Engineering Design & Research Institute	Beijing Special Engineering Design & Research Institute	O	G
Bernardo Benito Rico	Ben-Ri Electronica S.A.	Ben-Ri Electronica S.A.	O	MP
Lee J. Bloch	Blue Sky Design, Ltd.	Blue Sky Design, Ltd.	O	G
Soo-Myong Chung	Blue Sky Design, Ltd.	Blue Sky Design, Ltd.	O	G
Bradley Klinkradt	Bradley Klinkradt	Bradley Klinkradt	O	G
Bill Ellis	Candela Controls, Inc.	Candela Controls, Inc.	O	U
Will Wagner	Carallon Ltd.	Carallon Ltd.	O	MP
Steve Roberts	Carr & Angier	Carr & Angier	O	G
Marty Lazarus	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	O	G
Larry Dunn	City Theatrical, Inc.	City Theatrical, Inc.	O	CP
Fabiano Pina	Clay Paky S.P.A.	Clay Paky S.P.A.	O	MP
Ohad Ashery	Compulite Systems	Compulite Systems	O	MP
Simeon Aladjem	Compulite Systems	Compulite Systems	O	MP
Yehuda Shukram	Compulite Systems	Compulite Systems	O	MP
Dietmar Rottinghaus	Connex GmbH	Connex GmbH	O	G
David Bertenshaw	David Bertenshaw	David Bertenshaw	O	G
Bob Toms	Design Advantage LLC	Design Advantage LLC	O	G
Doug Fleenor	Doug Fleenor Design, Inc.	Doug Fleenor Design, Inc.	P	MP
Milton Davis	Doug Fleenor Design, Inc.	Doug Fleenor Design, Inc.	A	MP
Ken Wagner	Doug Fleenor Design, Inc.	Doug Fleenor Design, Inc.	A	MP
Gary Dove	Dove Systems	Dove Systems	O	MP
Jussi Kallioinen	Eastway Sound & Lighting	Eastway Sound & Lighting	O	U
Ed Jones	Edwin Jones Co., Inc.	Edwin Jones Co., Inc.	O	CP
Joost van Eenbergen	ELC Lighting	ELC Lighting	O	MP
Bill Fehrmann	Electrol Engineering, Inc.	Electrol Engineering, Inc.	O	MP
Daniel W. Antonuk	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	P	MP
Adam Bennette	Electronic Theatre Controls Ltd.	Electronic Theatre Controls, Inc.	O	MP
Hans Leiter	Transtechnik Lichtsysteme GmbH & Co. KG	Electronic Theatre Controls, Inc.	O	MP
Anders Ekvall	Transtechnik Lichtsysteme GmbH	Electronic Theatre Controls, Inc.	O	MP
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	A	MP
Tracy Underhill	Electronics Diversified Inc. (Colorado)	Electronics Diversified Inc.	P	MP

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
James Johnson	Electronics Diversified Inc.	Electronics Diversified Inc.	A	MP
Philip Nye	Engineering Arts	Engineering Arts	P	G
Erwin Rol	Erwin Rol	Erwin Rol	O	G
Robert Goddard	Goddard Design Co.	Goddard Design Co.	P	MP
Sierk Janszen	Ground Zero	Ground Zero	O	U
Liao Wei Min	GuangZhou HeDong Electronic Co., Ltd.	GuangZhou HeDong Electronic Co., Ltd.	O	G
Alan P. Symonds	Harvard College	Harvard University	O	U
Trevor Forrest	Helvar Lighting Control	Helvar Lighting Control	O	MP
Bill Hewlett	Hewlett Electronics	Hewlett Electronics	O	CP
Scott M. Blair	High End Systems Inc.	High End Systems Inc.	P	MP
Martin Walton	High End Systems Inc.	High End Systems Inc.	O	MP
Jason Potterf	High End Systems Inc.	High End Systems Inc.	A	MP
Tom Grimes	High End Systems, Inc.	High End Systems, Inc.	A	MP
Steve Carlson	High Speed Design, Inc.	High Speed Design, Inc.	O	MP
Alan Martello	Horizon Control Inc.	Horizon Control Inc.	P	MP
Robert Bell	Horizon Control Inc.	Horizon Control Inc.	A	MP
Peter Willis	Howard Eaton Lighting Ltd.	Howard Eaton Lighting Ltd.	P	CP
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
John Huntington	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	A	U
Roger Lattin	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	P	U
Dennis Grow	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	A	U
Alan M. Rowe	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	A	U
Gian Carlo C. Bartolotti	Ibeam SP / Banco de Eventos	Ibeam SP / Banco de Eventos	O	U
Geoffrey O. Thompson	Nortel Networks, Inc.	IEEE 802.3/Nortel Networks	O	G
John (Javid) D. Butler	Integrated Theatre, Inc.	Integrated Theatre, Inc.	P	CP
Mark Jensen	Intelligent Control Devices	Intelligent Control Devices	P	CP
Rob Johnston	Interactive Technologies, Inc.	Interactive Technologies, Inc.	O	MP
Larry Schoeneman	Interesting Products, Inc.	Interesting Products, Inc.	O	G
David Timmins	Jands Electronics	Jands Electronics	O	MP
Helge Hoffmann	JB Lighting	JB Lighting	O	MP
Edward Paget	Jones & Phillips Associates, Inc.	Jones & Phillips Associates, Inc.	O	G
Christopher Purpura	Jones & Phillips Associates, Inc.	Jones & Phillips Associates, Inc.	O	G
George Kindler	Kelley Technologies LLC	Kelley Technologies LLC	P	DR
John Mehlretter	Lehigh Electric Products Co.	Lehigh Electric Products Co.	O	MP
Mark T. Kraft	Lehigh Electric Products Co.	Lehigh Electric Products Co.	O	MP
Ken Vannice	Colortran	Leviton Manufacturing Co., Inc.	A	MP
Rick Leinen	Colortran	Leviton Manufacturing Co., Inc.	P	MP
Lars Wernlund	Lewlight	Lewlight	O	MP
Klaus Amling	Licht-Technik	Licht-Technik	O	P
Andrew Sherar	Lightmoves PLC	Lightmoves PLC	O	MP
Simon Alpert	Lighttech Event Technologies	Lighttech Event Technologies	O	CP
Gary Pritchard	LSC Lighting Systems PTY Ltd	LSC Lighting Systems PTY Ltd	O	MP
Bart Swinnen	Luminex LCE	Luminex LCE	O	MP
J. P. Steiner	Lutron Electronics	Lutron Electronics	O	MP
Jim Holladay	Luxence	Luxence	O	G
Daniel Weiermann	Mainstage Theatrical Supply - Milwaukee	Mainstage Theatrical Supply	P	DR

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
Ole Bystrup	Martin Professional A/S	Martin Professional A/S	P	G
Torben Kaas Rasmussen	Martin Professional A/S	Martin Professional A/S	A	G
Hiroshi Kita	Marumo Electric Co., Ltd.	Marumo Electric Co., Ltd.	O	MP
Paul McEwan	Northern Light	Northern Light	O	DR
Petri Laine	Obelux Oy	Obelux Oy	O	CP
Stuart Cotts	Oregon Shakespeare Festival	Oregon Shakespeare Festival	O	U
David A. Boller	Organic Machines LLC	Organic Machines LLC	O	CP
William Benner	Pangolin Laser Systems	Pangolin Laser Systems	O	MP
Gary Douglas	Pathway Connectivity Inc.	Pathway Connectivity Inc.	P	MP
Greg Reimer	Pathway Connectivity Inc.	Pathway Connectivity Inc.	O	MP
Dave Higgins	Pathway Connectivity Inc.	Pathway Connectivity Inc.	A	MP
Kevin Loewen	Pathway Connectivity Inc.	Pathway Connectivity Inc.	A	MP
Nic Bowker	PLASA	PLASA	P	G
James Eade	PLASA	PLASA	O	G
Mac Perkins	PNTA Inc.	PNTA Inc.	O	G
Charles Reese	Production Resource Group	Production Resource Group	P	DR
Paul F. Mardon	Pulsar Ltd.	Pulsar Ltd.	O	MP
Steve Unwin	Pulsar Ltd.	Pulsar Ltd.	O	MP
Stephen J. Tyrrell	Quantum Logic	Quantum Logic	O	MP
Douglas Franz	QVC Network	QVC Network	O	U
Charlie Richmond	Richmond Sound Design Ltd.	Richmond Sound Design Ltd.	O	CP
Martin Farnik	Robe Show Lighting s.r.o.	Robe Show Lighting s.r.o.	O	MP
François Mondié	Robert Juliat	Robert Juliat	O	MP
Hans Lau	Sand Network Systems	Sand Network Systems	P	MP
Michael A. (Sandy) Twose	Sand Network Systems	Sand Network Systems	A	MP
Yngve Sandboe	Sand Network Systems	Sand Network Systems	A	MP
Kenneth Mockler	Sceno Plus	Sceno Plus	O	U
Mick Martin	ShowCAD Control Systems	ShowCAD Control Systems	O	MP
Loren Wilton	Showman Systems	Showman Systems	O	CP
Jon R. Farley	Sixteenth Avenue Systems	Sixteenth Avenue Systems	O	CP
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	U
Michael Gonzales	Spectrum Lighting Inc.	Spectrum Lighting Inc.	O	DR
Ujjal Kar	Standard Robotics & Lighting	Standard Robotics & Lighting	O	G
Michael Lay	Strand Lighting	Strand Lighting Ltd.	A	MP
Richard Lawrence	Strand Lighting Ltd.	Strand Lighting Ltd.	P	MP
Paul K. Ericson	Syska Hennessy Group Lighting Design	Syska Hennessy Group Lighting Design	O	U
Stephen Bickford	T. Kondos Associates	T. Kondos Associates	O	U
Tad Trylski	Tad Trylski	Tad Trylski	O	U
Klas Dalbjorn	Labgruppen AB	TC Group	O	MP
Pete Baselici	The Watt Stopper	The Watt Stopper	O	MP
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	O	G
Stéphane Jacob	TIR Systems Ltd.	TIR Systems Ltd.	P	MP
Colin Waters	TMB	TMB	O	U
Matt Stroud	University of Texas at Austin	University of Texas at Austin	O	G
Mitch Hefter	Entertainment Technology (Genlyte Group)	USITT	P	U
Torrey Bievenour	Vision Quest Lighting	Vision Quest Lighting	O	G
Eckart Steffens	SOUNDLIGHT	VPLT	O	G
Eric Cornwell	West Side Systems	West Side Systems	O	U
John Sondericker III	Wybron, Inc.	Wybron, Inc.	P	MP

Some recent changes:

Richard Thornton Brown of the i Light Group left the company in May. He was the company's principal representative.

Josh Koffman, Spectrum Manufacturing Inc., was removed from the list in June at the request of Spectrum's Jean-Francois Canuel. Koffman is no longer with the company.

Key to codes:

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