

Minutes
Technical Standards Committee
Sunday, 19 July 2009
Marriott Solana
Westlake, TX

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

Recording secretary: Karl G. Ruling; ESTA

Members attending:

James Niesel; Arup; P
William Conner; Bill Conner Associates LLC, representing ASTC; P
Eugene Leitermann; Theatre Projects Consultants, Inc., representing ASTC; A
Larry Schoeneman; Designlab Chicago, Inc.; P
Steve Terry; Electronic Theatre Controls, Inc.; P
Mitch Heffer; Entertainment Technology (Royal Philips Electronics); P
Lori Rubinstein; ESTA; ex officio
Edwin S. Kramer; I.A.T.S.E. Local 1; P
Mike Wood; Mike Wood Consulting LLC; P
Richard Cadena; Projection, Light & Staging News (Timeless Communications Corp.); P
Bill Sapsis; Sapsis Rigging, Inc.; P
Bill Groener; Tim Hunter Design, LLC; P
Jerry Gorrell; Theatre Safety Programs, representing USITT; P
Louis Bradfield; representing USITT; A

Visitors: Michael Lay; Philips Strand Lighting
Roger L. Lattin; IATSE Local 728

1 Opening remarks

Mike Garl called the meeting to order at 09:00. He thanked people for taking time out of their busy schedules to work in the Technical Standards Program.

2 Attendance and membership

2.1 Taking attendance

A hot pink attendance sign-in sheet was circulated. Mike Garl announced that a quorum was present.

2.2 Welcome to visitors

Mike Garl welcomed the two visitors

2.3 Introductions

John Johnston ("JJ") of PERA was introduced to the assembly by Mike Garl. After that, self-introductions proceeded clockwise around the table.

2.4 Consensus body

The full consensus body, including those not present, during 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

Name	Company or representation	Voting status
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

(See TSCmin03-2009.pdf.)

Steve Terry moved that the draft minutes be accepted as written. 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."

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

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."

The Technical Standards Manager held up one of the easy-to-read pamphlets to show their availability.

No restraint of trade issues were reported.

6 Approval of agenda

Bill Sapsis asked for a discussion about meeting scheduling to be added. He then moved that the draft agenda so amended be accepted. The motion was seconded and then approved with a voice vote.

7 Reminder about ESTA contact information on the website

Lori Rubinstein reminded people to check their contact information on the ESTA website and to alert ESTA staff if changes need to be made.

8 Old business and standing reports

8.1 Financial reports

8.1.1 Treasurer's report

Mike Wood explained "TSP Budget and Actual" (TSP_Budget_Info_07-2009.pdf), which compares our budgeted funds and actual expenditures so far this year. He noted that what we used to call "donations" are now listed as "sponsorships," since our new accountant has pointed out that a 501(c)6, such as ESTA, is not a charity, so gifts it receives are not donations but are sponsorships.

Wood noted that the projected income from sales should be higher on the report because we recently have published additional standards. He also reported that the 2007 and 2008 VAT refunds have come through, and we should see the money soon. Then we will ask the companies if they wish to contribute the money to the technical standards program.

8.1.2 Status of contributions and pledges

Lori Rubinstein directed people to look at TSP_Contributions_07-09.pdf to see an accounting of the contributions and pledges to date.

8.1.3 Accounting of TSP documents sold [Lori Rubinstein]

Lori Rubinstein directed people to look at TSP_Publication_Sales.pdf for an accounting of the sales. The ANSI numbers are for sales only through March; we don't have data from ANSI on the second quarter sales.

8.1.4 TSP Marketing

Lori Rubinstein reported no news on the marketing project.

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 PrjctsSmmry2009-07.pdf)

Bill Conner noted that ANSI E1.22 is published and should be so listed. Ruling agreed that this was an error in the report and he'll fix it.

8.2.1.2 Working group documents or projects requiring action by the TSC

Possibly a motion for a second public review of BSR E1.20, a revision of the RDM standard. (See E1-20_29June2009marked.pdf, E1-20RevwResols.pdf, and RDM_Errata29June2009.pdf.)

Mitch Hefter moved that the revised version of E1.20 be offered for public review. The motion was seconded and then approved with a roll call ballot.

Name	Company	Parent company or representation	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				
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	P	X			
Matthew Griffiths	PLASA	PLASA	P				
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	X			
Jerry Gorrell	Theatre Safety Programs	USITT	P	X			
Louis Bradfield	Louis Bradfield	USITT	A				
		Total	14	11	0	0	1

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

8.2.2.1 Camera Cranes

No additional report.

8.2.2.2 Control Protocols

Mike Lay reported that ACN errata documents have been prepared and will be forwarded to the working group soon. He also reported that the RDM plugfest has been very successful, and that there is a proposal to work on a standard for control console lighting connectors. He is organizing an effort to rewrite the Ethernet recommended practice in 2010.

Mike Lay said that the CPWG would like to ask the TSC to offer the EPIs for free download. They are very small documents and they are useless without E1.17, which would continue to be sold. No formal motion was offered and no vote taken, but the consensus among the TSC was that this would be okay.

Bill Conner asked about the discussion at the CPWG meeting of marketing the ACN and RDM protocols to the theatre consultant community. Mike Lay explained the project and said that the ad hoc committee was planning to talk to Conner about how to approach the ASTC. Conner said that a pitch for ACN and RDM needs to be made to the consultant community and also to theatrical dealers. Some of the latter seem to feel that nothing beyond DMX512 is needed for lighting control.

8.2.2.3 Electrical Power

Mitch Hefter reported that the working group has the goal of having draft comment resolutions for BSR E1.18, portable feeder cable selection and use, on the table for the LDI meeting. He also reported that E1.19 is published after Keith Woods withdrew his objections, but that Woods was not at the Friday working group meeting to make a motion to modify the standard to address his concerns.

Steve Terry explained that he has met with the UL engineer for STP 498 and found what needs to be done with ANSI E1.24 to make it something that the STP is likely to agree to reference in UL 498. The E1.24 task group intends to have a draft document available for working group review at the LDI meeting.

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

Larry Schoeneman reported that a revised BSR E1.23 will come to the TSC for a public review vote. There was brief discussion of the advisability of the TSC entertaining a motion to approve the public review without having an opportunity to vet the comment resolutions or the revised draft standard. The idea was quickly rejected.

Larry Schoeneman also mentioned Monona Rossol has approached us for a dust effect standard. We're considering it, and Mike Wood has been given the task of doing some research.

8.2.2.6 Followspot Position

Karl Ruling reported that a set of comment resolutions had been drafted by the working group at its Thursday night meeting. Eddie Kramer noted that there were far fewer negative comments from the theatre consultant community during the last public review.

8.2.2.7 Photometrics

Jerry Gorrell said the working group is essentially in a resting mode, but there is some rumbling about standards being needed for the measurement of LED luminaires.

8.2.2.8 Rigging

Bill Sapsis reported that the BSR E1.6-1 task group has revised the document, but did not have it ready for review or discussion by the working group at the meeting Saturday (last night). The task group plans to send it to Karl Ruling for a letter ballot for public review. The working group supported this by voting at the meeting to decide the public review motion by the letter ballot. Sapsis suggested that he thinks that negative votes on the letter ballot will result in the document being discussed at a working group meeting before it is offered for another review.

Sapsis reported that the working group also voted to take on two new projects: one for temporary structures other than outdoor stage roofs, and another for fall protection on temporary structures.

Steve Terry said that the TSC should recommend that the Rigging Working Group not undertake the two new projects because the working group has too many projects. There was discussion of whether the TSC would approve these projects if operating under the new P&P, which would require TSC approval. The consensus was that it would because of the particular needs, which are driven by current events. That is, these projects address problems that have recently been in the news.

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

Ruling reported that this is in process. He's posting all the new standards there and old ones as he has time and there are requests for them.

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

Ruling reported that the project is not done.

8.2.3.3 P&P revision task group report

(See p&p-r7-6draft_clear.pdf and P&P7-6_ComparedTo7-1.pdf.)

Steve Terry noted the substantive changes to the P&P:

- Scope changed.

- Added definitions, and a new interest category.

- Editorial committee

- Categorize the types of standards:

 - Normative standard

 - Recommendation

 - Guide

- These could be ANSI standards or not.

- Task group defined to perform a prescribed task.

There was a discussion of Eddie Kramer's comments, which had been distributed in writing before the meeting, along the way. :

- Supermajority is a word, as is simplemajority. Make no change.
- Secretary is a well understood word and should be left.

There were discussions of several other points and the draft P&P was modified. One of the more significant changes was changes in the wording of clause 9, the Anti-trust policy, in which words were added to clarify that discussion of the costs of research, development, procurement, manufacturing, marketing, or price of any particular product, system, or service is prohibited if it is done in a manner that might restrain trade or restrict market competition. The change was made because the costs of compliance with standards is always a consideration. That is, in writing standards we seek to enhance compatibility and safety in a cost-effective manner.

Steve Terry moved that we adopt the P&P r8, subject to David Saltiel's approval of the revised anti-trust statement. The motion was seconded and then approved with a unanimous show of hands, which constituted a supermajority vote.

8.2.3.4 RWG management task group report

Mike Garl reported that Wally Blount had been consulted for advice on managing the Rigging Working Group better, with one of the most obvious problems being that the working group meetings are so large that it is difficult to fit everyone into a room (there never are enough chairs) and have everyone be heard. Blount suggested that the working group be given the task of figuring out how to reduce the size of the group.

The ideas of limiting the speakers to the principal members or allowing a voting entity to send only one representative were discussed.

Bill Sapsis also noted that the RWG now never uses all its allotted meeting time, but it might need more time if the technical deliberations that are now done in the task groups are brought into the working group.

Bill Sapsis also noted that with the meeting scheduling we are helping the task groups do exactly what we don't want them to do, which is work just before the working group meetings so whatever they accomplish can't be distributed to the working a reasonable time before the working group meeting. We often hear verbal reports of what's been done but see no documents. If we flip the schedule so that the working group meeting is always before the task group meetings on a TSP meeting weekend, the working group can give direction to the task groups and then they can go act on the direction. There was a discussion of perhaps having fewer working group meetings and having the task groups alternate with the working group meetings (e.g., task groups at LDI and USITT, working group in January and July), or not having task group meetings at our TSP weekend meetings at all.

GoToMeeting was suggested as a possible cost-effective way to hold on-line meetings.

8.2.3.5 Others

None.

8.3 Reports of affiliated organizations

8.3.1 ASTC

No report.

8.3.2 PLASA

No report

8.3.3 USITT

No report

8.3.4 VPLT

No report.

9 New business

None.

10 Other business

None.

11 Schedule for future meetings

It was announced that the next TSC meeting is scheduled for Wednesday, November 18 at 13:00 at the Rosen Plaza Hotel in Orlando. The following meeting is scheduled for Sunday, January 24 at 09:00, here at the Marriott Solana in Westlake, Texas.

12 Adjournment

Eddie Kramer moved that the meeting adjourn. The motion was seconded. Hearing no objections, Mike Garl declared the meeting adjourned at 12:26.

Technical Standards Committee Membership and Contact Information as of 21 August 2009

Name	Company	Parent company or 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
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	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 19 July 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 E1.4 - 2009, manual rigging systems (RWG)

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

This one is getting close to renewal/revision/withdrawal time. There has been talk in the RWG about speaker manufacturers stepping forth to work on it, but so far that talk has only been rumors.

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

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

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 E1.19 - 2009, recommended practice for use of Class A GFCIs (EPWG)

It's published and I would like to announce that, so I am listing it here, but we are starting on a revision almost immediately to address Keith Woods's concerns.

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

ANSI E1.22 - 2009, fire safety curtain systems (RWG)

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 E1.30-10 - 2009, EPI 32 Identification of Draft Device Description Language Modules (CPWG)

ANSI E1.34 - 2009, Entertainment Technology-Measuring and Specifying the Slipperiness of Floors Used in Live Performance Venues (FLWG)

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 meriting possible 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. There is some talk about writing a guide book similar to the *Introduction to Modern Atmospheric Effects*.

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

The document is on the ESTA Board's agenda for approval as an ANS.

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, and does not have a version ready for this meeting. It will be at least November 2009 before the working group has something to consider for a vote.

The E1.6 projects are moving very slowly, and one could argue that they have been eclipsed by CWA 25. Almost every North American hoist manufacturer has to deal with CWA 25 or one of the European standards on which it is based. This makes me wonder why we are continuing to work on our own different set of standards, particularly since I have not heard anyone say that CWA 25 is inadequate. The only criticism I have heard that sticks in my head is that it is "too European," but perhaps there have been other criticisms and I simply don't remember.

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

The document was offered for its fifth public review from 10 April through the end of the day 25 May 2008 and gathered over 80 comments. A lot of them are unhelpful questions that suggest the commenter simply found the document wrong-headed.

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

The working group has voted by letter ballot to offer the first draft for public review, with most voting in favor, but there were negative votes, and they will be discussed at the next RWG meeting. The first review letter ballot was offered with the explicit idea that people should use the letter ballot process as a way to offer documented criticism of the draft standard. That is, the motion was expected to fail. However, most people in the RWG seem to feel that it would be better to put it out to public review warts and all and see what the public makes of it.

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.

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

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.

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, Recommended practice for selection, installation, and use of portable feeder cable (EPWG)

The E1.18 project is split into two parts: an E1.18-1 covering conventional star-topology distribution systems and an E1.18-2 part covering ring systems. The second has been put on hold indefinitely. This part was in public review from 9 January through 23 February 2009. Only a few people commented, but one offered many, many pages of comments in a format that can only be exported to Word with many days of manual work, which Jerry Gorrell is doing. He is not finished yet.

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

Keith Woods withdrew his appeal after it was pointed out that the changes he wanted could be made after the document was published as part of an immediate revision project. ANSI staff advised that if he changed his final vote to Yes, and I reported that, that the Board of Standards Review would approve the standard very quickly. He did, I made the change to the final vote count, and the BSR approved the document as an ANS the same day.

Now we need to revise the document to address his concerns. It's on the EPWG agenda, but Keith Woods is not planning to attend the meeting, so the EPWG will be in the dark as to what would satisfy him. To try to expedite things, I modified some of the text of E1.19 and sent it to him. He said he'd look at it over the July 4-5 weekend and would get back to me on Monday, July 6. If he does, I'll be able to put something on the table for the EPWG that will satisfy Keith Woods. The EPWG can then accept it, reject it, or decide to create a different solution.

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 a public review that ended on 24 November 2008. We received comments from three people, and Scott Blair and his task group have drafted a set of resolutions, a new errata document, and a revised draft standard. It is on the CPWG's agenda, and I am offering the documents as part of the TSC's packet. If the CPWG decides to accept the resolutions and to offer the revised draft standard for public review, the TSC can consider the motion at its meeting, too. See [E1-20_29June2009marked.pdf](#), [E1-20RevwResols.pdf](#), and [RDM_Errata29June2009.pdf](#).

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

The revised standard was offered for review from 8 May through 22 June 2009. We received a few comments. One will require a change. We cite the wrong clause of an OSHA standard.

BSR E1.24, pin connector intermatability standard (EPWG)

Work has started to correct an error in the published ANSI E1.24 – 2006 and to make it more palatable to the UL 498 standards panel. Most of the informative, non-mandatory material will go into a second document that will be published as an informative supplement and that won't be submitted to ANSI. The mandatory part of the document will be reformatted to look like a NEMA connector configuration standard and will be submitted to ANSI for acceptance as an ANS.

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

The document is on the ESTA Board's agenda for approval as an ANS.

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

The document was offered for public review from 10 April through 25 May 2008, and received 35 comments. The working group is small enough to function as an effective task group, and is working on resolutions. The comments are reasonable; none have the "How dare you!" tenor of the first review comments.

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

The document is on the ESTA Board's agenda for approval as an ANS.

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, which ran from 11 July through 25 August 2008. 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, which ran from 11 July through 25 August 2008. The comment needs to be resolved.

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

The document is on the ESTA Board's agenda for approval as an ANS.

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

Public review 10 April through the end of the day UTC 25 May 2008. Only a few comments, which have been forwarded to the CPWG in time for their meeting on July 18.

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

It received one comment in the first public review, which ran from 11 July through 25 August 2008. 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, which ran from 11 July through 25 August 2008. 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

The document is on the ESTA Board's agenda for approval as an ANS.

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

It received one comment in the first public review, which ran from 11 July through 25 August 2008. 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, which ran from 11 July through 25 August 2008. The comment needs to be resolved.

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

The document was approved by ANSI's Board of Standards Review on May 4. I received the Word file, which I need to be able to publish a document, from the task group on June 11, the day before I left on vacation. As this is being written I have not gotten it published yet, but I intend to do so before the July TSP meetings.

BSR E1.32, luminaire maintenance guidance (EPWG)

The document was offered for public review which ended on 25 August 2008. The EPWG had a set of comment resolutions and a revised draft standard to consider at the March 2009 meeting, but the discussion at the meeting was mostly about what the draft standard should cover, a topic over which there was some disagreement. A revised scope statement was drafted and voted on by letter ballot after the meeting, and it was accepted by a majority of the working group's voters. Work on revising the document will continue with this new scope.

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 E1.37, 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. That said, as this is being written, I am expecting a first draft of a set of dimmer-specific set of messages to be sent to the CPWG. It won't meet the two-week deadline for the July 18 meeting, but a late submission would represent some progress.

POSSIBLE NEW PROJECTS

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's offered a draft scope and filled out the standards proposal form so the project can be considered at the July 18 RWG meeting. See BohnProposalForm.pdf and BohnScopeDraft.pdf.

Rocky Paulson has offered a proposal for a personal fall arrest system standard. It is not supposed to contradict existing PFAS standards, but to offer guidance for the live entertainment industry. See PFAS_FrstDrft.pdf and PFAS_ProposalForm.pdf.

A discussion of a possible dust atmospheric effect standard project is on the Fog & Smoke Working Group's agenda. It's there essentially to take the temperature of the group on this topic and is not a formal proposal at this time. It was suggested by Monona Rossol who, working on behalf of a union represented dancers (AGMA is my guess), is running into trouble with a major theme park/movie studio that is using dust as an atmospheric effect. First the studio wanted to use dry tempera paint powder containing titanium dioxide, but titanium dioxide recently has been classified as an IARC Group 2B carcinogen when inhaled. She successfully argued against having the dancers inhale dry paint powder. Now the studio is using a product that is marketed as theatrical "dust" but the MSDS lists the ingredients as proprietary trade secrets, so she can't figure out what sort of risk it might pose to her clients if they have to breathe it. She thinks a standard that outlines what would be considered due diligence in protecting performers when devising a dust atmospheric effect would help her in her work. She's concerned about inhalation, but organic dust also carries a risk of a dust explosion if there is a source of ignition. In the Fog and Smoke Working Group, we fairly regularly hear about and discuss the folly of people using dust as an alternative to theatrical fog. We'll see where this goes, if anywhere.

Respectfully submitted,



Karl G. Ruling
Technical Standards Manager