

Minutes
Technical Standards Committee
Wednesday, 18 March 2009
Hilton Cincinnati Netherland Plaza
Cincinnati, OH

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

Recording secretary: Karl G. Ruling; ESTA

Members attending:

William Conner; Bill Conner Associates LLC, representing the American Society of Theatre Consultants; P
Eugene Leitermann; Theatre Projects Consultants, Inc., representing the American Society of Theatre Consultants; A
James Niesel; Arup; P
Larry Schoeneman; Designlab Chicago, Inc.; P
Steve Terry; Electronic Theatre Controls, Inc.; P
Edwin S. Kramer; I.A.T.S.E. Local 1; P
Ken Vannice; Leviton Manufacturing Co., Inc.; P
Mike Wood; Mike Wood Consulting LLC; Mike Wood Consulting LLC; P
David Johnson ; Live Design; Penton Media; O
Matthew Griffiths; PLASA; PLASA; P
Ron Bonner; PLASA; PLASA; A
Mitch Hefter; Entertainment Technology (Royal Philips Electronics); P
Bill Sapsis; Sapsis Rigging, Inc.; P
Bill Groener; Tim Hunter Design, LLC; P
Jerry Gorrell; Theatre Safety Programs, representing USITT; P
Louis Bradfield; USITT; A
Lori Rubinstein; ESTA; ex officio

Visitors:

Alan M. Rowe; IATSE Local 728
Roger L. Lattin; IATSE Local 728
Kent Jorgensen; IATSE Local 80
Steve Nelson; 3dx FlameCoat
Wendy Holt; AMPTP
Michael Lay; Strand Lighting

1 Opening remarks

The meeting was called to order at 13:05 by Mike Garl

2 Attendance and membership

Mike Garl announced that a quorum was present. Business could be conducted.

2.1 Taking attendance

An attendance sign-in sheet was circulated.

2.2 Welcome to visitors

Mike Garl welcomed the visitors.

2.3 Introductions

No introductions were offered. Everyone present, including the visitors, were known to the rest of the assembly.

2.4 Consensus body

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

Name	Company or representation	Voting status
William Conner	Bill Conner Associates LLC, representing ASTC	P
Eugene Leitermann	Theatre Projects Consultants, Inc., representing ASTC	A
James Niesel	Arup	P
Larry Schoeneman	Designlab Chicago, Inc.	P
Steve Terry	Electronic Theatre Controls, Inc.	P
Edwin S. Kramer	I.A.T.S.E. Local 1	P
Mike Garl	James Thomas Engineering, Inc.	P
Ken Vannice	Leviton Manufacturing Co., Inc.	P
Mike Wood	Mike Wood Consulting LLC	P
Matthew Griffiths	PLASA	P
Ron Bonner	PLASA	A
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, representing USITT	P
Louis Bradfield	representing USITT	A
Florian von Hofen	VPLT	P
	Total votes possible	15

3 Approval of minutes from the previous meeting (13:05)

Bill Sapsis moved that the draft minutes of the previous meeting be approved as written. The motion was seconded, and then approved with a show of hands

4 Call for patents

Mike Garl read the following statement aloud to the assembly:

"ESTA intends not to publish any standard that contains protected intellectual property, unless that information can be licensed by anyone for a reasonable fee. ESTA uses a process of open patent and copyright disclosures to implement its intent. ESTA does not conduct patent or copyright searches and does not warrant that its standards contain no protected intellectual property.

"In keeping with the open disclosures policy, I ask if anyone present wishes to notify 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

Mike Garl read the following statement aloud to the assembly:

"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."

Karl Ruling, the Technical Standards Manager, held up a copy of the easy-to-read pamphlet. No restraint of trade issues were reported to the assembly.

6 Approval of agenda

Mike Garl added the Keith Woods appeal process to new business.

Larry Schoeneman moved that the draft agenda with this addition be accepted. The motion was seconded, and then approved with a show of hands.

7 Reminder about ESTA contact information on the website

Gene Leitermann gave Lori Rubinstein some updated information, for which she thanked him.

8 Old business and standing reports

8.1 Financial reports

8.1.1 Treasurer's report

Mike Wood explained that the report is to the end of February. It shows that we have already overspent the TSP legal budget, which was done because of the advice on the Wiki use.

8.1.2 Status of contributions and pledges

Lori Rubenstein reported that the contributions so far have been better than expected. Only one long-standing contributor has pulled out, the others have paid.

8.1.3 Accounting of TSP documents sold

Mike Garl suggested that it would be good if people used our standards in classes and bought copies for that purpose.

8.1.4 TSP Marketing

Lori Rubinstein had no report. She has been entirely focused on dues renewal, she said.

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 PrjctsSmmry2009-03.pdf.

Jerry Gorrell said that the office of the state fire marshal in California set up a flame retardance advisory committee, which is less than a week old. He will look into it. Otherwise the report on the flame retardancy working group report is accurate, as far as it goes, said Gorrell.

8.2.1.2 Documents or projects requiring action by the TSC

8.2.1.2.1 BSR E1.30-3, EPI 25, Time Reference in ACN Systems Using SNTP and NTP

Steve Terry moved that BSR E1.30-3 be accepted as an American National Standard. The motion was seconded and then approved on a roll call ballot, with 13 out of 15 voting Yes.

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				
James Niesel	Arup	Arup	P	X			
Larry Schoeneman	Designlab Chicago, Inc.	Designlab Chicago, Inc.	P	X			
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	P	X			
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	X			
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P	X			
Ken Vannice	Colortran	Leviton Manufacturing Co., Inc.	P	X			
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	P	X			
Matthew Griffiths	PLASA	PLASA	P	X			
Ron Bonner	PLASA	PLASA	A				
Mitch Hefter	Entertainment Technology	Royal Philips Electronics	P	X			
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	X			
Bill Groener	Tim Hunter Design, LLC	Tim Hunter Design, LLC	P	X			
Richard Cadena	Projection, Light & Staging News	Timeless Communications Corp.	P				
Jerry Gorrell	Theatre Safety Programs	USITT	P	X			
Louis Bradfield	Louis Bradfield	USITT	A				
Florian von Hofen	VPLT	VPLT	P				
Total				13	0	0	0

8.2.1.2.2 BSR E1.30-4, EPI 26, Device Description Language (DDL) Extensions for DMX512 and E1.31 Devices

Steve Terry moved that E1.30-4 be offered for public review. The motion was seconded and then approved on a roll call ballot, with 13 out of 15 voting Yes.

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				
James Niesel	Arup	Arup	P	X			
Larry Schoeneman	Designlab Chicago, Inc.	Designlab Chicago, Inc.	P	X			
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	P	X			
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	X			
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P	X			
Ken Vannice	Colortran	Leviton Manufacturing Co., Inc.	P	X			
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	P	X			
Matthew Griffiths	PLASA	PLASA	P	X			
Ron Bonner	PLASA	PLASA	A				
Mitch Hefter	Entertainment Technology	Royal Philips Electronics	P	X			
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	X			
Bill Groener	Tim Hunter Design, LLC	Tim Hunter Design, LLC	P	X			
Richard Cadena	Projection, Light & Staging News	Timeless Communications Corp.	P				
Jerry Gorrell	Theatre Safety Programs	USITT	P	X			
Louis Bradfield	Louis Bradfield	USITT	A				
Florian von Hofen	VPLT	VPLT	P				
Total				13	0	0	0

8.2.1.2.3 BSR E1.30-7, EPI 29, Allocation of Internet Protocol Version 4 Addresses to ACN Hosts

Steve Terry moved that BSR E1.30-7 be accepted as an American National Standard. The motion was seconded and then approved on a roll call ballot, with 13 out of 15 voting Yes.

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				
James Niesel	Arup	Arup	P	X			
Larry Schoeneman	Designlab Chicago, Inc.	Designlab Chicago, Inc.	P	X			
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	P	X			
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	X			
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P	X			
Ken Vannice	Colortran	Leviton Manufacturing Co., Inc.	P	X			
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	P	X			
Matthew Griffiths	PLASA	PLASA	P	X			
Ron Bonner	PLASA	PLASA	A				
Mitch Hefter	Entertainment Technology	Royal Philips Electronics	P	X			
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	X			
Bill Groener	Tim Hunter Design, LLC	Tim Hunter Design, LLC	P	X			
Richard Cadena	Projection, Light & Staging News	Timeless Communications Corp.	P				
Jerry Gorrell	Theatre Safety Programs	USITT	P	X			
Louis Bradfield	Louis Bradfield	USITT	A				
Florian von Hofen	VPLT	VPLT	P				
			Total	13	0	0	0

8.2.1.2.4 BSR E1.27-2, Entertainment Technology - Recommended Practice for Permanently Installed Control Cables for Use with ANSI E1.11 (DMX512-A) and USITT DMX512/1990 Products

Mitch Hefter moved that BSR E1.27-2 be accepted as an American National Standard. The motion was seconded and then approved on a roll call ballot, with 13 out of 15 voting Yes.

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				
James Niesel	Arup	Arup	P	X			
Larry Schoeneman	Designlab Chicago, Inc.	Designlab Chicago, Inc.	P	X			
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	P	X			
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	X			
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P	X			
Ken Vannice	Colortran	Leviton Manufacturing Co., Inc.	P	X			
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	P	X			
Matthew Griffiths	PLASA	PLASA	P	X			
Ron Bonner	PLASA	PLASA	A				
Mitch Hefter	Entertainment Technology	Royal Philips Electronics	P	X			
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	X			
Bill Groener	Tim Hunter Design, LLC	Tim Hunter Design, LLC	P	X			
Richard Cadena	Projection, Light & Staging News	Timeless Communications Corp.	P				
Jerry Gorrell	Theatre Safety Programs	USITT	P	X			
Louis Bradfield	Louis Bradfield	USITT	A				
Florian von Hofen	VPLT	VPLT	P				
			Total	13	0	0	0

There was a discussion of adding an informative note stating that ANSI E1.11 – 2004 and 2008 are identical in regard to the clauses referenced by BSR E1.27-2.

8.2.1.2.5 BSR E1.28, Guidance on planning followspot positions in places of public assembly

Eddie Kramer moved that BSR E1.28be offered for public review. The motion was seconded and then approved on a roll call ballot, with 12 out of 15 voting Yes and one voting No with reasons.

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				
James Niesel	Arup	Arup	P	X			
Larry Schoeneman	Designlab Chicago, Inc.	Designlab Chicago, Inc.	P	X			
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	P	X			
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	X			
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P	X			
Ken Vannice	Colortran	Leviton Manufacturing Co., Inc.	P	X			
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	P	X			
Matthew Griffiths	PLASA	PLASA	P	X			
Ron Bonner	PLASA	PLASA	A				
Mitch Hefter	Entertainment Technology	Royal Philips Electronics	P	X			
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	X			
Bill Groener	Tim Hunter Design, LLC	Tim Hunter Design, LLC	P	X			
Richard Cadena	Projection, Light & Staging News	Timeless Communications Corp.	P				
Jerry Gorrell	Theatre Safety Programs	USITT	P	X			
Louis Bradfield	Louis Bradfield	USITT	A				
Florian von Hofen	VPLT	VPLT	P				
			Total	12	0	1	0

Bill Conner offered as his reasons for the No vote that two or three weeks the ASTC had met and the membership was much opposed to the E1.28 project. ASTC will oppose this at every step of the way, and will probably exercise the appeals procedure at every opportunity. Eddie Kramer spoke in favor of the project and the need for it.

Steve Terry noted that the public review comments do not show a uniformity of opinion in the theatre consultant community. A few theatre consultants are opposed to it, but a few have also offered constructive comments.

Bill Groener acknowledged that the standard has caused a lot of angst, but that the working group has responded to those comments and modified the draft document to address the concerns. It is appropriate to offer it for public review again. He said that he does not see a reason to stop the project without another public review.

Eddie Kramer read from the document, noting that it says it is not intended "to replace competent professional advice."

8.2.1.2.6 BSR E1.6-2, Entertainment Technology - Purpose Designed Serially Manufactured Electric Chain Hoists for the Entertainment Industry

Bill Sapsis moved that BSR E1.6-2 be offered for public review. The motion was seconded and approved on a roll call ballot, with 12 out of 15 voting Yes and one voting Abstain.

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				
James Niesel	Arup	Arup	P	X			
Larry Schoeneman	Designlab Chicago, Inc.	Designlab Chicago, Inc.	P	X			
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	P	X			
Edwin S. Kramer	I.A.T.S.E. Local 1	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.	James Thomas Engineering, Inc.	P	X			
Ken Vannice	Colortran	Leviton Manufacturing Co., Inc.	P	X			
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	P	X			
Matthew Griffiths	PLASA	PLASA	P	X			
Ron Bonner	PLASA	PLASA	A				
Mitch Hefter	Entertainment Technology	Royal Philips Electronics	P	X			
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	X			
Bill Groener	Tim Hunter Design, LLC	Tim Hunter Design, LLC	P	X			
Richard Cadena	Projection, Light & Staging News	Timeless Communications Corp.	P				
Jerry Gorrell	Theatre Safety Programs	USITT	P	X			
Louis Bradfield	Louis Bradfield	USITT	A				
Florian von Hofen	VPLT	VPLT	P				
Total				12	0	0	1

8.2.2 Optional reports by working and task group leaders on active projects (14:30)

8.2.2.1 Camera Cranes

Kent Jorgensen said that the working group will have a meeting soon.

8.2.2.2 Control Protocols

No additional report.

8.2.2.3 Electrical Power

Mitch Hefter reported that there had been extended discussions about the luminaire maintenance standard project. Steve Terry said that the working group directing the task group, as is being done in the EPWG, is exactly the way our program is supposed to work. It is really great to see it happen.

Hefter reported that the stage pin connector standard needs to be reworked for UL to adopt it, so we will start revising it. Steve Terry noted that the UL engineer responsible for connector standards is now on the working group as an observer member.

8.2.2.4 Flame Resistance Task Group

No additional report.

8.2.2.4 Floors

No additional report.

8.2.2.5 Fog and Smoke

No additional report.

8.2.2.6 Followspot Position

No additional report.

8.2.2.7 Photometrics

Jerry Gorrell said that the working group will meet at LDI just to keep it alive. There are potential projects, but nothing active now.

8.2.2.8 Rigging

There is an E.6-1 interim document to discuss, reported Bill Sapsis

8.2.3 Review of action items from last meeting not covered above

8.2.3.1 Posting our published standards on the web for principal voting member access

We haven't done it, yet, said Mike Wood.

8.2.3.2 Sending searchable version of E1.17 to those who bought the unsearchable version

Not done yet, reported Karl Ruling.

8.2.3.3 P&P revision task group report.

Steve Terry reported that the task group is waiting for Karl Ruling to make the next draft.

8.2.3.4 Others

8.3 Reports of affiliated organizations

8.3.1 ASTC

Bill Conner reported that they met, changed the Board of directors, and talked a lot about the followspot position document. Robin Crews is no longer working as a theatre consultant.

8.3.2 PLASA

Matthew Griffiths reported that he had no significant PLASA news.

8.3.3 USITT

Jerry Gorrell reported that USITT is waiting with bated breath for the completion of the manual rigging standard.

USITT has hired a group of consultants to evaluate the Institute and its structure, and they have recommended major changes. Mitch Hefter said the consultants had recommended a leaner board and the hiring of an executive director.

8.3.4 VPLT

No report.

9 New business

9.1 Possible limitation on task group meeting support

Ruling explained the issue, which is that we have some task groups that are requesting several days of meeting time for the task group on a TSP meeting weekend/week. This is becoming a large uncontrolled expense.

Bill Sapsis said that having long meetings that are clustered is not an effective way of working.

Steve Terry talked about the ACN group as a good model. It would be good to put a box around the resources that task groups can take.

Bill Conner moved that the TSP shall not provide meeting rooms for task groups. The motion failed for lack of a second.

Bill Groener argued that we should manage the process, and not set arbitrary limits on the time and resources that will be provided.

Steve Terry suggested that the RWG has a task group management problem, and the TSC should offer help.

Steve Terry moved that task group meeting space requests shall go through the working group chair for approval. The TSC shall direct working group chairs to minimize task group meeting support. The motion was seconded and then approved with a unanimous show of hands.

Steve Terry asked that the TSC see the E1.6-1 interim task group report.

There was discussion of the working group moving E1.6-1 to public review at the RWG meeting. There was general support for the idea.

9.2 Keith Woods appeal

Mike Garl stated that he is asking Mike Wood, Bill Groener, Eddie Raymond to serve on the appeals panel.

Larry Schoeneman moved that the TSC endorse Mike Garl's plan to appoint the above subject to their agreement and Keith Woods's acceptance. The motion was seconded and then approved with a show of hands.

9.3 Splitting the RWG

The idea of splitting Rigging Working Group into two groups was discussed. Would it actually result in more focused consensus body? The drift of the discussion was that dividing the group into arena and theatre rigging would not work because both types of rigging being used in the same venues on shows. Perhaps the rigging topic could be divided differently? The working group has too many projects, and not all of them are of interest to the majority of the members of the working group, so they do not properly vet the work of the task groups.

Steve Terry suggested the TSC set up a task group to work on recommendations for the management of the RWG. Mike Garl agreed to take this on and to have a task group in place by July. He'll seek help from Wally Blount and an ESTA Board member. Bill Sapsis will be involved too.

Bill Sapsis thanked the TSC for its help and interest. Terry thanked Sapsis for being open to suggestions.

10 Other business

Larry Schoeneman reported that Harting is very interested in becoming involved in the TSP. Ruling pointed out that they have submitted working group applications for the Control Protocols and Rigging working groups.

11 Schedule for future meetings

It was announced that the next TSC meeting will be Sunday, 19 July 2009, from 09:00 to 13:00, at the Dallas Marriott Solana in Westlake, TX.

12 Adjournment

Bill Sapsis moved that the meeting adjourn. The motion was seconded. Garl asked if there were any objections. Hearing none, Mike Garl declared the meeting adjourned at 15:49.

TSC Membership and Contact Information as of 13 May 2009

Name	Company	Parent company or representation (Primary sort field)	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
James Niesel	Arup	Arup	P
Larry Schoeneman	Designlab Chicago, Inc.	Designlab Chicago, Inc.	P
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	P
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P
Ken Vannice	Leviton Manufacturing Co., Inc.	Leviton Manufacturing Co., Inc.	P
Mike Wood	Mike Wood Consulting LLC	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	Rosco Laboratories	O
Mitch Hefter	Entertainment Technology	Royal Philips Electronics	P
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P
Bill Groener	Tim Hunter Design, LLC	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	O

**TSM's Report on TSP Projects
For the 18 March 2009 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)

This one is getting close to renewal/revision/withdrawal time. See the "Active Projects." It's not really there yet, but it should be and may be by the end of the March Rigging Working Group meeting.

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

ANSI E1.11-2008, DMX512-A revision (CPWG)

It's published.

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. 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.

ACTIVE PROJECTS

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

Fire Resistance Task Group

The task group members have been meeting regularly to refine the problem and to break it down into specific issues. It all seems to be going well, and they are settling on a particular standard or group of standard to try to fix first rather than trying to fix them all. They seem to have settled on ironing out problems with NFPA 701 and 705.

BSR E1.4, manual rigging systems (RWG)

The document has been forwarded to the ESTA Board for approval as an ANS. The matter is to be voted on at the Board meeting.

BSR E1.5, glycol and glycerin fog exposure standard (FSWG)

As this is being written, the working group is voting by letter ballot to approve the comment resolutions drafted at the last Fog & Smoke meeting and to accept the revised BSR E1.5 as an American National Standard. Everybody has voted except two, and all the votes have been Yes. One of the two who haven't voted is chronically late or MIA, so I suspect that he won't vote. The two non-voters also haven't yet voted on BSR E1.23 and BSR E1.29, which time out at the same time. All these ballots time out at the end of the day on March 18. They have been reminded and warned. If they don't vote, they will become observers.

I need to send the resolutions to the one commenter when they are approved. I am expecting no push-back from the commenter.

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 has been working on the resolutions since then, over two years. We do have a draft standard and some other documents describing their work to discuss at this next RWG meeting. There is work being done, although much more slowly than I would like, and with far larger task group meetings (scores of people) than anyone involved with scheduling TSP meeting rooms would like.

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

See [E1_6-2_2005-2040r5.pdf](#) and [RIGmin10-2008.pdf](#). Vote for public review.

The document was offered for public review through 26 May 2008. One person responded and offered two comments. We also received some unofficial comments. The working group drafted resolutions, I sent them back to the commenters, including the unofficial one, and received no response. The working group voted by letter ballot to accept the revised draft standard as an American National Standard, but the motion received one No vote with reasons. The ballot recirculation timed out at the RWG meeting January 24, with enough people changing their votes to No to kill the motion. The working group then modified the document and voted to offer it for public review. That motion is before you, the TSC.

The deal-breaker was a clause that required a chain hoist to alert the operator if it is overloaded. One of the unofficial comments had asked what this alerting device was, and the simple response back to the commenter had been that the alerting device was something that alerted the operator—exactly what it says it is. The No vote on the acceptance ballot touched on this issue again. It was from a manufacturer who realized that no chain hoist now made and used in this industry had such an alerting device. There was extensive discussion at the RWG meeting as to whether they all should. It was decided that they shouldn't have this as a standard feature, that requirements for overload alerting should be covered in other E1.6-x standards, but that hoists should have overload protection devices—something they all have now. However, changing the overload alerting device to an overload protection device was a substantive change, and thus another public review is needed. Some other word-smithing was done at the RWG meeting, but the overload alerting device change was the big, substantive issue.

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

The working group is voting by letter ballot to offer the first draft for public review. RWG members had been encouraged to vote "Yes with comments" if they see anything they would like changed, but so far all the votes cast (enough to carry the motion) have been simple Yes votes. The letter ballot closes at the end of the day on March 18.

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 as a split-off from the BSR E1.6-3 project. The task group is still working on a first draft. We had a discussion of writing suggested control and power connectors into the draft standard. There was no consensus on whether particular connectors should be mandated or suggested.

BSR E1.6-5, Control of Winches in the Entertainment Industry—or something like this (RWG)

The proposal for this new project never materialized, and the person saying it was needed has now changed his mind. This project is only mentioned here because it was on the last project summary. It's dead.

ANSI E1.8 - 2005, speaker enclosures for overhead suspension

There has been some talk in the Rigging Working Group about some speaker manufacturers wishing to join to work on a revision of ANSI E1.8-2005, speaker enclosures for rigging standard. It is getting close to renewal, revision, or withdrawal time, and the original proponent for the project is no longer in the industry. No one active in the RWG now seems to feel he has a material interest in speaker enclosure structural integrity.

BSR E1.12, camera crane standard (CCWG)

This project is moving slowly. The working group met in January and December.

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

The existing document was written to address the use of vertical pipes screwed into a boom base. A stage hand was disappointed to discover that it didn't cover trusses used with outriggers as vertical booms and has proposed we revise it. The proposal was rejected at the last RWG meeting.

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 March 2008 working group meeting. At that 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 had been waiting to get the reference documents for the ballot from Antonuk. The task group is significantly delayed on this, so at the January 2009 CPWG meeting Dan Antonuk withdrew the motion he made in March 2008.

BSR E1.18-1, Recommended practice for selection, installation, and use of portable feeder cable (EPWG)

The E1.18 project is split into two parts. This part, a radically trimmed version of the original BSR E1.18, was in public review through February 23. Only a few people commented, but one offered many, many pages of comments. I have not made a comment summary document, but I have put all the comments unprocessed into a ZIP file and distributed it to the working group.

BSR E1.18-2, name to be decided

This part seemed to be aimed at addressing ring distribution systems, but there has been no progress on it. At the October EPWG, Roger Lattin was appointed to start work on a draft standard for closed loop systems, an E1.18-2, and to identify others to work with him. His deliverables for the January 2009 meeting were to be a scope statement, and a section stating why and where closed loops are advantageous, and a section stating why and where closed loop systems are not. He is also to develop a timeline for the completion of the rest of the document. He did deliver some text, but it wasn't what the working group asked for. The deliverables were rescheduled to the EPWG's March meeting, but I have received nothing to distribute. This project may be put on a back burner with the gas turned off.

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

The EPWG and TSC have approved BSR E1.19 as an ANS. The motion has been forwarded to the ESTA Board, which approved it. I have not forwarded the document to ANSI because the one No-voter in the working group has decided to exercise his right of appeal to the point of having a hearing. The TSC needs to put together an appeals panel to hear his appeal.

This appeal is enlightening. First, it suggests that the section of our P&P describing appeals needs to be clarified. It's hard to figure out exactly what to do. Second, the appeals procedure needs to be constructed so that it is unlikely to be used by anyone except a person who clearly has been wronged in a decision or a procedure or who has found an egregious error or omission in a proposed standard. Right now, the cost of an appeal is nothing, and the appeal procedure can easily be used by anyone who simply feels that he is right and others are wrong. ANSI requires a \$500 filing fee when an appeal is filed. It has been suggested that this might be a good thing to require. If we have to hire a hotel room to hold a face-to-face appeal, the room itself will cost about that much, never mind the appeal panel's time and travel.

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

The list of errata and the proposed changes were offered for public review through November 24. We received comments from three people. Two of them were clearly suggesting changes to other parts of the document. That is, their comments were not relevant to the changes proposed in the revision. The working group can respond to those comments by simply accepting them for a future revision of the document and can move forward with the proposed changes. The third commenter simply offered comments, which are mostly questions suggesting some unhappiness, but not suggesting specific changes. Thus, we don't have a "Yes with comments" on file from him, and the CPWG has to figure out from what he wrote whether his comments have any bearing on the proposed revisions.

I thought that the outcome of this review would simply be the acceptance of the errata and the revision of the standard to correct the mistakes, with the suggestions for further revisions and features being held for another revision, but the task group has taken on making revisions to other parts of the document that were not offered for public review, thus necessitating a second review. Were the additional changes suggested that important that they need to be part of this revision, and thus delay the correction of the originally identified errors? I don't know, and so far there hasn't been any debate in the CPWG so that I can understand the issues.

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

The document has been forwarded to the ESTA Board for approval as an ANS. The matter is to be voted on at the Board meeting.

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BSR E1.23, general fog effect planning standard (FSWG)

As this is being written, the working group is voting by letter ballot to approve the comment resolutions drafted at the last Fog & Smoke meeting and to offer the revised version for another public review. The comments received suggested that there were some odd requirements that needed to be changed, so the document was revised. Everybody has voted except two, and all the votes have been Yes. One of the two who haven't voted is chronically late and neglectful; he probably won't vote. These people also haven't yet voted on BSR E1.5 and BSR E1.29, which time out at the same time. All these ballots time out at the end of the day on March 18. They have been reminded and warned. If they don't vote, they will become observers.

I need to send the resolutions to the one commenter when they are approved. I am expecting no push-back from the commenter.

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

The document was in public review through November 24, and one person responded "Yes." The CPWG has voted to accept the recommended practice with a clean 20 Yes out of 25 and five ballots not returned. It is now up to the TSC to consider the motion to adopt the document as an ANS.

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

The working group has drafted a set of comment resolutions and a created a revised draft standard. It has voted to offer the revised draft for a second public review. The motion is now before the TSC to consider.

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

As this is being written, the working group is voting by letter ballot to approve the comment resolutions drafted at the last Fog & Smoke meeting and to accept the revised BSR E1.29 as an American National Standard. Everybody has voted except two, and all the votes have been Yes. The two non-voters also haven't yet voted on BSR E1.5 and BSR E1.23, which time out at the same time. All these ballots time out at the end of the day on March 18. They have been reminded and warned. If they don't vote, they will become observers.

I need to send the resolutions to the one commenter when they are approved. I am expecting no push-back from the commenter.

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

BSR E1.30-1, EPI 23 Device Identification Subdevice

It received a comment during its public first review. The CPWG has a revised version to consider. It needs to adopt a formal comment resolution. I think the resolution will be "accept."

BSR E1.30-2, EPI 24 Internet Protocol Properties Subdevice

It received one comment in the first public review. The comment needs to be resolved.

BSR E1.30-3, EPI 25, Time Reference in ACN Systems Using SNTP and NTP

See [E1-30-3_2008-1006R1.pdf](#) and [CPmin01-2009.pdf](#). Possible ANS approval vote. The CPWG had voted by letter ballot that closed at the last working group meeting to accept this document as an ANS.

BSR E1.30-4, EPI 26, Device Description Language (DDL) Extensions for DMX512 and E1.31 Devices

See [ACNepi26-ddl-for-dmxR4.pdf](#) and [CPmin01-2009.pdf](#). Vote for public review. The Control Protocols Working Group discovered that the wrong document had been offered for public review--that is, an earlier draft that the task group had not intended to put forward, so the motion to accept it as an ANS failed. This is the correct draft, modified to address some of the language and style issues that working group members had with the other draft.

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BSR E1.30-5, EPI 27 Operation of SDT on Wireless Networks

It received one comment in the first public review. The comment needs to be resolved.

BSR E1.30-6, EPI 28 Independent Device Location Properties

It received one comment in the first public review. The comment needs to be resolved.

BSR E1.30-7, BSR E1.30-7, EPI 29, Allocation of Internet Protocol Version 4 Addresses to ACN Hosts

See [E1-30-7_2008-1010R2.pdf](#) and [CPmin01-2009.pdf](#). Possible ANS approval vote. The CPWG had voted by letter ballot that closed at the last working group meeting to accept this document as an ANS.

BSR E1.30-8, EPI 30 Time Code Properties

It received one comment in the first public review. The comment needs to be resolved.

BSR E1.30-9, EPI 31 MIDI System Exclusive Properties

It received one comment in the first public review. The comment needs to be resolved.

BSR E1.30-10, EPI 32 Identification of Draft Device Description Language Modules

The document has been forwarded to the ESTA Board for approval as an ANS. The matter is to be voted on at the Board meeting.

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

The document has been forwarded to the ESTA Board for approval as an ANS. The matter is to be voted on at the Board meeting.

BSR E1.32, luminaire maintenance guidance (EPWG)

The EPWG has a set of comment resolutions and a revised draft standard to consider. The document was offered for public review through 25 August 2008. Only a few people commented, but they really didn't like the document, since it would require a more frequent inspection schedule than is customarily used in the US, which often is NO inspection schedule. It's the absurd argument that safety inspections shouldn't be in an ANSI standard because if we don't do safety inspections and someone is hurt as a result, the existence of the ANSI standard will be used against us in court. Doing the inspections so no one gets hurt would seem to be the better solution.

BSR E1.33, RDM over ACN (CPWG)

Little progress has been made with this. Most of the effort is going into BSR E1.31.

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

I submitted it to ANSI. It was approved by ANSI on 2 February 2009. Publishing it is now on my agenda. The job is about half a day's work.

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

In the Rigging Working Group, Keith Bohn has suggested that a standard is needed for temporary structures other than roofs, such as delay towers. He offered to write a draft scope and to fill out the standards proposal form so the project can be considered more thoroughly at the March working group meeting. I haven't received the form or the draft scope, so I haven't distributed them.

UL staff have been working to get our ANSI E1.24 referenced by UL 498--which we would really like to have happen!--but some of the UL technical committee have opposed this, finding deficiencies in ANSI E1.24. We may need to revise ANSI E1.24 to address their objections and to make referencing one of our

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standards more palatable to them. Steve Terry has joined the UL 498 panel, and the UL engineer for the standard, Chuck Kurten, has applied to be an observer member of the EPWG.

Respectfully submitted,



Karl G. Ruling
Technical Standards Manager