

Minutes
Control Protocols Working Group

Thursday, 15 March 2007
Hyatt Regency Phoenix
Phoenix, AZ

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

Recording secretary: Karl G. Ruling; ESTA

Members attending: Jean-Francois Canuel; Spectrum Manufacturing Inc. (A.C. Lighting Ltd.); P; CP
Milton Davis; Doug Fleenor Design, Inc.; A; MP
Daniel W. Antonuk; Electronic Theatre Controls, Inc.; P; MP
Philip Nye; Engineering Arts; P; G
Michael Lay; Strand Lighting (Genlyte Group LLC); P; MP
Alan Martello; Horizon Control Inc.; P; MP
Robert Bell; Horizon Control Inc.; A; 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
Ken Vannice; Colortran (Leviton Manufacturing Co., Inc.); A; MP
Ron Bonner; PLASA; P; G (arrived at 9:22)
Charles Reese; Production Resource Group; P; DR
Robert Tooker; Production Resource Group; A; DR
Hans Lau; Sand Network Systems, Inc.; P; MP
Kimberly Corbett; Schuler Shook; P; G
Mitch Hefter; Entertainment Technology (Genlyte Group), representing USITT;
P; U (arrived at 10:20)

Visitors: Joseph Bacchiaro III; InfoComm International
Phillip Toussaint; University of Arizona
Stephen Vanciel
Noga Eilon-Bahar; Eilon Engineering Industrial Weighing Systems

1 Opening remarks

The meeting was called to order by Steve Terry at 09:00. He welcomed all to Phoenix.

2 Attendance

2.1 Introductions of those present and circulation of attendance sheet

A blue attendance sign-in sheet was circulated while those present introduced themselves. Visitors were welcomed to the meeting and asked to explain their interest.

2.2 Determination of a quorum

Steve Terry asked for a show of hands of voters. He announced that a supermajority, over half of the voting body, was present. This exceeds the minimum quorum requirement, so business could be conducted.

2.3 Recognition of alternate voting members

Alternate voting members were recognized. They were reminded that only one vote per company or organization was allowed, so principals and alternates cannot both vote on a question.

3 Membership

3.1 Requirements for membership

Steve Terry reminded those present that membership is open to all who are affected by the work of the group. People and companies that would be in the general interest, users, and dealer/rental companies interest categories are at this time particularly encouraged to apply for membership. 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

An application had been received from Robert Tooker of the Production Resource Group. He applied as an alternate in the dealer/rental company interest category.

Michael Lay moved that Robert Tooker's application be accepted. The motion was seconded, and then approved with a show of hands.

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

| Name | Company | Representing (This is the sort field.) | Voting status | Int. cat. |
|--------------------------|-----------------------------------|---|------------------|--------------|
| Jean-Francois Canuel | Spectrum Manufacturing Inc. | A.C. Lighting Ltd. | P | CP |
| 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 |
| 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. | Electronics Diversified Inc. | P | MP |
| Ralph Weber | ENDL Texas | ENDL Texas | P | G |
| Philip Nye | Engineering Arts | Engineering Arts | P | G |
| Michael Lay | Strand Lighting | Genlyte Group LLC | P | MP |
| 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 | City Tech, Ent Tech Department | 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 | IATSE Local 728 | I.A.T.S.E. Local 728 | A | U |
| John (Javid) D. Butler | Integrated Theatre, Inc. | Integrated Theatre, Inc. | P | CP |
| Michael (Mike) Whetstone | Integrated Theatre, Inc. | Integrated Theatre, Inc. | A | CP |
| Rick Leinen | Colortran | Leviton Manufacturing Co., Inc. | P | MP |
| Ken Vannice | Colortran | Leviton Manufacturing Co., Inc. | A | MP |
| Torben Kaas Rasmussen | Martin Professional A/S | Martin Professional A/S | P | G |
| Flemming Jensen | 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 |
| Ron Bonner | PLASA | PLASA | P | G |
| Charles Reese | Production Resource Group | Production Resource Group | P | DR |

| Name | Company | Representing (This is the sort field.) | Voting status | Int. cat. |
|----------------------------|---|---|------------------|--------------|
| Robert Tooker | Production Resource Group | Production Resource Group | A | DR |
| Hans Lau | Sand Network Systems, Inc. | Sand Network Systems, Inc. | P | MP |
| Yngve Sandboe | Sand Network Systems, Inc. | Sand Network Systems, Inc. | A | MP |
| Kimberly Corbett | Schuler Shook | Schuler Shook | P | G |
| Mitch Hefter | Entertainment Technology (Genlyte Group) | USITT | P | U |
| Total votes possible | | | 24 | |
| Votes by interest category | | | 4 | CP |
| | | | 10 | MP |
| | | | 1 | DR |
| | | | 4 | U |
| | | | 5 | G |

4 Approval of the minutes from the previous meeting

See document CP/2007-1003, file name CPmin01-2007.pdf. Also see HuntingonQuestionsClause8-5.pdf.

After a consideration of John Huntington's remarks about clause 8.5, the clause was changed to read, "Dan Antonuk reported that ETC has written a packet dissector for Wire Shark and that Pathway has something similar."

Eddie Kramer moved that the draft minutes with this change to clause 8.5 be accepted. The motion was seconded and approved with a show of hands vote.

5 Reading of the call for patents

The following statement was read aloud to the assembly by Tracy Underhill:

"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."

Karl Ruling said that he had received a letter dated March 8, 2007 from Scott C. Harris of Fish & Richardson PC concerning the PRG patent for transmitting MIDI over Ethernet. He read the contents of the letter to the assembly:

"We represent Production Resource Group, L.L.C. ("PRG"), the owner of U.S. Patent number 5,983,280. This patent covers transmission of MIDI over Ethernet. We understand that ESTA may be considering forming "working groups" which would use the subject matter of this patent.

"PRG agrees that they will issue licenses in a nondiscriminatory manner and for a reasonable fee (which reasonable fee PRG reserves the right to decide using its own reasonable commercial judgment)."

6 The reading of the anti-trust statement

The following statement was read aloud to the assembly by Tracy Underhill:

"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."

7 Approval of agenda

Roger Lattin moved that the draft agenda be accepted. The motion was seconded and approved with a unanimous show of hands.

8 Old business

8.1 Reaffirmation of ANSI E1.3-2001

Its published as ANSI E1.3-2001(R2006). Is there any news or action needed?

Milton Davis announced that Doug Fleenor Design had recently designed an OEM device using the standard. Therefore, while it is not advanced technology, it's not dead.

8.2 E1.11/DMX512-A Recommended Practice

Peter Willis was not present, and there was no progress report.

Roger Lattin said we desperately need to update the *Recommended Practice for DMX512* book written by Adam Bennette.

Eddie Kramer questioned if we want to go forward with this project, since no work is being done on it. Terry said that this type of document needs to be written by one person who has a real urge to do it. Who might that be?

After some discussion Terry suggested he will speak to Adam Bennette to see if he would be willing and able to write a first draft of a new book. He will report back at the next meeting.

Ron Bonner said that James Eade had asked him about writing this document. Peter Willis has already said he would be willing to turn over the project to Eade. [Note: At the July 2007 meeting, Peter Willis said that this was not his understanding of any conversation he'd had with Bonner.] The consensus of the group was that this is a great opportunity, and that we would like Eade to do a first draft with a proposed deadline of two weeks before the next meeting (about July 1).

8.3 ANSI E1.11 (DMX512-A)

8.3.1 Questions from China [Hefter]

See file E1-11 Questions_with Responses.pdf.

Mitch Hefter said that the answers to Professor Dean Liu's questions were sent off and that he had replied with more questions.

There was a discussion of whether the responses to Professor Liu's questions should generate a revision of the standard or the publication of an errata document. Mitch Hefter was directed to make a list of the problems, noting whether they are typos or substantive changes, so we can consider them. Hefter suggested that the PICS should be deleted, since it is very confusing and no one seems to be using it.

The consensus was that the working group's co-chairs should send Professor Liu a letter of thanks and ask him to join the working group as an observer.

There was a discussion about the publication process and how typographical errors get introduced into documents. The consensus was that documents should be written in OpenOffice or Microsoft Word to avoid compatibility problems. OpenOffice is an open source project and is available at no cost.

8.3.2 E1.11 auf Deutsch

Karl Ruling reported that he had no news, but that he expects to know more in a few weeks, after he meets with Florian von Hofen, VPLT's executive director, at Prolight + Sound in Frankfurt.

8.4 ANSI E1.20-2006, Remote Device Management

Ron Bonner reported on the RDM Plugfest held by PLASA in London in early March. There was good attendance with about 20 people. RDM equipment was supplied by Doug Fleenor Design, Goddard Design Company, Howard Eaton Lighting, ETC, and Wybron. He does not have a full report yet from Peter Willis on how the equipment performed. PLASA plans to have another plugfest before PLASA 2007.

8.5 E1.17 Multipurpose Control Network Protocol Suite

Dan Antonuk said that the PDF of the standard is impossible to search. The problem is that the documents' characters are two-byte characters, so finding matches is impossible if the search string is single-byte characters. Philip Nye said that he's working on solving the problem.

Antonuk said that there are a few errors in ANSI E1.17. He's building a list of the errata.

Philip talked about the OpenACN project. He has firm, written commitments from some manufacturers and verbal commitments from some others to help fund his work on making an open source implementation of ACN. He has been looking for contributions totaling \$20,000 to pay for the project, and has \$10,000 promised so far. With this, he feels that he can move ahead. He plans to spend eight weeks developing the basic protocols. He will start with Pathway's source code and will strip it of the proprietary parts. Open ACN is intended to be scalable to very small devices.

Dan Antonuk said ETC is using ACN for lots of tasks, and is very happy with it. The new EOS control desk uses it for real-time tracking backup.

8.6 E1.27-X, cabling

8.6.1 ANSI E1.27-1-2006 (portable DMX512/E1.11 cabling)

No news.

8.6.2 First public review of E1.27-2 (permanent DMX512/E1.11 cabling)

8.6.2.1 Consideration of approval of the comment resolutions

See file E1-27-2FrstPubRvwResols.pdf for the proposed resolutions. Javid Butler was not at the meeting to present the proposed resolutions.

Steve Terry reminded the working group of its responsibility to adequately review documents before voting on them. The working group tends to rubber stamp the work of task groups, but no task group is the authority on a document. The CPWG is the authority and must diligently consider the work of the task group before approving it.

Eddie Kramer moved that the comment resolutions be accepted. The motion was seconded. There was discussion.

The vote was taken by a show of hands, with ten voting in favor, one against, and two abstentions. The voting requirement to pass this motion was a supermajority, which would be 13. Karl Ruling reported that the motion failed.

Antonuk said he voted No because he knew that some of the comment resolutions were not satisfactory to the commenters and he felt that more work was needed on them.

8.6.2.2 Consideration of next steps on the revised draft standard

No action. The consensus was that further action on BSR E1.27-2 will be deferred until the next meeting, when Javid Butler might be present.

8.7 BSR E1.30, Application level equipment interoperability for control of commonly encountered entertainment technology devices using E1.17

Dan Antonuk reported that Carallon is willing to offer their fixture library so we can build on its structure. They will not contribute the data, but the structure of the library. It can serve as a model for describing devices.

Antonuk questioned whether we should be putting our effort into this right now, or perhaps focus on other things first. Alan Martello agreed that ACN is really useful now without all the interoperability profiles. Perhaps we should put more effort into projects that explain ACN to laymen in terms they can understand.

The suggestion that more work needs to be done to explain ACN generally was supported. There was a discussion of what could be written and published in what venues. Karl Ruling urged stories to be written for Protocol, which has a great need for interesting and informative articles. Protocol is also a fairly safe venue in that articles there are vetted, thus reducing the probability that something will be written that we will later regret.

8.8 BSR E1.31, Lightweight streaming protocol for transport of DMX512 using ACN [Ruling]

Ruling reported that the first public review closes at the end of the day on March 19. Two sets of comments had been received so far.

Dan Antonuk reported that ETC had made its source code for streaming DMX512 data (draft 2 of E1.31, the version that is in public review) available for free on the ETC website.

8.9 BSR E1.33-200x, Extensions to E1.31 (DMX512 Streaming Protocol) for Transport of ANSI E1.20 (RDM)

Charles Reese reported that the task group will be meeting today and tomorrow to work through the document.

Antonuk reported that the group has decided that the node at the Ethernet to EIA-485 junction will do some sort of RDM translation. That is, RDM messages will not simply be packetized and sent via ACN over the Ethernet medium as RDM messages.

8.10 BSR E1.37-200x—Additional Message Sets for ANSI E1.20, Remote Device Management

Scott Blair was not present. No report.

9 New business

Roger Lattin spoke about the great status reporting that might be possible via ACN. Eddie Kramer complained about annoying error reporting.

Antonuk said that he attended an IESNA control protocols meeting in Phoenix in January. As a result of that experience, he wants to say what a great pleasure it is to work with ESTA's CPWG.

There was a discussion of the Eilon experiments with load cells on chain hoists flying truss structures with multiple supporting points. This was informational, and was not taken as related to the CPWG's projects.

10 Other business

None.

11 Schedule for future meetings

Steve Terry announced that the next meeting is scheduled for Saturday, 14 July 2007, from 09:00 to 13:00, at the Dallas/Ft. Worth Airport Marriott South in Ft. Worth, Texas

12 Changes to observer status due to lack of attendance

Voting members who have missed the previous two meetings and will be moved to observer status if this meeting also is missed:

None.

13 Adjournment

Mitch Hefter moved that the meeting adjourn. The motion was seconded. There were no objections. Steve Terry declared the meeting adjourned at 11:16.

Working Group Membership and Contact Information as of 04 May 2007

| Name | Company | Representing | Voting status | Int. cat. |
|----------------------|---|---|---------------|-----------|
| Jean-Francois Canuel | Spectrum Manufacturing Inc. | A.C. Lighting Ltd. | P | CP |
| Tim Bachman | A.C.T Lighting, Inc. | A.C.T Lighting, Inc. | O | 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 | O | 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 | Bloch Design Group, Inc. | Bloch Design Group, Inc. | O | G |
| Soo-Myong Chung | Bloch Design Group, Inc. | Bloch Design Group, Inc. | 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 |
| Bob Toms | Catalyst Microsystems LLC | Catalyst Microsystems LLC | O | G |
| Marty Lazarus | Chicago Spotlight, Inc. | Chicago Spotlight, Inc. | O | G |
| Chuck Seifried | Phoenix Civic Plaza | City of Phoenix | O | U |
| 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 |
| Larry Schoeneman | Designlab Chicago, Inc. | Designlab Chicago, Inc. | O | 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 |
| Gary Dove | Dove Systems | Dove Systems | O | MP |
| Jerry Durand | Durand Interstellar, Inc. | Durand Interstellar, Inc. | O | CP |
| Dirk Beiner | e:cue GmbH & Co. KG | e:cue GmbH & Co. KG | O | MP |
| Jussi Kallioinen | Eastway Sound & Lighting | Eastway Sound & Lighting | O | U |
| Edward R. Condit | Edward R. Condit | Edward R. Condit | O | G |
| 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 | ETC GmbH | 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 |

| Name | Company | Representing | Voting status | Int. cat. |
|---------------------------|---------------------------------------|---------------------------------------|---------------|-----------|
| Ralph Weber | ENDL Texas | ENDL Texas | P | G |
| Philip Nye | Engineering Arts | Engineering Arts | P | G |
| Erwin Rol | Erwin Rol Software Engineering | Erwin Rol | O | G |
| Michael Lay | Strand Lighting | Genlyte Group LLC | P | MP |
| 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 |
| 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 |
| Tom Grimes | High End Systems, Inc. | High End Systems, Inc. | A | MP |
| Jason Potterf | 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 |
| Paul J. Clark | HxDx | HxDx | O | CP |
| Edwin S. Kramer | I.A.T.S.E. Local 1 | I.A.T.S.E. Local 1 | P | U |
| John Huntington | City Tech, Ent Tech Department | 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 | IATSE 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 |
| Michael (Mike) Whetstone | Integrated Theatre, Inc. | Integrated Theatre, Inc. | A | CP |
| Mark Jensen | Intelligent Control Devices | Intelligent Control Devices | O | CP |
| Rob Johnston | Interactive Technologies, Inc. | Interactive Technologies, Inc. | O | MP |
| 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 |
| Josh Gubler | Josh Gubler | Josh Gubler | O | CP |
| Lawrence Neal | Lawrence Neal | Lawrence Neal | O | CP |
| 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 |
| Rick Leinen | Colortran | Leviton Manufacturing Co., Inc. | P | MP |
| Ken Vannice | Colortran | Leviton Manufacturing Co., Inc. | A | MP |
| Lars Wernlund | Lewlight | Lewlight | O | MP |
| Klaus Amling | Licht-Technik | Licht-Technik | O | P |
| Andrew Sherar | Lightmoves PLC | Lightmoves PLC | O | MP |
| Avraham Mendall Mor "Avi" | Lightswitch | Lightswitch | O | U |
| 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 |

| Name | Company | Representing | Voting status | Int. cat. |
|-----------------------|--|--------------------------------------|---------------|-----------|
| Daniel Weiermann | Mainstage Theatrical Supply - Milwaukee | Mainstage Theatrical Supply | O | DR |
| Torben Kaas Rasmussen | Martin Professional A/S | Martin Professional A/S | P | G |
| Flemming Jensen | Martin Professional A/S | Martin Professional A/S | A | G |
| Hiroshi Kita | Marumo Electric Co., Ltd. | Marumo Electric Co., Ltd. | O | MP |
| 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 |
| Kevin Loewen | Pathway Connectivity Inc. | Pathway Connectivity Inc. | P | MP |
| Dave Higgins | Pathway Connectivity Inc. | Pathway Connectivity Inc. | A | MP |
| Ron Bonner | 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 |
| Robert Tooker | Production Resource Group | Production Resource Group | A | 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 | OVC Network | OVC Network | O | U |
| Sean Harding | Rhode Island College | Rhode Island College | 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 |
| Hans Lau | Sand Network Systems, Inc. | Sand Network Systems, Inc. | P | MP |
| Yngve Sandboe | Sand Network Systems, Inc. | Sand Network Systems, Inc. | A | MP |
| Kenneth Mockler | Sceno Plus | Sceno Plus | O | U |
| Kimberly Corbett | Schuler Shook | Schuler Shook | P | G |
| Mick Martin | ShowCAD Control Systems | ShowCAD Control Systems | O | MP |
| Loren Wilton | Showman Systems | Showman Systems | O | CP |
| Mark Manthei | Shure Inc. | Shure Inc. | O | G |
| Kehang Wu | Shure Inc. | Shure Inc. | O | G |
| Yelena Akhramkov | Shure Inc. | Shure Inc. | O | G |
| 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 |
| 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 |
| Colin Waters | TMB | TMB | O | U |
| 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. | O | MP |
| Paul Kenneth McEwan | Zero 88 Lighting Limited | Zero 88 Lighting Ltd. | O | MP |

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