

Minutes
Technical Standards Committee
Friday, 18 July 2008
Pace University
New York, NY

Chairman: Mike Garl; James Thomas Engineering, Inc; P

Recording secretary: Karl G. Ruling; ESTA

Members attending: William Conner; Bill Conner Associates LLC, representing ASTC; P
Larry Schoeneman; Designlab Chicago, Inc.; P
Steve Terry; Electronic Theatre Controls; P
Edwin S. Kramer; I.A.T.S.E. Local 1; P
Ken Vannice; Colortran (Leviton Manufacturing Co., Inc.); P
David Johnson ; Live Design (Penton Media); O
Marian Sandberg; Live Design (Penton Media); O
Ron Bonner; PLASA; A
Bill Groener; PRG Systems Integration Group; P
Mitch Hefter; Entertainment Technology (Royal Philips Electronics); P
Bill Sapsis; Sapsis Rigging, Inc.; P
Richard Cadena; Projection, Light & Staging News (Timeless Communications Corp.); P
Jerry Gorrell; Theatre Safety Programs, representing USITT; P
Louis Bradfield; representing USITT; A

Visitors: Roger Lattin; IATSE Local 728
Michael Lay; Strand Lighting
John Johnson; PERA
Kent Jorgensen; IATSE Local 80

1 Opening remarks

Mike Garl called the meeting to order at 13:06, having delayed the start to allow time for those who might have trouble finding the meeting room at Pace University to arrive. He noted the warm weather, which was comparable to the weather in Texas, where we usually meet in July.

2 Attendance and membership

2.1 Taking attendance

A blue attendance sign-in sheet was circulated.

2.2 Welcome to visitors

The visitors were welcomed.

2.3 Introductions

Those present introduced themselves.

2.4 Consensus body

Garl noted that a quorum was present and announced that business could be conducted. The full consensus body during this meeting, including those not present, was:

Name	Company	Representation	Voting status
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P
Eugene Leitermann	Theatre Projects Consultants, Inc.	Amer. Society of Theatre Consultants	A
Larry Schoeneman	Designlab Chicago, Inc.		P
Steve Terry	Electronic Theatre Controls		P
Edwin S. Kramer	I.A.T.S.E. Local 1		P
Mike Garl	James Thomas Engineering, Inc.		P
Ken Vannice	Colortran (Leviton Manufacturing Co., Inc.)		P
Mike Wood	Mike Wood Consulting LLC		P
Matthew Griffiths	PLASA	PLASA	P
Ron Bonner	PLASA	PLASA	A
Bill Groener	PRG Systems Integration Group		P
Mitch Hefter	Entertainment Technology (Royal Philips Electronics)		P
Bill Sapsis	Sapsis Rigging, Inc.		P
Richard Cadena	Projection, Light & Staging News (Timeless Communications Corp)		P
Jerry Gorrell	Theatre Safety Programs	USITT	P
Louis Bradfield	Louis Bradfield	USITT	A
Florian von Hofen	VPLT	VPLT	P
			14

3 Approval of minutes from the previous meeting

See TSC/ 2008-0003, file name TSCmin03-2008.pdf

Bill Sapsis moved that the draft minutes be accepted. The motion was seconded and then approved with a show of hands.

4 Call for patents, to be read aloud to the assembly

The following statement was 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 the Technical Standards Committee of the existence of a patent or copyright or other intellectual property that might protect material in a standard being developed by a working group. You need not be the holder of the patent or copyright to notify the Technical Standards Committee of its existence."

No protected intellectual property was brought to the attention of the assembly.

5 Anti-trust statement

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

"The ESTA Board of Directors and the leadership of this Technical Standards Committee 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 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."

A copy of the easy-to-read pamphlet was held aloft by the Technical Standards Manager, Karl Ruling, to show that it was readily available. No restraint of trade issues were brought to the attention of the assembly.

6 Approval of agenda

Some agenda items were suggested by Mike Lay and Mike Garl. Eddie Kramer moved that the amended agenda be accepted. The motion was seconded and then approved with a unanimous show of hands.

7 Reminder about ESTA committee contact information on the website

Lori Rubinstein reminded people to check the committee membership and contact information on the website, and to let the ESTA office staff know if there are any changes needed in the listings.

8 Old business and standing reports

8.1 Financial reports

8.1.1 Treasurer's report

See TSP_Budget_Info_06-30-08.pdf

Mike Wood was not present, so Lori Rubinstein reported. She said that expenses are on track, but we are seriously down in TSP contributions. Richard Cadena asked why the donations have dropped. Steve Terry said that we now have several worthy causes for ESTA members to contribute to, and they are distributing their contributions differently. Rubinstein mentioned the loss of the VAT refund donations as a contributing factor. The laws and procedures are changed, so that the VAT refunds are dwindling and are likely to continue to do so.

Mike Garl suggested that all persons present remember to remind people that donations are needed, that they should take this message back to their employers. Terry said that he thought that group is tapped out, that we need to expand the pool. He suggested the audio industry.

Terry asked, What's the urgency? Rubinstein said the urgency is high. ESTA is running a deficit budget, and cannot sustain that indefinitely.

Terry suggested that Mike Garl appoint a task group to find a solution to this problem. It won't be solved here in this meeting.

There was a discussion of the work of the marketing task group. Could this be their task, too? Rubinstein argued against that, since the group is focused on marketing the program and the use of standards, not on raising donations. It needs to be another group. Mike Garl said he would take that under advisement.

Terry suggested that if funding is going down, then we need to cut expenses and the size of the program. How do we do that? What should be cut? We need a strategy for cutting expenses. This will help focus attention on why funding is needed.

Jerry Gorrell said that he thought there were untapped audiences. He is doing training with AV companies, and they are just becoming aware of our work. Garl asked if Gorrell would be willing to serve on the fund-raising task group.

8.1.2 Status of contributions and pledges

See TSP_Contributions_06-30-08.pdf

Rubinstein asked if anyone present has any contacts at LVH? The company has not responded to the invoices.

Steve Terry noted that there is no 2008 contribution listed for USITT. Mitch Hefter said that contribution will be forth-coming. It will help the bottom line, but will not erase the projected deficit.

8.1.3 Accounting of TSP documents sold

See TSP_Publication_Sales_06-30-08.pdf.

Lori Rubinstein noted that that the ANSI numbers are not up to date. It takes months to get a report and a check from ANSI.

8.1.4 TSP Marketing

Lori Rubinstein reported that the marketing is behind where it had planned to be, but that a new email blast going out to audio companies. This will be today [18 July 2008], said David Johnson. David Johnson said he'd had some back and forth with the municipal market publishers, and the final result is that they will help.

8.2 Old Business

8.2.1 TSM's report

8.2.1.1 Report on status of documents: ones in process, ones stable, ones needing action or of concern

See PrjctsSmmry2008-07.pdf (Appendix A to these minutes)

There were no comments. Mike Garl thanked Karl Ruling for the report, and noted that it is sent to the ESTA Board.

8.2.1.2 Documents or projects requiring action by the TSC

8.2.1.2.1 A vote for public review of BSR E1.31, Entertainment Technology - Lightweight streaming protocol for transport of DMX512 using ACN

See CP_E1-31BallotResults.pdf, E1-31FrstPubRvwResols.pdf, E1-31FrstRvwCmmntSmmry.pdf, and E1-31r2.pdf.

Mitch Hefter moved that the revised version of BSR E1.31 be offered for public review. The motion was seconded, and then approved with a roll call ballot, with 12 out of a possible 14 voting Yes, and no opposition. Mike Wood and VPLT were not present.

Name	Company	Representing	Voting status	Yes	Yes with comments	No with reasons	Abstain
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P	X			
Eugene Leitermann	Theatre Projects Consultants, Inc.	Amer. Society of Theatre Consultants	A				
Larry Schoeneman	Designlab Chicago, Inc.		P	X			
Steve Terry	Electronic Theatre Controls		P	X			
Edwin S. Kramer	I.A.T.S.E. Local 1		P	X			
Mike Garl	James Thomas Engineering, Inc.		P	X			
Ken Vannice	Colortran (Leviton Manufacturing Co., Inc.)		P	X			
Mike Wood	Mike Wood Consulting LLC		P				

Name	Company	Representing	Voting status	Yes	Yes with comments	No with reasons	Abstain
Matthew Griffiths	PLASA	PLASA	P				
Ron Bonner	PLASA	PLASA	A	X			
Bill Groener	PRG Systems Integration Group		P	X			
Mitch Hefter	Entertainment Technology (Royal Philips Electronics)		P	X			
Bill Sapsis	Sapsis Rigging, Inc.		P	X			
Richard Cadena	Projection, Light & Staging News (Timeless Communications Corp.)		P	X			
Jerry Gorrell	Theatre Safety Programs	USITT	P	X			
Louis Bradfield	Louis Bradfield	USITT	A				
Florian von Hofen	VPLT	VPLT	P				
				12			

8.2.1.2.2 A vote for public review on BSR E1.32, the luminaire inspection document.

See E1-32_2006-7016r3.pdf, E1-32FrstRsls.pdf, E1-32ResolsBallotSmmry.pdf

Eddie Kramer moved that the revised draft E1.32 standard be offered for public review. The motion was seconded and then approved by a roll call ballot, with 12 out of a possible 14 voting Yes, and no opposition. Mike Wood and VPLT were not present.

Name	Company	Representing	Voting status	Yes	Yes with comments	No with reasons	Abstain
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P	X			
Eugene Leitermann	Theatre Projects Consultants, Inc.	Amer. Society of Theatre Consultants	A				
Larry Schoeneman	Designlab Chicago, Inc.		P	X			
Steve Terry	Electronic Theatre Controls		P	X			
Edwin S. Kramer	I.A.T.S.E. Local 1		P	X			
Mike Garl	James Thomas Engineering, Inc.		P	X			
Ken Vannice	Colortran (Leviton Manufacturing Co., Inc.)		P	X			
Mike Wood	Mike Wood Consulting LLC		P				
Matthew Griffiths	PLASA	PLASA	P				
Ron Bonner	PLASA	PLASA	A	X			
Bill Groener	PRG Systems Integration Group		P	X			
Mitch Hefter	Entertainment Technology (Royal Philips Electronics)		P	X			
Bill Sapsis	Sapsis Rigging, Inc.		P	X			
Richard Cadena	Projection, Light & Staging News (Timeless Communications Corp.)		P	X			
Jerry Gorrell	Theatre Safety Programs	USITT	P	X			
Louis Bradfield	Louis Bradfield	USITT	A				
Florian von Hofen	VPLT	VPLT	P				
				12			

8.2.1.2.3 Consideration of a proposal from the CPWG that our standards be made available for free

See item 9.3 in the draft March 2008 CPWG minutes.

Mike Lay explained the sponsorship of free standards distribution idea from the CPWG. There are people within the task groups who want to make the standards available at no cost to the user.

Mike Garl said that sponsorship sounds like a directed contribution. Rubinstein agreed that the proposal is questionable and would need to be vetted by our lawyer. Bill Groener said that he didn't think that this was a directed funding issue.

Steve Terry said that some of the working group members would be content with making the documents be readable for free. Then you can see what it says, and buy it if it looks useful. Jerry Gorrell said that the NFPA has documents that can be read on-line but not saved or printed. Karl Ruling said that all of those protection schemes can be broken. If you can see it on your screen, you can save it and print it. Ruling suggested that if working group members want to sponsor free distribution, that they simply buy copies of the standards and give them away for free.

David Johnson suggested rotating banner ads on the website to fund giving away standards. The banners wouldn't be tied to a particular standard, but would simply rotate.

Bill Sapsis suggested that perhaps we need to look at the funding for the whole program--even all of ESTA.

Steve Terry said that if there is one iota of resistance to people using our standards because they must be bought, then we really should give them away, but how do we find \$15,000 to make up for the lost revenue in the face of a deficit budget. Right now we should defer this, because we can't afford two cents of revenue loss. We can't afford not to sell standards.

Bill Groener suggested that perhaps we should try targeted fund-raising, with the carrot being that contributions could fund free standards. Lori Rubinstein said that would be a nightmare. What do we do if the contributions go down? Go back to selling after we had said that contributions would fund free distribution? Ruling suggested that the "Investors in Innovation" with a donation sheet could be included as part all the standards we sell as PDFs. Thus, there would be an added incentive to donate, and a reason to donate on a regular basis, since the "Investors in Innovation" list shows current donors.

Mike Garl summarized the discussion by saying that the consensus is that we would like to distribute the standards at no cost, but we can't afford to do so now. However, we will continue to explore the issue and funding options that would make the income from standards unnecessary.

8.2.1.2.4 Responding to an invitation to attend a meeting on 26 September 2008 at the offices of the Canadian Standards Association in Mississauga, Ontario to discuss the proposal to adopt in North America IEC 61000-3-2, Electromagnetic Compatibility (EMC) Part 3-2: Limits for Harmonic Current Emissions.

See Invitation to Industry Consultation on IEC61000-3-2 (September 26, 2008).pdf and UPDATE_Harmonics_(Jan_8_2008).pdf

Steve Terry volunteered to attend on ESTA's behalf at ETC's expense. The consensus was that this was acceptable. Karl G. Ruling will respond and identify Steve Terry as ESTA's representative. Ken Vannice will also go as one of Leviton's representatives, since he wrote and was invited, too. Eddie Kramer thanked Steve Terry for going and ETC for funding the trip.

8.2.2 Optional reports by working and task group leaders present on active projects

8.2.2.1 Camera Cranes

John Johnson, the executive director of PERA was introduced by Mike Garl. Garl noted that PERA has an interest in the E1.12 project moving forward.

Kent Jorgensen reported on the project's progress. He said that manufacturers seem to be reluctant to write a new standard, but are amenable to adopting a European standard that they already have to follow. The working group may split the document so that there is a manufacturer part and a user part.

Steve Terry quoted from the TSM's report in which he says that he has not received the minutes of the last Camera Crane Working Group meeting. Kent Jorgensen said that he thought he'd sent the last meeting minutes, but that he will send them to Karl Ruling if he hasn't.

Steve Terry questioned if there is a real project here. It needs a person with a fire in his or her belly to make it happen. Is there such a person? If there is not, then it should be dropped, because it will never be done.

8.2.2.2 Control Protocols

8.2.2.2.1 ANSI E1.11, DMX512A

Mitch Hefter and Ron Bonner announced that the PLASA/USITT recommended practice for DMX512-A has been published. Hefter and Bonner each held up copies.

Karl Ruling handed around a copy of DMX512-A 灯光控制数据传输协议 (DMX512-A Digital Data Transmission Standard for Lighting Control), a Chinese version of ANSI E1.11 -2004 but with the errors corrected. It came into force in the People's Republic of China on June 1.

Mitch Hefter reported on E1.11 revision project to correct the errors and to add UTF-8 coding for messages that can't be sent in ASCII, and the one public review comment on the draft document.

8.2.2.2.2 E1.20, RDM errata

Mike Lay suggested that we send the corrected E1.20 standard to those people who bought the defective one when we get it finished.

Steve Terry moved that we give ANSI E1.20 - 200x when it is published to all those who had bought it previously, to the extent that we can identify who those people are. The motion was seconded and then approved with a unanimous show of hands.

8.2.2.3 Electrical Power

Mitch Hefter reported that BSR E1.18 had received 112 comments. The EPWG will be discussing them at the next meeting. He commented on the tenor of some of the comments, which he found to be beneath the seriousness of our work.

8.2.2.4 Flame Resistance Task Group

Jerry Gorrell reported that the task group had met recently by conference call. They have decided that they will focus on revising the flammability field test to work with synthetic IFR fabrics better. The group is also working on a glossary.

8.2.2.4 Floors

There was a brief discussion of revised version of BSR E1.34, which has one statement of a dimension changed in it so that the dimension is the same in the two places where it is cited.

Bill Sapsis moved that the revised BSR E1.34 document be offered for public review, assuming that the working group also approves the public review of the document without further modifications at its meeting. The motion was seconded, and then approved, with all present voting in favor.

Name	Company	Representing	Voting status	Yes	Yes with comments	No with reasons	Abstain
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P	X			
Eugene Leiternann	Theatre Projects Consultants, Inc.	Amer. Society of Theatre Consultants	A				
Larry Schoeneman	Designlab Chicago, Inc.		P	X			
Steve Terry	Electronic Theatre Controls		P	X			
Edwin S. Kramer	I.A.T.S.E. Local 1		P	X			

Name	Company	Representing	Voting status	Yes	Yes with comments	No with reasons	Abstain
Mike Garl	James Thomas Engineering, Inc.		P	X			
Ken Vannice	Colortran (Leviton Manufacturing Co., Inc.)		P	X			
Mike Wood	Mike Wood Consulting LLC		P				
Matthew Griffiths	PLASA	PLASA	P				
Ron Bonner	PLASA	PLASA	A	X			
Bill Groener	PRG Systems Integration Group		P	X			
Mitch Hefter	Entertainment Technology (Royal Phillips Electronics)		P	X			
Bill Sapsis	Sapsis Rigging, Inc.		P	X			
Richard Cadena	Projection, Light & Staging News (Timeless Communications Corp.)		P	X			
Jerry Gorrell	Theatre Safety Programs	USITT	P	X			
Louis Bradfield	Louis Bradfield	USITT	A				
Florian von Hofen	VPLT	VPLT	P				
				12			

8.2.2.5 Fog and Smoke

Larry Schoeneman reported on the progress made with revising ANSI E1.5 and writing BSR E1.29. He said that the working group also has started work on a revision of ANSI E1.23 to correct the CAS registry numbers in the scope statement to better reflect the CAS numbers of the dipropylene glycol and mineral oil used in theatrical fog effects. He commented on the positive presence of Monona Rossol at the meeting. He also said that AGMA is willing to work with effects, as long as they are safe.

Bill Conner asked about fire alarms and fog. Schoeneman talked about his frustration with the NFPA technical committee responsible for the fire alarm standard. Schoeneman said that false tripping problems in Las Vegas have been solved by putting a human being in the circuit between the fire/smoke detection and the alarm being issued, as is described in NFPA 101. Jerry Gorrell said this is the "theatrical mode" for the fire alarm system used at the Phoenix convention center and civic theatres. It works. Ron Bonner says that is essentially what is done in the UK.

8.2.2.6 Followspot Position

No further report.

8.2.2.7 Photometrics

No further report.

8.2.2.8 Rigging

Sapsis reported on the E1.4 and E1.6 manual and powered rigging system projects, but he said that the most exciting project is the ARUP fire modeling project, which will provide information that may help the BSR E1.22 fire safety curtain system project. Bill Conner said that the biggest problem for the fire modeling is estimating how much fuel might be on a stage.

8.3 Reports of affiliated organizations

8.3.1 ASTC

Bill Conner said that Steve Terry and Bill Groener will meet with ASTC at their meeting after the NATEAC conference.

8.3.2 PLASA

Ron Bonner reported that deca-BDE is found in a lot of plastics and has been added to RoHS. The ban is immediate, which creates the problem that goods now manufactured and in shipment are now illegal. Political consultants are now being engaged by PLASA to sort out the problem.

Bonner also reported that by 2010 all industries will have to assess the hazards of the light to which their workers are exposed. He took a contingent of scientists to the Martin factory for some tests, and the initial results showed no problem complying with the exposure limits.

8.3.3 USITT

Nothing new, reported Gorrell.

8.3.4 VPLT

No report.

8.4 Reports on liaisons and news from other industry groups

8.4.1 CANENA

Eddie Kramer reported that CANENA was talking about having a meeting in New York, but didn't have one.

8.4.2 ETCP

Lori Rubinstein reported that the program is making progress and has turned a corner in rigging certification. The numbers are good, particularly for arena rigging. Many convention centers are now requiring certified riggers in supervisory positions. Lots of pencil and paper exams being given. Electrical certification has been slow to take off. So far there has been very little pick-up on electrical.

Jerry Gorrell says that he is seeing more interest in the electrical exam as he does his safety training.

8.4.3 ICC

Jerry Gorrell said that the final action meeting on the changes to the International Building Code will be held September 17 through 23 in Minneapolis.

Bill Conner suggested that the International Code Council is the organization we should get to reference our standards. Then sales will take off.

8.4.4 NFPA

8.4.4.1 NFPA 101 (Life Safety Code) and 5000 (building code)

No report.

8.4.4.2 NFPA 1126 (proximate pyro) and 160 (flame effects)

Larry Schoeneman reported that the technical committee is planning meetings for next year for the reaffirmation/revision of the standards.

Possible presentation at meeting in Chicago about ESTA's standards. Also, they might want to address fog effects. We need to get them, if they do, to reference our standards.

8.4.4.3 NFPA 70 (NEC)

Mitch Hefter reported that that proposal period is open. Steve Terry remarked on the a lack of interest in our industry, but suggested that he, Mitch Hefter, and Ken Vannice will make up for the lack of interest from the rest of the industry. He has specific concerns with emergency lighting.

8.4.4.4 NFPA 80 (fire doors and windows--and fire safety curtains, too)

Jerry Gorrell said that the comments are welcome on the Report on Proposals until August 29th. It's at the beginning of the revision cycle, said Conner.

8.4.5 Others

8.5 Review of action items from last meeting not covered above

Karl Ruling said that our response to "ban the bulb" was posted as TSP news on the ESTA website at <http://www.esta.org/tsp/news/newsdetails.php?newsID=272>.

9 New Business

9.1 Webcast meetings

Ruling reported that he had received an email from Frances Thompson on July 10 saying that the BSR E1.6-3 task group (use of electric chain hoists) had had a successful webcast meeting and wanted to schedule more, but that the meeting had cost ESTA about \$300 for two hours, which obviously has a budget impact.

Steve Terry moved that task groups shall use whatever webcasting or teleconferencing meeting means they want at their cost. The service shall not be provided by the TSP. The motion was seconded. The motion was approved with a unanimous show of hands.

9.2 Wiki environment

The Fire Resistance Task Group had experimented with using a commercial wiki site for developing their documents, but Karl Ruling expressed concern about potential problems with monitoring the activities there and possible liability exposure. There was discussion.

Steve Terry moved that we ask David Saltiel for his opinion on using wiki environments. The motion was seconded. The motion was approved with a unanimous show of hands.

Karl Ruling was directed to contact David Saltiel.

9.3 Manual chainhoist proposal

The proposal to write a *Recommended practice for safe use of manually operated chain hoists in the entertainment industry when lifting or lowering a continuous structure* was discussed.

Steve Terry moved that we send the proposal to the Rigging Working Group for consideration. The motion was seconded. The motion was approved with a unanimous show of hands.

10 Other business

None.

11 Schedule for future meetings

Lori Rubinstein announced that the next meeting is scheduled for Wednesday, 22 October 2008, 13:00 to 17:00, at Harrah's Las Vegas. The following meeting is scheduled for Sunday, January 25, from 9:00 to 13:00 at the Dallas/Fort Worth Marriott Solana in Westlake, Texas. There are three restaurants outside the door. It is further from the airport than the Dallas/Ft. Worth Airport Marriott South, so it takes longer to get there, but there is free shuttle service.

12 Adjournment

Bill Sapsis moved that the meeting adjourn. The motion was seconded and then approved with a show of hands. Mike Garl declared the meeting adjourned at 16:15.

TSC Membership and Contact Information as of 23 September 2008

Name	Company	Representing	Voting status
William Conner	Bill Conner Associates LLC	ASTC	P
Eugene Leitermann	Theatre Projects Consultants, Inc.	ASTC	A
James Niesel	ARUP		P
Larry Schoeneman	Designlab Chicago, Inc.		P
Steve Terry	Electronic Theatre Controls		P
Edwin S. Kramer	I.A.T.S.E. Local 1		P
Mike Garl	James Thomas Engineering, Inc.		P
Ken Vannice	Colortran (Leviton Manufacturing Co., Inc.)		P
Mike Wood	Mike Wood Consulting LLC		P
David Johnson	Live Design (Penton Media)		O
Marian Sandberg	Live Design (Penton Media)		O
Matthew Griffiths	PLASA	PLASA	P
Ron Bonner	PLASA	PLASA	A
Mark Engel	Rosco Laboratories		O
Mitch Hefter	Entertainment Technology (Royal Philips Electronics)		P
Bill Sapsis	Sapsis Rigging, Inc.		P
Bill Groener	Tim Hunter Design, LLC		P
Richard Cadena	Projection, Light & Staging News (Timeless Communications Corp.)		P
Jerry Gorrell	Theatre Safety Programs	USITT	P
Louis Bradfield	Louis Bradfield	USITT	A
Florian von Hofen	VPLT	VPLT	P

**Appendix A
TSM's Report on TSP Projects
For the 18 July 2008 TSC Meeting**

PUBLISHED DOCUMENTS WITH NO WORK NEEDED AT THIS TIME

Application Guide for ANSI E1.3 - 2001 Entertainment Technology Lighting Control Systems 0 to 10V Analog Control Specification (CPWG)

Camera crane operator's handbook (CCWG)

Introduction to Modern Atmospheric Effects, 4th edition (FSWG)

Nothing significant has happened in the field since this edition was published.

ANSI E1.1-2006, wire rope ladders (RWG)

ANSI E1.2-2006, aluminum towers and trusses (RWG)

ANSI E1.3 - 2001 (R2006), 0-10V analog control specification (CPWG)

ANSI E1.8-2005, speaker enclosures for rigging standard (RWG)

ANSI E1.9-2007, reporting photometric data revision (PHWG)

ANSI E1.14-2001 (R2007), Recommendations for Inclusions in Fog Equipment Manuals (FSWG)

ANSI E1.15-2006, boom & base assemblies (RWG)

ANSI E1.16-2002 (R2006), Configuration Standard for Metal Halide Ballast Power Cables (EPWG)

ANSI E1.21-2006, portable roof systems (RWG)

ANSI E1.24-2006, pin connector intermatability standard (EPWG)

ANSI E1.25-2006, flat-wall photometry basic conditions (PHWG)

ANSI E1.26-2006, floor energy absorption (FLWG)

ANSI E1.27-1-2006 (portable DMX512 cabling) (CPWG)

ANSI E1.35 - 2007, Lens Quality Measurements for Pattern Projecting Luminaires Intended for Entertainment Use (PHWG)

ANSI E1.36 - 2007, Model Procedure for Permitting the Use of Tungsten-Halogen Incandescent Lamps and Stage and Studio Luminaires in Vendor Exhibit Booths in Convention and Trade Show Exhibition Halls (PHWG)

PUBLISHED DOCUMENTS WITH WORK NEEDED

Recommended Practice for Ethernet Cabling Systems in Entertainment Lighting Applications and The Supplement to the Recommended Practice for Ethernet Cabling Systems in Entertainment Lighting Applications (CPWG)

These two documents are listed together because we now sell them bundled. The first is old and covers obsolete systems. The supplement builds on the first, so we haven't gotten rid of the first. The supplement also is old, and the working group has discussed revising it, but it's not obsolete yet for what it covers, which is 100 megabit/second systems. There are faster versions of Ethernet and wireless available now, and there are technical problems arising with the use of switches and broadcast messages, so there are issues that these documents do not address. We will need to do something to update these documents, but the CPWG is very busy with other projects, and I doubt that revising these documents should take precedence over those other projects.

ANSI E1.23-2006, general fog effect planning standard (FSWG)

The projects to reaffirm ANSI E1.5 (glycol and glycerin fog exposure limits) and to accept a new fog equipment product safety standard, BSR E1.29, have shown that the CAS numbers we have been using for highly refined mineral oil and dipropylene glycol are incorrect. The CAS number we've been using for oil is one for a more generic mineral oil, and the number for dipropylene glycol is for only one of the three isomers. Furthermore, usually a mixture of the three isomers is used for fog fluid, and this mixture has its own CAS number. ANSI E1.23 needs to be revised so that the CAS numbers it uses for the fluids in the scope actually match the CAS numbers used by the manufacturers of the fog effects equipment the standard is intended to cover.

ACTIVE PROJECTS

Things needing action by the TSC at this meeting are highlighted in **green**.

Fire Resistance Task Group

Most of the principal task group members are all in the New York area and have been meeting regularly to refine the problem and to break it down into specific issues. It all seems to be going well, but I would like to steer them into settling on a particular standard or group of standard to try to fix rather than getting involved in a Sisyphean task of trying to catalog all the fire standards and codes everywhere.

BSR E1.4, manual rigging systems (RWG)

The Rigging Working Group's response to Jim Read Jr.'s letter was been sent to Jim Read via mail and email. The revised draft standard was offered for a ninth public review through March 17, and received a total of 33 comments from five people. The E1.4 task group has been working on possible resolutions to the comments. I haven't seen them, so I don't know how the task group is suggesting that the comments be resolved, whether the resolutions would require substantive changes or not. I think a set of comment resolutions should be ready for the October Rigging Working Group meeting.

ANSI E1.5-2003, glycol and glycerin fog exposure standard (FSWG)

The document was offered for public review through March 17 and received no comments, so the working group entertained a motion to reaffirm the standard. During the letter ballot one person commented that the CAS number for dipropylene glycol was the CAS number for only one of the isomers, and wasn't the number for the mixture of isomers commonly used in fog fluid. Wendy Holt of AMPTP, a voter in the Fog & Smoke Working Group, also said that the miss-match between the standard and what producers are seeing on MSD sheets also was making them uneasy. During the comment recirculation, enough people changed their votes to No that the motion to reaffirm the standard failed, and now we are in a revision project. ANSI has been informed of the change. A revised standard has been sent to the working group for consideration at its meeting at Pace.

Our literature supports the listing of all four isomers for dipropylene glycol. With some compounds there are significant differences between the isomers. There are apparently no significant differences with dipropylene glycol.

BSR E1.6-1, powered winch hoist systems (RWG)

The last public review ran from 10 November 2006 through the end of the day 25 December 2006. The task group is working on draft resolutions, but recently reviewed the CWA 25 draft. They believe that some of the document is superior to our document, and are now using the CWA document as a model. This has delayed their comment resolutions, and I filed for an extension with ANSI. The extension was granted. ANSI is in favor of harmonizing standards; I would have been very surprised if they had rejected the extension request.

BSR E1.6-2, powered serially produced chain hoist systems (RWG)

The document was offered for public review through 26 May 2008. One person responded and offered two comments. The RWG needs to resolve those comments.

BSR E1.6-3, safe use of serial manufactured electric chain hoists in the entertainment industry (RWG)

The project was started at the October 2006 meeting, and since then the task group has been working on a first draft. At the January meeting the task group leader, Charlie Weiner, predicted that the task group would have a document ready to consider for public review in "another couple of meetings," which would be this meeting, but I have not received a copy of a draft document.

BSR E1.6-4, Control of Serially Manufactured Electric Chain Hoists in the Entertainment Industry (RWG)

This project was created at the Summer 2007 RWG meeting. The task group is working on a first draft. At the March meeting Dan Culhane reported that the task group might have a document for the working group to consider by LDI. This project has brought in a lot of hoist controls manufacturers, who were not active in the TSP before.

BSR E1.11, DMX512-A revision (CPWG)

The document was in public review until July 8. Two people responded. Mitch Hefter responded "Yes" to the question of whether we should accept the document as it is. Jerry Durrand responded "Yes with comments," and suggested that we change the wording in two tables to clearly show that an update rate faster than 44 times a second is possible if fewer than 512 slots are sent.

BSR E1.12, camera crane standard (CCWG)

This project is moving very, very slowly. The working group met in January in Burbank, but six months later I have not seen the draft minutes. The working group may split the document into parts, and develop the user's part from the Camera Crane Operators Handbook.

BSR E1.17, ACN (CPWG)

We've started a project to correct errors in the existing ANSI E1.17. Dan Antonuk had prepared some errata and revision documents, and they were offered to the CPWG at the last working group meeting. A motion was made and seconded to offer the documents for public review by letter ballot. The documents that Dan Antonuk had submitted for the meeting were not quite polished and needed the correct document numbers, so I have been waiting to get the reference documents from Antonuk. I have asked Dan about them, but I haven't received them yet, so I haven't issued the letter ballot.

BSR E1.18, Recommended practice for selection, installation, and use of portable feeder cable (EPWG)

We offered a radically trimmed version designated E1.18-1 for public review through 26 May 2008. This document was sent to the original commenters on BSR E1.18, with a letter explaining the lack of a comment resolution document and asking if the new document satisfied their concerns. Five people commented, only two of whom were original commenters. One who had originally responded "No with reasons" now responded "Yes with comments" and offered editorial corrections for misspelled words.

The other, who had responded "Yes" on the first review, now responded "No with reasons" and submitted 90 comments and a new version of the standard that contains the material that was cut out. The comment summary has been sent to the working group, and I am sure there will be a lively discussion at the EPWG meeting.

BSR E1.19, Recommended practice for use of Class A GFCIs (EPWG)

The document was offered for public review through 26 May 2008. Two people responded. One responded "Yes," and the other, a Canadian, responded "Yes with comments," but wrote "I find it fine for the drier climate in the USA, but would vote NO if the question was to accept it for all of North America as stated in 1.1 as the wet/damp/moisture issue is not adequately handled by this document." He didn't offer any constructive suggestions on how to make it better handle the "wet/damp/moisture issue," which is unfortunate. Contrary to what he says about the US climate, some of the US is much wetter than Canada, so wet/damp/moisture is an issue here. His comments were few and vague; it will be easy to answer them, although it might be hard to satisfy him.

BSR E1.20, a revision of ANSI E1.20-2006, Remote Device Management (CPWG)

We've formally started the revision process to correct errors. The working group is now voting by letter ballot to approve the public review of two documents. One lists the errata, and the other is a set of pages from the standard showing the changes that would be made to the standard to correct the errors noted in the errata. The letter ballot on the public review motion closes at the end of the day on July 30. The plan is to offer these two documents as the public review documents, so we are not giving away the whole standard again in public review, although some in the CPWG feel that we should give away all our standards all the time.

BSR E1.22, fire safety curtain systems (RWG)

The draft standard was in public review through March 17. Two people commented and offered 14 comments. The task group has been working on draft resolutions, but I haven't seen them yet. Arup's fire modeling project may have an impact on how the comments are resolved. The models were supposed to be completed by the end of May (I don't know if they were) with the results of the analysis finished by September.

BSR E1.27-2, permanent DMX512 cabling (CPWG)

The CPWG has a draft comment resolution document and a revised draft recommended practice to consider. The document was changed from a thou-shalt standard to a you-should recommended practice to address the disagreement in the working group over mandating particular wiring practices. Some people felt that the document is not needed because we have been wiring venues for DMX512 for about 20 years and acceptable practices have been developed in the field. Others felt that we need this document to state what those acceptable practices are so that they can be cited in specifications and so that electrical contractors from outside the entertainment industry will have a guidance document. The latter camp has prevailed.

BSR E1.28, followspot position planning guidance document (FPWG)

The document received a lot of comments from members of the theatre consultant community, and few from anyone outside it, during its public review through January 14. The small working group has been working as a task group to write resolutions to the comments. There are no serious disagreements within the working group, but the work is slow because work only gets done when the working group meets.

BSR E1.29, fog equipment product safety standard (FSWG)

The document was offered for public review through March 17 and received no comments, so the working group then entertained a motion to accept the draft standard. During the letter ballot one person commented that the CAS number for dipropylene glycol was the CAS number for only one of the isomers, and wasn't the number for the mixture of isomers commonly used in glycol fog fluid. Furthermore, the CAS number for mineral oil wasn't the CAS number used on the MSDSs of oil fog equipment manufacturers. Another person offered a comment asking for some wording to allow an

exemption from a test for some heated fog products. During the comment recirculation enough people changed their votes to No that the motion to accept the draft standard failed. A version that addresses the concerns expressed on the letter ballots has been drafted and sent to the Fog & Smoke Working Group for consideration at its meeting at Pace.

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

Ten new EPIs that are part of this project are in public review through August 25.

BSR E1.31, Lightweight streaming protocol for transport of DMX512 using ACN (CPWG)

The most recent public review ended 19 March 2007. The working group has developed a set of comment resolutions and a revised draft standard, and voted to offer the draft standard for another public review. The public review motion is before the TSC for action.

BSR E1.32, luminaire maintenance guidance (EPWG)

The working group approved a set of comment resolutions for the first public review, and has voted to offer the document for a second public review. The TSC now needs to act on that motion.

BSR E1.33, RDM over ACN (CPWG)

Little progress has been made with this. Most of the effort is going into BSR E1.31. For one meeting cycle the E1.33 project was rolled into E1.31, but it was unrolled at the last CPWG meeting so that the lack of progress here would not hold up the E1.31 part. I have heard no technical reason for merging the two projects. The arguments have been about market acceptance of E1.31 without E1.33 and possible confusion of buyers, but implicit in that argument is that E1.31 will be published faster if it is not tied to E1.33.

BSR E1.34, Entertainment Technology-Measuring and Specifying the Slipperiness of Floors Used in Live Performance Venues (FLWG)

The document was offered for public review through 26 May 2008. I had expected lots of comments from slip-and-fall experts, but we received none. I was the lone commenter, and I commented on my error in the document, which was discussed at the last TSC meeting. The Floors Working Group now has a revised document to consider for another public review.

BSR E1.37, Additional Message Sets for ANSI E1.20, Remote Device Management (CPWG)

Work continues, but the same group that is working on this is working on BSR E1.31, so there is competition for resources.

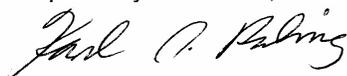
OTHER THINGS OF NOTE

The Chinese version of ANSI E1.11 has been published and they have paid us the agreed upon fee for the use of our material.

The second edition of Adam Bennette's *Recommended Practice for DMX512: A guide for users and installers* has been published. The document is a PLASA/USITT recommended practice, not an ESTA publication, but it is being sold by The ESTA Foundation as well as PLASA and USITT

Actors' Equity cited our ANSI E1.26-2006, floor energy absorption, during its contract negotiations with the League. At the request of Equity's Keith Sklar, I wrote a short paper about the problems the standard was written to address. Sklar said it was helpful.

Respectfully submitted,



Karl G. Ruling
Technical Standards Manager

