

Minutes
Technical Standards Council
Wednesday, 09 March 2011
The Westin Charlotte

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

Recording secretary: Karl G. Ruling; PLASA

Members attending:

Jules Lauve ; Theatre Projects Consultants, Inc., representing Amer. Society of Theatre Consultants; P
Steve Terry; Electronic Theatre Controls; P
Edwin S. Kramer; I.A.T.S.E. Local 1; P
Eddie Raymond; IATSE Local 16; P
Ken Vannice; Leviton Manufacturing Co., Inc.; P
Mitch Hefter; Philips Controls (Royal Philips Electronics); P
Bill Sapsis; Sapsis Rigging, Inc.; P
Jerry Gorrell; Theatre Safety Programs, representing USITT; P
Matthew Griffiths; PLASA EU; ex officio
Lori Rubinstein; PLASA NA; ex officio
Richard Cadena; PLASA NA; ex officio

Visitors:

Michael Lay; Philips Color Kinetics
Kimberly Corbett; Schuler Shook
Frank Stewart
Roger Lattin; IATSE Local 728
Alan M. Rowe; IATSE Local 728
Kent Jorgensen; IATSE local 80
Edward Condit

1 Opening remarks

Mike Garl called the meeting to order at 13:08. He thanked all present for taking time out of their busy schedules to participate.

Garl offered a special welcome to Jules Lauve as the new principal member for ASTC. He announced that Bill Conner and Gene Leitermann will continue as alternates.

Jules Lauve said that he is not replacing Bill Conner, because no one can replace Conner's breadth and depth of knowledge of codes and standards.

2 Attendance and membership

2.1 A yellow sign-in sheet was circulated while those present introduced themselves.

2.2 The consensus body during the meeting was:

Name	Company and representation	Voting status
Jules Lauve	Theatre Projects Consultants, Inc., representing the Amer. Society of Theatre Consultants	P
William Conner	Bill Conner Associates LLC, representing the Amer. Society of Theatre Consultants	A
Eugene Leitermann	Theatre Projects Consultants, Inc., representing the Amer. Society of Theatre Consultants	A

Name	Company and representation	Voting status
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
Eddie Raymond	IATSE Local 16	P
Mike Garl	James Thomas Engineering, Inc.	P
Ken Vannice	Leviton Manufacturing Co., Inc.	P
Mike Wood	Mike Wood Consulting LLC	P
Ron Bonner	PLASA EU	P
Mitch Hefter	Philips Controls (Royal Philips Electronics)	P
Bill Sapsis	Sapsis Rigging, Inc.	P
Harry Box	PLASA Production Equipment Rental Group	P
JR Reid	JR Lighting, Inc., representing PLASA Production Equipment Rental Group	A
Richard Cadena	Projection, Light & Staging News (Timeless Communications Corp.)	P
Jerry Gorrell	Theatre Safety Programs, representing USITT	P
Louis Bradfield	representing USITT	A
Total votes possible		15

3 Approval of minutes from the previous meeting

See *TSCmin01-2011.pdf*

Bill Sapsis moved that the 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

Mike Garl read the following statement aloud to the assembly:

"PLASA intends not to publish any standard that contains protected intellectual property, unless that information can be licensed by anyone for a reasonable fee. PLASA uses a process of open patent and copyright disclosures to implement its intent. PLASA 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 Council 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 Council of its existence."

Nothing was reported.

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

Mike Garl read the following statement aloud to the assembly:

"The PLASA Board of Directors and the leadership of this Technical Standards Council 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 PLASA NA regional board chair immediately.

"PLASA 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 up by Karl Ruling, the Technical Standards Manager, to show that the pamphlet was available at the meeting.

No restraint of trade issues were reported.

6 Approval of agenda

Mike Garl added a section on meeting confidentiality under "other business" in a closed session.

Eddie Kramer moved that the modified agenda be accepted. The motion was seconded and then approved with a show of hands.

7 Reminder about PLASA contact information on the website

Lori Rubinstein reminded people to check the website to make sure that their information there is accurate.

8 Old business and standing reports

8.1 Financial reports

8.1.1 Treasurer's report

Mike Wood was not present, so Lori Rubinstein reported. The data is for the first two months of the year, although the insurance amount shown is for the entire year. Our legal expenses are over-budget because of the P&P vetting. We hope that that is done.

8.1.2 Status of contributions and pledges [Lori Rubinstein]

Rubinstein reported that the invoiced sponsorships for the TSP were paid quickly.

Steve Terry commented that the letter for companies suggesting what to do with the money saved with the reduced PLASA dues was compelling. ETC could see that dues funds they had budgeted could be shifted to sponsor the TSP.

8.1.3 Accounting of TSP documents sold

The accounting of TSP documents sold was presented by Rubinstein.

8.1.4 TSP Marketing

No news, reported Rubinstein.

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 PrjctsSmmry2011-03.pdf (appended to these minutes)

8.2.1.2 Working group documents or work requiring action by the TSC

8.2.1.2.1

Approval of the reaffirmation of ANSI E1.15, a standard for boom and base assemblies, if the RWG vote goes that way.

Karl Ruling reported that there was one no vote, which puts the question into a recirculation.

8.2.1.2.2

Consideration of pre-approval of new rigging project for a standard for flying performers. See TSP_ProjReq-LivePerfFlying-20110221.pdf and LivePerfFlyingDraftScope.pdf.

Bill Sapsis moved that the project be approved. The motion was seconded and then approved with a unanimous show of hands.

Sapsis reported that he had a provisional task group put together for the project.

8.2.1.2.3

Approval of public review for reaffirmation of ANSI E1.2.

Eddie Kramer moved that the public review for reaffirmation of E1.2 be approved. The motion was seconded and then approved by a supermajority with a show of hands.

8.2.1.2.4

Approval of the public review of BSR E1.24, a draft revised standard for pin connectors.

Steve Terry moved that the public review be approved. The motion was seconded and then approved with a show of hands, with all present voting Yes.

8.2.1.2.5

Approval of the public review of BSR E1.41 - 201x, Recommendations for Measuring and Reporting Photometric Performance Data for Entertainment Luminaires Utilizing Solid State Light Sources.

Steve Terry moved that the public review be approved. The motion was seconded and then approved with a show of hands, with all present voting Yes. [TSM note: The TSC also approved the public review with a redundant letter ballot, PH/2011-5005, that the TSM issued.]

8.2.1.2.6

Appointment of a new chair or cochair for the Stage Lifts Working Group

Mitch Hefter moved that Tom Neville be appointed as chairman of the Stage Lifts Working Group. The motion was seconded and then approved with a show of hands.

There was a discussion of the \$600 bill incurred by Stage Lifts Working Group. The hotel staff chose to put it in four more lines after Martin Moore, the secretary of the working group, complained that more people needed Internet access than one line would provide. The hotel staff did not seek the approval of any PLASA staff person with authority to approve the additional expense.

Bill Sapsis moved that our response to the hotel's unauthorized bill shall be that we do not wish to pay the bill, since it was not authorized. The motion was seconded and then approved with a show of hands.

8.2.2 Review of action items from last meeting not covered above

None.

8.2.2.1 P&P submittal for reaccreditation

Ruling reported that the revised P&P had been submitted. No problems had been identified, but the approval has been taking longer than expected.

8.2.2.2 Anything else

None..

9 New business (15:40)

None.

10 Optional Reports

10.1 Reports by working and task group leaders on active projects

10.1.1 Camera Cranes

None.

10.1.2 Control Protocols

None.

10.1.3 Electrical Power

Mitch Hefter reported that they plan to have a web meeting in May to deal with E1.18 comment resolution and revised document issues. He also reported that more work was being done on the BSR E1.32 document.

10.1.4 Flame Resistance Task Group

The task group is moribund, as is reported in the TSM's project summary.

Mike Garl asked Jerry Gorrell to push the group to do something. They need to give us a report on what they are going to do by when, and who is going to do it.

10.1.5 Floors

None.

10.1.6 Fog and Smoke

None.

10.1.7 Followspot Position

None.

10.1.8 Photometrics

None.

10.1.9 Rigging

None.

10.1.10 Stage Lifts

None.

10.2 Reports of affiliated organizations

10.2.1 ASTC

Jules Lauve says they meet Saturday, 12 March.

He also reported that ICC A117.1 - 2009, although dated 2009, recently has been published. The Department of Justice has revised Title 2 and Title 3, and those changes go into effect this year. They will affect theatre operations, such as ticketing. On March 15, 2012 new ADA guidelines come into effect.

10.2.2 PLASA EU

No news, said Matthew Griffiths.

10.2.3 USITT

No news.

10.2.4 VPLT

No news.

11 Other business (16:35)

11.1 Protocol article reprint

Mitch Hefter reported that the journal of the International Association of Electrical Inspectors has reprinted the control of emergency lighting article from *Protocol*.

11.2 Executive session on meeting confidentiality

A closed executive session was held to discuss meeting confidentiality. No changes to the program procedures came out of the closed session.

12 Schedule for future meetings

Garl announced that the next meeting is scheduled for Sunday, 24 July 24 2011, from 09:00 to 13:00 at the D/FW Marriott Solana in Westlake, Texas.

13 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 14:29.

Technical Standards Council Membership and Contact Information as of 10 June 2011

Name	Company	Representation	Voting status
Ron Bonner	PLASA Technical Resources Office	PLASA EU	P
Harry Box	PLASA Production Equipment Rental Group	PLASA Production Equipment Rental Group	P
Louis Bradfield	Louis Bradfield	USITT	A
Richard Cadena	PLASA NA		exf
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	A
Mark Engel	Rosco Laboratories		O
Mike Garl	James Thomas Engineering, Inc.		P
Jerry Gorrell	Theatre Safety Programs	USITT	P
Matthew Griffiths	PLASA EU		ex officio
Mitch Hefter	Philips Controls (Royal Philips Electronics)		P
Florian von Hofen	VPLT	VPLT	O
David Johnson	Live Design (Penton Media)		O
Edwin S. Kramer	I.A.T.S.E. Local 1		P
Jules Lauve	Theatre Projects Consultants, Inc.	Amer. Society of Theatre Consultants	P
Eugene Leitermann	Theatre Projects Consultants, Inc.	Amer. Society of Theatre Consultants	A
James Niesel	Arup		P
Eddie Raymond	IATSE Local 16		P
JR Reid	JR Lighting, Inc.	PLASA Production Equipment Rental Group	A
Lori Rubinstein	PLASA NA		ex officio
Marian Sandberg	Live Design (Penton Media)		O
Bill Sapsis	Sapsis Rigging, Inc.		P
Larry Schoeneman	DesignLab Chicago, Inc.		P
Steve Terry	Electronic Theatre Controls		P
Ken Vannice	Leviton Manufacturing Co., Inc.		P
Mike Wood	Mike Wood Consulting LLC		P

**TSM's Report on TSP Projects
For the 9 March 2011 TSC Meeting**

Possible TSC action items are in green.

1 PUBLISHED DOCUMENTS WITH NO ACTION RIGHT NOW

- 1.1 Application Guide for ANSI E1.3 – 2001 Entertainment Technology Lighting Control Systems 0 to 10V Analog Control Specification (CPWG)**
- 1.2 Camera crane operator's handbook (CCWG)**
- 1.3 Introduction to Modern Atmospheric Effects, 4th edition (FSWG)**
- 1.4 ANSI E1.4 – 2009, manual rigging systems (RWG)**
- 1.5 ANSI E1.5 – 2009, Entertainment Technology - Theatrical Fog Made With Aqueous Solutions Of Di- And Trihydric Alcohols (FSWG)**
- 1.6 ANSI E1.9 – 2007, reporting photometric data revision (PHWG)**
- 1.7 ANSI E1.11 – 2008, DMX512-A revision (CPWG)**
- 1.8 ANSI E1.14 – 2001 (R2007), recommendations for inclusions in fog equipment manuals (FSWG)**
- 1.9 ANSI E1.16 – 2002 (R2006), configuration standard for metal halide ballast power cables (EPWG)**
- 1.10 ANSI E1.19 – 2009, recommended practice for use of Class A GFCIs (EPWG)**
- 1.11 ANSI E1.22 – 2009, fire safety curtain systems (RWG)**
- 1.12 ANSI E1.23 – 2010, Entertainment Technology - Design and Execution of Theatrical Fog Effects (FSWG)**
- 1.13 ANSI E1.25 – 2006, flat-wall photometry basic conditions (PHWG)**
- 1.14 ANSI E1.26 – 2006, floor energy absorption (FLWG)**
- 1.15 ANSI E1.27-2 – 2009, Entertainment Technology -- Recommended Practice for Permanently Installed Control Cables for Use with ANSI E1.11 (DMX512-A) and USITT DMX512/1990 Products (CPWG)**
- 1.16 ANSI E1.29 – 2009, Product Safety Standard for Theatrical Fog Generators that Create Aerosols of Water, Aqueous Solutions of Glycol or Glycerin, or Aerosols of Highly Refined Alkane Mineral Oil (FSWG)**
- 1.17 ANSI E1.30-3 – 2009, EPI 25, Time Reference in ACN Systems Using SNTP and NTP (CPWG)**
- 1.18 ANSI E1.30-4 – 2010, EPI 26, (DDL) Extensions for DMX512 and E1.31 Devices (CPWG)**
- 1.19 ANSI E1.30-7 – 2009, EPI 29, Allocation of Internet Protocol Version 4 Addresses to ACN Hosts (CPWG)**

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

1.21 ANSI E1.31 – 2009, Lightweight streaming protocol for transport of DMX512 using ACN (CPWG)

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

1.23 ANSI E1.35 – 2007, lens quality measurements for pattern projecting luminaires intended for entertainment use (PHWG)

1.24 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)

1.25 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)

2 DOCUMENTS APPROVED AND PENDING PUBLICATION

2.1 ANSI E1.17 – 2010

A revision of the existing ANSI E1.17— 2006, Architecture for Control Networks (commonly called "ACN"). It was approved by ANSI's Board of Standards Review on 6 January 2011.

2.2 ANSI E1.20 – 2010

A revision of the existing ANSI E1.20 —2006, Entertainment Technology -- Remote Device Management over USITT DMX512 Networks (commonly called "RDM"). It was approved by ANSI's Board of Standards Review on 4 January 2011.

2.3 ANSI E1.30-1 – 2010

EPI 23, Device Identification Subdevice, a new standard. It was approved by ANSI's Board of Standards Review on 6 January 2011.

3 DOCUMENTS NEEDING BSR9s TO BE FORWARDED TO ANSI FOR APPROVAL

3.1 BSR E1.28, followspot position planning guidance, new standard.

3.2 ANSI E1.8, speaker enclosures, reaffirmation

4 ACTIVE PROJECTS AND PROJECTS UNDER CONSIDERATION

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

4.1 Camera Cranes Working Group

4.1.1 BSR E1.12, camera crane standard

No measurable progress.

4.1.2 Other Camera Cranes Working Group projects

None

4.2 Control Protocols Working Group

4.2.1 ANSI E1.3 – 2001 (R2006), 0-10 V analog control

The standard as it exists was offered for public review for reaffirmation through February 28. No one commented. Unless someone in the working group sees a previously undiscovered problem with it, it is ready to be reaffirmed by the working group

4.2.2 ANSI E1.27-1 – 2006 (R201x), Entertainment Technology-Standard for Portable Control Cables for Use with USITT DMX512/1990 and E1.11 (DMX512-A) Products

The standard as it exists was offered for public review for reaffirmation through February 28. No one commented. Unless someone in the working group sees a previously undiscovered problem with it, it is ready to be reaffirmed by the working group

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

The project was voted to be terminated at the last working group meeting. I need to inform Philip Nye, the one public review commenter, that we have abandoned the project.

This and other abandoned EPIs might be developed and published by ETC or other manufacturers on their own, not as American National Standards.

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

The project has been terminated.

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

The project has been terminated.

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

It received one comment, one from Philip Nye, in the first public review, which ran from 11 July through 25 August 2008. The project was voted to be terminated at the last working group meeting. I need to inform Philip Nye that we have abandoned the project. He already knows if he has read the meeting minutes, but it's good to make sure there is a record of him having been informed, and telling him that he can appeal this, if he chooses.

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

It received one comment, one from Philip Nye, in the first public review, which ran from 11 July through 25 August 2008. The project was voted to be terminated at the last working group meeting. I need to inform Philip Nye that we have abandoned the project and that he has the right of appeal.

4.2.8 BSR E1.30-11, EPI 33, MetaData Device Identification Subdevice

The project was voted to be terminated at the last working group meeting. I can't find any evidence that we ever had a draft document that was offered for public review.

4.2.9 BSR E1.33-200x, Extensions to E1.31 for Transport of ANSI E1.20 (RDM)

Work continues on a first draft.

4.2.10 BSR E1.37-1, Additional Message Sets for ANSI E1.20 (RDM) – Part 1, Dimmer Message Sets

It was in public review through February 7. It received a few comments. The RDM task group has drafted a set of resolutions that the task group feels make no substantive changes to the standard. If they don't the next steps would be to send the resolutions back to the commenters (and hope they don't object) and vote to accept the standard as an ANS.

4.2.11 Possible New American National Standard Projects

None right now.

4.3 Electrical Power Working Group

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

The E1.18 project was split into two parts: an E1.18-1 covering conventional star-topology distribution systems and an E1.18-2 part covering ring systems—or something else. E1.18-2 has been put on hold indefinitely.

The E1.18-1 part was in public review from 9 January through 23 February 2009. A set of comment resolutions has been approved by the working group. At the January 2011 meeting it was tweaked a bit. For this meeting in Charlotte, the working group has a revised draft implementing the changes to consider approving. If it is approved, the next step would be another public review and sending the resolutions back to the commenters.

4.3.2 BSR E1.24, pin connector intermatibility standard

ANSI E1.24 – 2006 has been revised to make it more palatable to the UL 498 standards panel. It was offered for public review, and several pin connector manufacturers offered comments. A set of resolutions was approved at the October working group meeting. At the January 2011 meeting the document was changed some more. It's now before you for approval of another public review. (See E1-24r4-1_edtd.pdf.)

4.3.3 BSR E1.32, luminaire maintenance guidance

The document was offered for public review through 25 October 2010. The comments were sent to the working group. Jerry Gorrell, the task group leader, proposes to resolve a lot of them by simply removing luminaires with ballasts or electronic power supplies from the draft standard. The problem is that the draft standard has a ground leakage current test that is good for protecting people from small shocks that might cause a startle reaction, but most luminaires with EMC filters on their power inputs would fail the test. More work is needed to decide how excessive ground fault currents will be detected with HMI,LED, and automated luminaires; we can publish something sooner if we set that problem aside for the moment.

4.4 Fire Resistance Task Group

Nothing's happening.

4.5 Floors Working Group

No active projects. The working group will meet in Charlotte to keep the working group alive and to review what they have published and what standards might need to be developed.

4.6 Followspot Position Working Group

No active projects now.

4.7 Fog & Smoke Working Group

4.7.1 BSR E1.40, dust effects

You approved the second public review. I need to launch it.

The resolutions were sent to the two commenters on 16 Feb 2011 with a deadline for them to file objections of 17 March. As of 3 March I've had no response.

4.7.2 Other active projects

None.

4.8 Photometrics Working Group

The Photometrics Working Group circulated within it a draft of BSR E1.41, a standard to describe the output of LED-based luminaires. They are now voting by letter ballot to approve the first public review. The ballot closes on March 8. So far all but one voter have voted. All the votes are Yes, except for one Yes with comments, and the comments point out some "typographical" errors in the text. That will trigger a recirculation of the comments, so the vote won't be over until the end of March.

4.9 Rigging Working Group

4.9.1 ANSI E1.1 – 2006, wire rope ladders

The working group has voted to revise the standard to raise the load limits. A partially revised draft document has been sent to the RWG.

4.9.2 ANSI E1.2 – 2006, aluminum towers and trusses

The working group has voted to offer the document for public review for reaffirmation, but there are some No votes. (See RigBallot2011-2002r1_FinalResults.pdf.) People have found things they want to change to update or improve the standard, which would be a revision project, but the vast majority voted to offer the document for public review for reaffirmation as it is. The public review motion is now before you.

4.9.3 BSR E1.6-1, powered winch hoist systems

It was in public review through 15 February 2010. Fifteen responses were received: 14 from individuals and one from staff at Stagecraft Industries. Three-hundred sixty-six comments were offered. The task group has submitted a set of draft resolutions to the working group.

4.9.4 BSR E1.6-2, powered serially produced chain hoist systems

It was in its seventh public review through 7 February 2011. A few people commented. The comments have been sent to the working group.

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

That was in its first public review as BSR E1.6-3 until May 3. Three people responded during the public review period and offered 57 comments. A set of resolutions was approved at the January 2011 meeting, and the revised draft standard was approved for public review, but the revised draft standard references BSR E1.6-4, which was the next item on that January meeting's agenda and which did not move forward at the meeting. As a result, the working group voted to hold the review of BSR E1.6-3 until E1.6-4 is ready to move forward.

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

The working group voted to offer the standard for public review, and you, the TSC, did too, but the standard had errors in it. At the last working group meeting a fixed document was presented, but it became clear that people could not decide if it had the correct requirements for a class 3 system. Sorting that out was sent back to the task group.

4.9.7 ANSI E1.8 – 2005, loud speaker enclosures

You approved it. I need to file a BSR9 with ANSI and inform those who voted No on the reaffirmation of their right to appeal.

4.9.8 ANSI E1.15 – 2006, boom & base assemblies

The working group drafted a response to the one public review comment. I have sent it back to the commenter and received no reply. The working group is voting by letter ballot to reaffirm the standard. That vote ends on March 5. So far all the votes (46) are simple Yes votes, but six voters have not yet voted.

4.9.9 ANSI E1.21 – 2006, portable roof systems

The RWG has voted to fold the BSR E1.38 - 20xx, Temporary Ground-Supported Structures Used to Support Equipment in the Production of Outdoor Entertainment Events, Excluding Stage Roofs, project into a revision of

E1.21. The two standards really cover the same sorts of structures. E1.21 would need to be revised, reaffirmed, or withdrawn next year anyway, so why not expand it to cover non-roof structures? A draft document has been sent to the working group with the intention that they consider offering it for public review.

4.9.10 BSR E1.39 – 20xx, Entertainment Technology – Selection and Use of Personal Fall Arrest Systems on Portable Structures Used in the Entertainment Industry

This project is intended to establish minimum requirements for the selection and use of personal fall arrest systems on portable structures in the entertainment industry. It also establishes minimum requirements for manufacturers and owners of these structures being used as work platforms. Rocky Paulson is the main-man behind the project. The working group has seen several working drafts. It is getting close to being ready to considered for public review.

4.10 Stage Lifts Working Group

The Stage Lifts Working Group has had three successful meetings by Webex. Martin Moore is serving as the secretary. Kurt Pragman is serving as the Webex meeting facilitator. Documents are being stored on Google Docs. The last meeting focused on further refining the scope of the project and finding the best way to write this standard: start from scratch, propose changes to an existing standard, or cite an existing standard but stipulate additions and exceptions.

5 Other working group meeting documents

All the March 2011 working group meeting documents except Stage Lifts are available at

<http://tsp.plasa.org/tsp/meetingfiles/cpwg/listfiles.php>

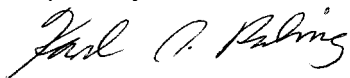
<http://tsp.plasa.org/tsp/meetingfiles/epwg/listfiles.php>

<http://tsp.plasa.org/tsp/meetingfiles/floors/listfiles.php>

<http://tsp.plasa.org/tsp/meetingfiles/rwg/listfiles.php>

<http://tsp.plasa.org/tsp/meetingfiles/tsc/listfiles.php>

Respectfully submitted,



Karl G. Ruling
Technical Standards Manager