

Minutes
Technical Standards Council
Sunday, 31 January 2016
D/FW Marriott Solana
Westlake, TX

Presiding chairman: Mike Garl; Mike Garl Consulting LLC; P

Recording secretaries:

Erin Grabe; ESTA
Karl G. Ruling; ESTA

Members attending:

Jerry Gorrell; Theatre Safety Programs; USITT; P
Mitch Hefter; Mitch Hefter; Mitch Hefter; P
A. Scott Hoyt; ESTATreasurer; Heartland Scenic Studio; exf
Fred Kosiewski; Walt Disney Parks & Creative Entertainment (the Walt Disney Company); P
Edwin S. Kramer; I.A.T.S.E. Local 1; P
Jules Lauve ; Theatre Projects Consultants, Inc.; P
Eddie Raymond; IATSE Local 16 (ESTA President); P
Alan M. Rowe; IATSE Local 728 representing the IATSE Crafts Advancement Program ; P
Heather Rowe; Contract Services Administration Trust Fund; A
Lori Rubinstein; ESTA; exf
Bill Sapsis; Sapsis Rigging, Inc.; P
Steve Terry; Electronic Theatre Controls, Inc.; P
Ken Vannice; Ken Vannice LLC; P
Mike Wood; Mike Wood Consulting LLC; P

Visitors:

Roger Lattin; IATSE 728
Michael Lay; Philips Lighting
Maya Nigrosh; ETC
Todd Spencer; PSAV

1 Opening remarks

Mike Garl called the meeting to order at 9:03. He welcomed all to the beautiful Marriott Solana. He thanked everyone for taking time out of their busy schedules, and he offered thanks to their employers for their support. He asked people to turn their cell phones to silent or off.

Mike Garl pointed out the emergency exits to the meeting attendees, and specified an assembly place outside, if we should need to evacuate. We would all convene there so we can make sure that everyone had gotten out.

2 Attendance and membership

2.1 Taking attendance

A vibrantly pink sign-in sheet was circulated.

2.2 Welcome to visitors

Visitors were welcomed.

2.3 Introductions

Those present introduced themselves.

2.4 Call for quorum

There are currently 14 votes possible. A quorum is 8.

Mike Garl noted that there were more than eight voters were present, so business could be conducted.

Heather Rowe asked why her voting status was flagged as “wtng” on the sign-in sheet. Karl Ruling said that she needed to be appointed to the TSC by the ESTA President. Eddie Raymond, the ESTA President, appointed her to the TSC as Matthew Antonucci's alternate.

2.5 Consensus body

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

Member	Company or representation	Voting status
Jules Lauve	Representing the Amer. Society of Theatre Consultants	P
Kimberly Corbett Oates	Representing the Amer. Society of Theatre Consultants	A
Eugene Leitermann	Representing the Amer. Society of Theatre Consultants	A
Matthew Antonucci	Contract Services Administration Trust Fund	P
Heather Rowe	Contract Services Administration Trust Fund	A
Larry Schoeneman	DesignLab Chicago, Inc.	P
Steve Terry	Electronic Theatre Controls, Inc.	P
Edwin S. Kramer	I.A.T.S.E. Local 1	P
Alan M. Rowe	IATSE Crafts Advancement Program	P
Eddie Raymond	IATSE Local 16 (ESTA President)	P
Ken Vannice	Ken Vannice LLC	P
Mike Garl	Mike Garl Consulting LLC	P
Mike Wood	Mike Wood Consulting LLC	P
Mitch Hefter	Mitch Hefter	P
Bill Sapsis	Sapsis Rigging, Inc.	P
Jerry Gorrell	Representing USITT	P
Louis Bradfield	Representing USITT	A
Fred Kosiewski	Representing the Walt Disney Company	P
David E. Miller	Representing the Walt Disney Company	A
	Total votes possible	14

3 Approval of minutes from the previous meeting

See TSCmin10-2015.pdf.

Steve Terry moved that the draft minutes be accepted as written. The motion was seconded and then approved unanimously.

4 Reading of the NEW call for patents

The following statement is to be read aloud to the assembly by Mike Garl:

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 council group of the existence of a patent, patent application, copyright, or other intellectual property that might protect material in a standard being developed by any working group. You need not be the holder of the patent or copyright to notify the council of its existence.

Nothing was revealed.

5 Anti-trust statement, to be read aloud to the assembly

The following statement is to be read aloud to the assembly by Mike Garl:

ESTA and its members take seriously their obligation to comply with all applicable antitrust laws. Therefore, during this meeting and during all ESTA events, all discussions will be limited to those subjects that are permitted by the antitrust laws. All members should refrain from any discussion or mention of competitively sensitive subjects such as the current or future prices charged for any member product or services, current or future marketing plans or strategies, and current or future costs, including employee salaries. There also must be no agreement on the suppliers or customers that members will do business with or the markets in which members will conduct business.

Violations of the antitrust laws can have serious consequences. If you have any questions or concerns about anything that is discussed at a ESTA meeting, please bring your concern to ESTA management. An easy to read pamphlet describing the antitrust laws is available from the ESTA staff.

Erin Grabe and Karl Ruling both held up copies of the pamphlet to show its availability.

No restraint of trade concerns were reported.

6 Approval of agenda

Mike Garl asked to add under new projects a report on lithium-ion batteries.

Bill Sapsis moved to accept the agenda as amended. The motion was seconded and then approved with a show of hands.

7 Old business and standing reports

7.1 Financial reports

7.1.1 Treasurer's Report and Status of Contributions and Pledges

Lori Rubinstein reported and referring to TSP Financials 12-31-15.pdf. The net deficit is a bit better than projected but still a deficit. Some money was saved because there were no January meetings in 2015.

Prosight Specialty Insurance has paid their full sponsorship for 2015. Lori Rubinstein reported on her meeting with Prosight in the first week of this year. They want to re-sign a sponsorship agreement, but we don't have a number yet. We hope that they will give us an amount equal to what they gave in the past, but we have budgeted half that amount so that we are not too optimistic.

Rubinstein talked about other fund-raising efforts. She and Mike Garl met with Ken Tilson and Kurt Wozniak of CM at LDI. CM and Rosco have both committed to five years of yearly contributions of substantial amounts. Altman has paid the second installment of their 5-year pledge. Lori Rubinstein said that Scott Blair had said Harman was interested in supporting the TSP; Micahel Lay agreed to follow-up.

There was further discussion of large companies that might be interested in supporting the TSP, and whom we need to contact. Acuity Brands managers had complained about the slow progress of BSR E1.33, but that is now moving, so Acuity Brands might be more amenable to supporting the program.

There was also a discussion of possibly charging WebEx meeting attendees for that access. They are saving a lot of money by not attending in person, and the WebEx gear costs quite a bit to ship and maintain. No motion was offered on this and therefore no action taken.

7.1.2 Accounting of TSP documents sold

See *SalesReportforTSC_01-2016.pdf*.

7.1.3 TSP participation fee progress

Erin reported that the response-to-cancel rate is good, with the majority who have responded paying the participation fee and not canceling, but most of the people have not responded.

There was some discussion in which Erin Grabe and Lori Rubinstein described how we will encourage those who have not responded to respond:

(1) Send out one more reminder

(2) Working group chairs then contact the voting members who have not responded to encourage them to pay. This needs to be a personal appeal.

(3) Working group chairs then reach out to the observers, but this could be a mass emailing, rather than a person-to-person contact.

Michael Karlsson's objecting email was described by Michael Lay. Karlsson's complaint suggests that perhaps we should have a flat rate of a bit more that includes a principal and one or two alternates, rather than a flat \$100 per person. There was no action on this idea.

Michael Lay said that Peter Kirkup is going to drop on principle. Kirkup argues that it is wrong to ask for \$100 from people who are contributing their time to the trade association.

Steve Terry moved that we wait until March 1 before we remove those who have not responded from the membership lists. The motion was seconded. The motion was approved with a show of hands. There was no opposition.

It was clarified that those voters who have not responded will remain on any letter ballot lists until March 1; we'll send out whatever letter ballots were initiated by this set of meetings to the voters of record now. (People who have responded "CANCEL" are already off the consensus body lists. By canceling, they have requested to be removed.)

7.2 CEN/TC 433 committee update

Any news at this time?

Karl Ruling reported that an article by Michael Lichter describing the progress of CEN/TC 433 will be in the next issue of *Protocol*.

7.3 Old Business

7.3.1 Technical Standards Program project report

See *TSPPrjctsSmmry2016-01.pdf*.

7.3.1.1 Report on status of documents: ones in process, ones stable, ones needing action or of concern
No further reports.

7.3.1.2 Working group documents for possible action by the TSC

7.3.1.2.1 Public reviews

No reports or action.

7.3.1.2.2 Reaffirmations

The CPWG has approved the reaffirmation of two standards:

ANSI E1.30-1 - 2010, EPI 23, Device Identification Subdevice. See *CPReaffBallotSmmry_E1-30-1_2010_R201x.pdf*, *CPmin10-2015.pdf*, and *E1-30-1_2010_R201x.pdf*.

At the 22 October 2015 Control Protocols Working Group meeting, a motion was made and seconded to reaffirm ANSI E1.30-1 - 2010, EPI 23, Device Identification Subdevice (document number CP/2008-1004r3), which was originally published in 2010. There was no mention at the meeting of any need to revise this standard.

The CPWG letter ballot ran concurrent with a 45-day public review from 13 November 2015 through 28 December 2015. One public response form was received stating "YES," but no comments were received. The CPWG vote received the required supermajority approval; the affirmative vote of at least two-thirds of those who voted, excluding abstentions, and more than 50% of the total voting body, including abstentions.

A motion and supermajority approval by the TSC and ExC are required to reaffirm ANSI E1.30-1 - 2010EPI 23. Device Identification Subdevice (document number CP/2008-1004r3), as an American National Standard.

Steve Terry moved that E1.30-1 be reaffirmed. The motion was seconded. The motion was approved with a unanimous show of hands.

ANSI E1.3 - 2001 (R2011), Entertainment Technology - Lighting Control Systems - 0 to 10V Analog Control Specification. See *CPBallotReaffSmmry_E1-3_2001-R201x.pdf*, *E1-3_2001-R201x_CmmntSummry.pdf*, and *E1-3_2001R201x.pdf*.

At the 22 October 2015 Control Protocols Working Group meeting, a motion was made and seconded to reaffirm ANSI E1.3 - 2001 (R2011), Entertainment Technology - Lighting Control Systems - 0 to 10V Analog Control Specification (document number CP/1997-1003r11), which was last reaffirmed in 2011. The working group discussed the fact that this standard does not work with architectural LED dimming drivers, but the consensus of the group was to add an external reference to the published documents page of the website, rather than open the document for revision to emphasize this point. The reference has been added.

The CPWG letter ballot ran concurrent with a 45-day public review from 13 November 2015 through 28 December 2015. No public comments were received. The CPWG vote received the required supermajority approval; the affirmative vote of at least two-thirds of those who voted, excluding abstentions, and more than 50% of the total voting body, including abstentions.

A motion and supermajority approval by the TSC and ExC are required to reaffirm ANSI E1.3 - 2001 (R2011), Entertainment Technology - Lighting Control Systems - 0 to 10V Analog Control Specification (document number CP/1997-1003r11), as an American National Standard.

Mitch Hefter moved that ANSI E1.3 be reaffirmed. The motion was seconded. The motion was approved with a unanimous show of hands.

7.3.1.2.3 Final approval

No action on this item.

7.3.1.2.4 Withdrawal

The CPWG has voted to withdraw ANSI E1.30-7 – 2009, EPI 29, Allocation of Internet Protocol Version 4 Addresses to ACN Hosts. See *E1-30-7_2009_W201x_WthdrwlBallotSmmry.pdf*, *E1-30-7_2009_W201x.pdf*, and *E1-30-7_ApprvdResols.pdf*.

At the November 2013 CPWG meeting, a motion was made and seconded to reaffirm ANSI E1.30-7 - 2009, EPI 29, Allocation of Internet Protocol Version 4 Addresses to ACN Hosts (document number CP/2008-1010r2). That motion passed and a public review was done. The task group spent the next year attempting to resolve the comments received with the intention of reaffirming the standard. At the January 2015 CPWG meeting, the task group reported that resolutions to comments would necessitate a revision, rather than a reaffirmation, and a motion was made, seconded, and approved to revise the draft standard.

After spending time carefully considering the comments and attempting to resolve them with the intention of revising the document, the task group sent a recommendation to the working group that ANSI E1.30-7 be withdrawn on the grounds that much of the document was based around a protocol not adopted by the market, and that implementation for IP addressing is best dealt with by designers, not through the standardization of any particular method.

At the 22 October 2015 CPWG meeting, a motion was made and seconded to withdraw ANSI E1.30-7 – 2009. The CPWG letter ballot ran concurrent with a 45-day public review from 13 November 2015 through 28 December 2015. Resolutions to comments from the original public review for reaffirmation of the standard were approved by the CPWG and distributed to the commenters with a deadline to object to the withdrawal. No objections were received. The CPWG vote received the required supermajority approval; the affirmative vote of at least two-thirds of those who voted, excluding abstentions, and more than 50% of the total voting body, including abstentions.

A motion and supermajority approval by the TSC and ExC are required to withdraw ANSI E1.30-7 – 2009, EPI 29, Allocation of Internet Protocol Version 4 Addresses to ACN Hosts (document number CP/2008-1010r2), as an American National Standard.

Eddie Kramer moved that E1.30-7 be withdrawn. The motion was seconded and then approved with a unanimous show of hands.

7.3.1.2.5 Revising the P&P

See *p&p-r13.pdf*, document number TSC/1994-0060r13.

This was agenda item 8.1, but it was handled at this time so that the ESTA Executive Committee could approve it. The revised P&P has all references to PLASA replaced by ESTA.

Steve Terry moved that the revised P&P be approved. The motion was seconded and then approved with a unanimous show of hands.

At this point in the meeting Mike Garl called a 15-minute break and the Executive Committee had an ad hoc meeting to approve the above actions related to the reaffirmation and withdrawal of the standards and the acceptance of the revised P&P.

7.3.1.2.6 New projects – lithium-ion batteries

Mike Garl asked if there was any news about the Li-ion battery project. Mike Wood said that International Civil Aviation Organization (a UN agency) has recommended a ban on them in checked baggage of passenger planes, but Li batteries in carry-on luggage should be permitted. Work is being done to recommend safety measures for carrying Li batteries on cargo planes. Heather Rowe said that CSATF is working with Harry Box to get information to the studios and rental houses;

[TSM note: See <http://www.icao.int/safety/DangerousGoods/Documents/eb001e.pdf> for the recommendation that Mike Wood cited. Others are at <http://www.icao.int/safety/DangerousGoods/Pages/default.aspx>.]

7.3.2 TSP Marketing

Michael Lay reported on the Plugfest Task Group meeting and plans. They have some initiatives they hope to put in place by January 2017. There will be no plugfest in July in NY, but a session on our protocols at NATEAC is in the works. Plans include more structure with announced meal breaks, staffing, and themes highlighting specific documents or standards. However, it would not have the protocol marketing thrust that the plugfests held by PLASA in the UK does.

Lay also noted that this year's Plugfest is a bit smaller than usual, but there are four new participants.

7.3.3 Making the TSP be more international

There was a brief discussion of how many meeting participants were outside the US during this weekend's meetings. Most of the WebEx attendees were in the continental United States, but a few were many time zones outside it.

7.3.4 ANSI Audit 2015

On 3 November 2015, our ANSI auditor Jay Moskowitz sent the following:

The ANSI Executive Standard Council's (ExSC's) Audit Subcommittee has closed the PLASA audit as a result of PLASA submitting revised procedures and successfully completing the reaccreditation process.

Karl Ruling said this done—no news here—but we need to file the P&P with the name change that was approved at this meeting with ANSI.

8 New business

8.1 Revising the P&P

See p&p-r13.pdf, document number TSC/1994-0060r13.

Acted on as item 7.3.1.2.5.

8.2 Separation of EU and NA

8.2.1 Separation

Eddie Raymond reported. As of December 14 the divorce was official. The division of assets has been more difficult. We "memorialized" the loans that we had received from PLASA EU. We have debts from loans for ACGI and PLASA Focus. We feel that we are paying back the ACGI loan by covering the monthly fees for it. PLASA UK has not paid their half of the fee since March of last year. The other loan is more problematic because there is some disagreement on what ESTA must or should pay back. Our prenuptial agreement keeps both sides from doing anything that would force the other into bankruptcy.

Raymond noted that there is now no CEO for PLASA in the UK. Board members are taking charge of parts of the association's business, but no one is handling the whole, which makes it difficult to deal with PLASA UK.

Lori Rubinstein continues to be the Chair of the National Rigging Advisory Group in the UK. She said that some of the PLASA people are not happy about that, but NRAG is not PLASA and the members of NRAG want her to continue in this leadership role.

8.2.2 Rebuilding ESTA

8.2.2.1 Motto

There was a discussion of ESTA's motto. The website now says, "Building the Business of Show Business." Other possible tag-lines were discussed, and people stated their preferences. There was no motion and no formal action.

8.2.2.2 The ESTA Ambassador Program:

Lori Rubinstein described this as a program to give people a short pitch and a handout to introduce people to ESTA, to make it clear that ESTA runs the programs that support the industry. The Ambassadors need to be

people who have diverse contacts at high levels and are respected in the industry. This short pitch would be something that they can slip into conversations or meetings without taking up too much time or derailing the Ambassador's primary purpose for meeting with the other person. Jules Lauve is heading this effort.

9 Optional Reports

9.1 Optional reports by working and task group leaders on active projects

9.1.1 Control Protocols

Michael Lay reported that the CPWG had had productive meetings. He noted that there is a task group (a study group at this point) looking at communicating positional data for automated scenery. This group will work with some people from the Rigging Working Group.

9.1.2 Electrical Power

Mitch Hefter reported that Ty Mellon was awarded the Above and Beyond Award.

9.1.3 Floors

Karl Ruling said that BSR E1.57 about fall prevention related to parade floats is the only draft standard in public review right now, but so far no comments had been received.

9.1.4 Fog and Smoke

Karl Ruling said the working group has no active projects now, but dust standard needs amendment to cover conflagration of dust, not simply dust explosions.

9.1.5 Followspot Position

No news said Jules Lauve.

9.1.6 Photometrics

Mike Wood says that the pending work is to consider changing our standards to refer to IES TM-30. It's a contentious issue; the CIE is considering adopting TM-30, but the CIE is sponsored by companies who don't like TM-30.

9.1.7 Rigging

Bill Sapsis that the RWG has a couple of interesting projects the will soon make their way to this body. He also mentioned the Above and Beyond Award that was given to the E1.43 task group and the attempts to include those task group members who were on-line rather than in the room in an award-picture.

9.1.8 Stage Lifts

Comment resolutions are done. The working group is reviewing the document again to consider a public review vote in March, reported Jerry Gorrell. He hopes it will be finished then. The language has been honed and refined.

9.2 Reports of affiliated organizations and PLASA EU

9.2.1 ASTC

Jules Lauve said that the ASTC as a group has not taken any action on standards other than urging its members to respond in public reviews. ASTC has polled its membership for problems with codes that bother them. Now the responses are being collated.

9.2.2 NFPA

Bill Sapsis said that he has been asked to attend the NFPA committee meeting dealing with fall arrest and rescue operations in Dallas in March. Apparently the entertainment industry is one that takes fall arrest very seriously and actually uses the standards.

9.2.2.1 FDW-AAA committee

Jerry Gorrell reported that NFPA 80 is open for comments. The standard includes fire safety curtains.

9.2.2.2 SPE-AAA

Karl Ruling reported that a new edition of NFPA 1126, Standard for the Use of Pyrotechnic Effects before a Proximate Audience, has been published.

9.2.2.3 SAF-AXM & BLD

Jerry Gorrell reported that a meeting of the Assembly Occupancies committee is scheduled for July, and he will attend.

9.2.2.4 NEC

Steve Terry reported a lot of activity, changes to the NEC moving through the process. An important change, if it sticks, is a removal of the requirement for GFCI on outdoor branch circuits in theatres and motion picture studios. The reason for this is that there are no GFCI dimmers and no GFCI devices that will work on dimmed circuits, so it is impossible to provide GFCI protection on a dimmed outlet.

Miitch Hefter reported that directly controlled luminaires that are part of an emergency lighting circuit will need to be Listed for that application.

9.2.3 PLASA EU

Lori Rubinstein reported on progress with ICOPER, the International Code of Practice for Entertainment Rigging. It is a synopsis of what is required for rigging in different countries. Perhaps we will have a document within six months, she hopes.

9.2.4 Event Safety Alliance

Eddie Raymond reported on the Event Safety Summit in Lititz, PA. Bill Sapsis, Karl Ruling, Lori Rubinstein, and Miriam Pashetto did four panels under the ESTA banner. He said the panels were well done.

Raymond described ESAT, which is a basic, entry-level course for workers in the entertainment industry, being developed and promoted by the Event Safety Alliance.

9.2.5 USITT

Jerry Gorrell reported. He described active work on the Jay Glerum rigging classes.

Steve Terry said that he had reviewed the eSET (Essential Skills for Entertainment Technicians) sample questions and found them unimpressive. He did not know a single one of the experts that were involved in the exam sections for his area of expertise.

Several people at the TSC meeting reported being involved in this project at some stage, but found that the process was messy. When they disagreed with definitions or questions, they found themselves being eliminated from the discussions.

There was an extensive discussion of what to about eSET, to make sure it is accurate and to coordinate the definitions with those used in the ETCP exams.

Mitch Hefter said that he would ask the eSET group to get the test reviewed. He and Ken Vannice will advocate for ETCP SME review of eSET.

10 Other business

10.1 Investors in Innovation logos

Investors will get a logo that is year-dated, reported Lori Rubinstein.

10.2 ETCP power distribution

Well on it's way, said Lori Rubinstein. Alan Rowe also spoke in support; his IATSE members are interested. Rubinstein and Rowe listed a number of places where the exam will be held.

10.3 The Our Common Goals Initiative

Erin Grabe reported on the proposal from the tent industry to revise the scope of E1.21 to cover tents. At the RWG, we said we would be happy to do this for \$25,000 per year, plus travel expenses and meeting expenses.

10.4 Above & Beyond Awards

Meeting attendees were reminded that the website is open for nominations year-round at tsp.plasa.org/AboveandBeyond.

10.5 Karl's birthday

The assembly sang "Happy Birthday" to Karl Ruling. Today, January 31, is his birthday. Ruling noted that the song now is no longer covered by copyright, so no royalty needs to be paid for the TSC's performance.

11 Schedule for future meetings

The meeting schedule is available at <http://www.esta.org/ESTA/meetings.php> (all ESTA meetings) and <http://tsp.esta.org/tsp/meetings/index.php> (TSP meetings only).

11.1 March 2016 meetings

The March 2016 meeting is schedule for Wednesday, 16 March 2016, from 7-11pm at the Salt Lake City Downtown Marriott, in conjunction with the 2016 USITT Conference. The conference dates are 16-19 March 2016.

11.2 July 2016 meetings in conjunction with NATEAC

The July 2016 meetings will be held in conjunction with NATEAC in New York City. Meeting dates are tentatively scheduled for 14-18 July, while the conference dates are 17-18 July 2016. Information on the conference is available at <http://www.nateac.org/>.

Bill Sapsis reported on the preparations being made for the NATEAC conference. The dinner on Sunday, July 17, will be a fund-raiser for Behind the Scenes. The Harbor Cruise will be on July 16, Saturday night.

12 Adjournment

Bill Sapsis moved that the meeting adjourn. The motion was seconded. Hearing no objections, Mike Garl declared the meeting adjourned at 11:51.

Technical Standards Council Members as of 2 February 2016

Name	Company	Representing	Voting status
Matthew Antonucci	Contract Services Administration Trust Fund	CSATF	P
Ron Bonner	PLASA Technical Resources Office	PLASA EU	O
Harry Box	ESTA Production Equipment Rental Group	ESTA Production Equipment Rental Group	O
Louis Bradfield	Louis Bradfield	USITT	A
Mark Engel	Rosco Laboratories		O
Mike Garl	Mike Garl Consulting LLC		P
Jerry Gorrell	Theatre Safety Programs	USITT	P
Erin Grabe	ESTA		exf
Mitch Hefter	Mitch Hefter		P
A. Scott Hoyt	Heartland Scenic Studio	PLASA NA Treasurer	exf
David Johnson	Penton Media		O
Fred Kosiewski	Walt Disney Parks & Creative Entertainment		P
Edwin S. Kramer	I.A.T.S.E. Local 1		P
Jules Lauve	Theatre Projects Consultants, Inc.	ASTC	P
Eugene Leitermann	Nextstage Design	ASTC	A
David E. Miller	Walt Disney Parks & Creative Entertainment		A
Kimberly Corbett Oates	Schuler Shook	ASTC	A
Eddie Raymond	IATSE Local 16	IATSE Local 16 (ESTA President)	P
JR Reid	JR Lighting, Inc.	PLASA Production Equipment Rental Group	O
Alan M. Rowe	IATSE Local 728	IATSE Crafts Advancement Program	P
Heather Rowe	Contract Services Administration Trust Fund	Contract Services Administration Trust Fund	A
Lori Rubinstein	ESTA	ESTA	exf
Karl G. Ruling	ESTA	ESTA	exf
Marian Sandberg	Penton Media		O
Bill Sapsis	Sapsis Rigging, Inc.		P
Larry Schoeneman	DesignLab Chicago, Inc.		P
Steve Terry	Electronic Theatre Controls		P
Ken Vannice	Ken Vannice LLC		P
Mike Wood	Mike Wood Consulting LLC		P