

**Minutes**  
**Technical Standards Council**  
Wednesday 26 October 2011  
Orlando Hilton

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

**Recording secretary:** Karl G. Ruling; PLASA

**Members attending:**

William Conner; Bill Conner Associates LLC; representing the Amer. Society of Theatre Consultants; A  
Jules Lauve ; Theatre Projects Consultants, Inc.; representing the Amer. Society of Theatre Consultants; P  
James Niesel; Arup; P  
Larry Schoeneman; DesignLab Chicago, Inc.; P  
Steve Terry; Electronic Theatre Controls, Inc.; P  
Eddie Raymond; IATSE Local 16; P  
Ken Vannice; Leviton Manufacturing Co., Inc.; P  
Mike Wood; Mike Wood Consulting LLC; P  
Ron Bonner; PLASA EU; P  
Mitch Hefter; Royal Philips Electronics; P  
Bill Sapsis; Sapsis Rigging, Inc.; P

**Visitors:**

Kent Jorgensen; IATSE Local 80  
Michael Lay; Philips Color Kinetics  
Roger Lattin; IATSE Local 728  
Martin Moore  
Alan M. Rowe; IATSE 728  
David Saltiel; K&L Gates LLP

**PLASA staff attending:**

Matthew Griffiths; PLASA EU  
Lori Rubinstein; PLASA NA  
Richard Cadena; PLASA NA

**1 Opening remarks**

Mike Garl called the meeting to order at 13:02. He asked people to silence their cell phones, pagers, and other noisy devices.

**2 Attendance and membership**

**2.1 Taking attendance**

A hot pink and orange sign-in sheet was circulated.

**2.2 Welcome to visitors**

**2.3 Introductions**

Mitch Hefter offered Louis Bradfield's regrets for not attending. He has an injury that prevents his travel.

There were no introductions. Everyone present knew everyone present.

**2.4 Consensus body**

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

Name	Company and representation	Voting status
Jules Lauve	Theatre Projects Consultants, Inc., representing ASTC	P
William Conner	Bill Conner Associates LLC, representing ASTC	A
Eugene Leitermann	Theatre Projects Consultants, Inc. representing ASTC	A
James Niesel	Arup	P
Larry Schoeneman	DesignLab Chicago, Inc.	P
Steve Terry	Electronic Theatre Controls	P
Edwin S. Kramer	I.A.T.S.E. Local 1	P
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 Technical Resources Office, representing PLASA EU	P
Harry Box	PLASA Production Equipment Rental Group	P
JR Reid	JR Lighting, Inc., representing the PLASA Production Equipment Rental Group	A
Mitch Hefter	Philips Controls	P
Bill Sapsis	Sapsis Rigging, Inc.	P
Jerry Gorrell	Theatre Safety Programs, representing USITT	P
Louis Bradfield	representing USITT	A
	<b>Total</b>	<b>14</b>

### 3 Approval of minutes from the previous meeting

See *TSCmin07-2011.pdf*.

Bill Sapsis moved that the draft minutes be approved as written. The motion was seconded and then passed on 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 disclosed.

### 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 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."

Karl Ruling, the Technical Standards Manager, held up some of the easy-to-read pamphlets to show their availability.

No restraint of trade issues were disclosed.

## **6 Approval of agenda**

Larry Schoeneman moved that the agenda be approved. The motion was seconded. The motion was approved with a show of hands.

## **7 Reminder about PLASA contact information on the website**

No news.

## **8 Old business and standing reports**

### **8.1 Financial reports**

#### **8.1.1 Treasurer's report**

Mike Wood said there was nothing unusual in the report. The ANSI bill has been received, which gives us that amount. It changes from year to year, so what it will be is always a question.

#### **8.1.2 Status of contributions and pledges**

Lori Rubinstein said she had no update because little has changed. We did receive the USITT contribution, which had been mentioned at the last meeting, and the VAT refund. This will be our last VAT refund since in the future North American companies will book their stands at the PLASA trade show directly through PLASA UK.

#### **8.1.3 Accounting of TSP documents sold**

We've had significant sales—"a run"—on ANSI E1.21 and E1.2, reported Lori Rubinstein. The ANSI sales numbers are only through June 30. They are always slow in reporting.

### **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 PrjctsSmmry2011-10.pdf*

No questions were asked.

##### **8.2.1.2 Working group documents or work requiring action by the TSC**

###### **8.2.1.2.1 CPWG**

No action needed.

###### **8.2.1.2.2 EPWG**

###### **8.2.2.2.1 E1.24 stage pin connectors**

*The working group has voted to accept the revised standard, with a letter ballot concurrent with the public review. If there are no public review comments, the working group vote to accept will stand with no further action by the working group being necessary. The motion is then on your agenda. See E1-24r5.pdf. No public review comments were received by the close of the review on 17 October 2011.*

Steve Terry moved that BSR E1.24 be accepted. The motion was seconded and then approved by a unanimous show of hands.

#### **8.2.2.2.2 Lithium battery guidance**

*We have a proposal from Alan Rowe to publish a guidance document on lithium batteries. The EPWG has not met yet to consider the proposal, but the TSC might want to consider it now. See LithiumBatteryGuidelines.pdf and LithiumBatteryProposal.pdf.*

Steve Terry spoke against the project, stating his opinion that it does not belong in the Technical Standards Program.

Kent Jorgensen spoke in favor of the project. He noted that dozens of sources of information had been consulted to put the draft document together; it constitutes a substantial amount of research.

Alan Rowe presented the problem he has in assuring the safety of people in our industry using lithium batteries. The lack of a standard describing how to use them safely has made it hard to get employers to support the safe practices he is trying to promote with lithium batteries.

There was discussion centered on whether this is an issue we need to take up and concern that we might not have the expertise to address it.

Mike Garl suggested that Rowe (1) see if there is work being done on lithium battery safety in the NFPA, (2) do a Protocol article describing the problem and solution, and (3) issue a call for interest on this project, to see what expertise we can tap.

#### **8.2.1.2.3 PhWg**

No action needed.

#### **8.2.1.2.5 RWG**

No action needed.

### **8.2.2 Review of action items from last meeting not covered above**

None.

## **9 New business**

## **10 Optional Reports**

### **10.1 Reports by working and task group leaders on active projects**

#### **10.1.1 Camera Cranes**

Kent Jorgensen suggested we end the group.

Steve Terry moved that we disband the Camera Cranes Working Group due ot lack of activity. The motion was seconded. The motion was approved by a show of hands, with all voting in favor except for two abstentions.

#### **10.1.2 Control Protocols**

None.

#### **10.1.3 Electrical Power**

None.

#### **10.1.4 Floors**

None.

#### **10.1.5 Fog and Smoke**

None.

### **10.1.6 Followspot Position**

None.

### **10.1.7 Photometrics**

None.

### **10.1.8 Rigging**

Lori Rubinstein spoke about the work the Technical Standards Manager s doing with the International Association of Fairs and Expositions to promote awareness and use of ANSI E1.2 and E1.21. Karl Ruling will be doing a webinar on E1.21 and E1.2 and then will be talking at the IAFE conference at end of November.

Kent Jorgensen warned that the scaffolding industry may try to write competing standards for portable outdoor stages.

### **10.1.9 Stage Lifts**

None.

## **10.2 Reports of affiliated organizations and PLASA EU**

### **10.2.1 ASTC**

Jule Lauve said that the group had an interesting meeting and visited the flooded Hancher Auditorium site in Iowa City. He reported that Jim Niesel gave a "When disaster strikes" presentation to the ASTC attendees, and the group toured other theatres in the area.

### **10.2.2 USITT**

No report.

Roger Lattin offered a tour of "The Copper Underbelly of Hollywood" for those attending next year's USITT Conference in Long Beach.

### **10.2.3 VPLT**

No report.

### **10.2.4 PLASA EU**

Ron Bonner reported problems with the use of lasers and scanning the audiences. There are inconsistencies, with some venues in the UK banning audience scanning, while others allow it. Production companies—particularly touring companies—are unhappy with this, because they can scan here but not there. However, some production companies do indeed scan at too high levels.

There is work being done to bring the affected parties together to address the issue. He has started work to research the issue.

### **10.2.5 CETA**

Mike Wood explained that CETA is part of the Ministry of Culture. He described the range of qualifications and interests in the CETA group visiting the US. They want to see how we do theatre. They have a prescriptive standard for theatres in China; they are interested in seeing different types of successful, working theatres so they can use them as arguments for the possibility of change.

Wood also described the restrictive bidding practices in China. You have to be on the approved vendor list for bidding on certain classes of projects. There is a hierarchy of who can bid on what, depending on qualifications and the ranking of the project.

## **11 Other business**

Bill Conner asked whether the TSC should direct a working group to make a standard be a normative standard, a recommendations, or a guide. His sense was that the TSC should direct the working groups as to what type a standard should be.

Karl Ruling argued against the TSC directing a working group to make particular standards be particular types. If the working group, which is presumably made up of the people with the knowledge and material interests in a standard, does not see the sense of a standard being a particular way, the TSC directing them to write it in a particular way is not likely to help advance the standard, only put another argument in its path.

The consensus of the TSC was to keep the final call on what a standard should be at the working group level. However, the TSC could encourage them to make a standard be a particular type the TSC feels would do the industry the most good.

Bill Conner moved that the TSC direct the RWG to make E1.21 into a normative standard, suitable for adoption by building code officials, or explain to the TSC why this cannot be done. The motion was seconded. There was discussion. The motion was approved with an unanimous show of hands.

## **12 Schedule for future meetings**

Mike Garl announced that the next meeting will be from 09:00 to 13:00, on 31 January 2012, at the Marriott Solana in Westlake, TX. Mitch Hefter noted that January 31 is a Tuesday

Garl announced that the July meeting shall be on July 20 in New York. He also announced that the USITT schedule was still to come, but that the TSC meeting would be at the beginning of the meeting cycle, rather than at the end.

## **13 Adjournment**

Bill Sapsis moved that the meeting adjourn. The motion was seconded and approved by acclamation. Mike Garl declared the meeting adjourned at 14:35.

### Members and Contact Information as of 9 December 2011

Name	Company	Parent company or representation	Voting status
Ron Bonner	PLASA Technical Resources Office	PLASA EU	P
Harry Box	PLASA PERG	PLASA PERG	P
Louis Bradfield	Louis Bradfield	USITT	A
Richard Cadena	PLASA NA	PLASA NA	exf
William Conner	Bill Conner Associates LLC	ASTC	A
Mark Engel	Rosco Laboratories	Rosco Laboratories	O
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P
Jerry Gorrell	Theatre Safety Programs	USITT	P
Matthew Griffiths	PLASA EU	PLASA EU	exf
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	I.A.T.S.E. Local 1	P
Jules Lauve	Theatre Projects Consultants, Inc.	ASTC	P
Eugene Leitermann	Theatre Projects Consultants, Inc.	ASTC	A
James Niesel	Arup	Arup	P
Eddie Raymond	IATSE Local 16	IATSE Local 16	P
JR Reid	JR Lighting, Inc.	PLASA Production Equipment Rental Group	A
Lori Rubinstein	PLASA NA	PLASA NA	exf
Marian Sandberg	Live Design	Penton Media	O
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P
Larry Schoeneman	DesignLab Chicago, Inc.	DesignLab Chicago, Inc.	P
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	P
Ken Vannice	Leviton Manufacturing Co., Inc.	Leviton Manufacturing Co., Inc.	P
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	P

**TSM's Report on TSP Projects  
For the 26 October TSC Meeting**

**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 E1.3 - 2001 (R2011), Entertainment Technology - Lighting Control Systems - 0 to 10V Analog Control Specification (CPWG, recently published)**
- 1.5 ANSI E1.4 – 2009, manual rigging systems (RWG)**
- 1.6 ANSI E1.5 – 2009, Entertainment Technology - Theatrical Fog Made With Aqueous Solutions Of Di- And Trihydric Alcohols (FSWG)**
- 1.7 ANSI E1.9 – 2007, reporting photometric data revision (PHWG)**
- 1.8 ANSI E1.11 – 2008, DMX512-A revision (CPWG)**
- 1.9 ANSI E1.14 – 2001 (R2007), recommendations for inclusions in fog equipment manuals (FSWG)**
- 1.10 ANSI E1.16 – 2002 (R2007), configuration standard for metal halide ballast power cables (EPWG)**
- 1.11 ANSI E1.17 – 2010, Architecture for Control Networks (commonly called "ACN")**
- 1.12 ANSI E1.20 – 2010, Entertainment Technology -- Remote Device Management over USITT DMX512 Networks (commonly called "RDM")**
- 1.13 ANSI E1.19 – 2009, recommended practice for use of Class A GFCIs (EPWG)**
- 1.14 ANSI E1.22 – 2009, fire safety curtain systems (RWG)**
- 1.15 ANSI E1.23 – 2010, Entertainment Technology - Design and Execution of Theatrical Fog Effects (FSWG)**
- 1.16 ANSI E1.27-1 - 2006 (R2011), Entertainment Technology-Standard for Portable Control Cables for Use with USITT DMX512/1990 and E1.11 (DMX512-A) Products (CPWG, recently published)**
- 1.17 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)**
- 1.18 ANSI E1.28 – 2011, Guidance on planning followspot positions in places of public assembly (FPWG, recently published)**
- 1.19 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)**
- 1.20 ANSI E1.30-1 – 2010, EPI 23, Device Identification Subdevice**



- 1.21 ANSI E1.30-3 – 2009, EPI 25, Time Reference in ACN Systems Using SNTP and NTP (CPWG)
- 1.22 ANSI E1.30-4 – 2010, EPI 26, (DDL) Extensions for DMX512 and E1.31 Devices (CPWG)
- 1.23 ANSI E1.30-7 – 2009, EPI 29, Allocation of Internet Protocol Version 4 Addresses to ACN Hosts (CPWG)
- 1.24 ANSI E1.30-10 – 2009, EPI 32 Identification of Draft Device Description Language Modules (CPWG)
- 1.25 ANSI E1.31 – 2009, Lightweight streaming protocol for transport of DMX512 using ACN (CPWG)
- 1.26 ANSI E1.34 – 2009, Entertainment Technology-Measuring and Specifying the Slipperiness of Floors Used in Live Performance Venues (FLWG)
- 1.27 ANSI E1.35 – 2007, lens quality measurements for pattern projecting luminaires intended for entertainment use (PHWG)
- 1.28 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)
- 1.29 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 BY ANSI AND PENDING PUBLICATION

None.

## 3 DOCUMENTS NEEDING BSR9s TO BE FORWARDED TO ANSI FOR APPROVAL

- 3.1 ANSI E1.26 - 2006 reaffirmation
- 3.2 BSR E1.37-1, Additional Message Sets for ANSI E1.20 (RDM) – Part 1, Dimmer Message Sets
- 3.3 BSR E1.40, Recommendations For the Planning of Theatrical Dust Effects

## 4 ACTIVE PROJECTS AND PROJECTS UNDER CONSIDERATION

### 4.1 Camera Cranes Working Group

#### 4.1.1 BSR E1.12, camera crane standard

No progress. There have been no formal working group meetings since 2008.

#### 4.1.2 Other Camera Cranes Working Group projects

None.

### 4.2 Control Protocols Working Group

#### 4.2.1 BSR E1.33-201x, Extensions to E1.31 for Transport of ANSI E1.20 (RDM)

The first public review ended EOD October 17. Seven people commented. The comments have been forwarded to the working group.

#### **4.2.2 Possible Projects**

We have a project proposal from R&D staff from ETRI for "An LED illumination identification control protocol for Entertainment industry." The CPWG is continuing to consider it. ETRI is funded by the South Korean government.

#### **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 maybe something else. E1.18-2 has been put on hold indefinitely. The E1.18-1 part was in public review most recently through 17 October 2011. Nine people commented. The comments have been forwarded to the working group.

##### **4.3.2 BSR E1.24, pin connectors**

There were no comments in the last public review. The working group has voted to accept the last revision as an ANS. The motion is now before the TSC.

##### **4.3.3 BSR E1.32, luminaire maintenance guidance**

The document was in public review most recently through 17 October 2011. One was a Yes, but the other two raise objections we have to resolve. The comments have been forwarded to the working group.

##### **4.3.4 BSR E1.45?, Lithium battery proposal**

We have a proposal for a project to offer guidance on lithium batteries. Do you approve it?

#### **4.4 Floors Working Group**

No active projects. The working group will meet occasionally to maintain the existing standards and to discuss whether any new projects need to be undertaken.

#### **4.5 Followspot Position Working Group**

No active projects. Intends to meet at USITT to maintain the existing standards and to discuss whether anything needs to be done.

#### **4.6 Fog & Smoke Working Group**

No active projects now. Will meet occasionally to maintain the existing standards and to discuss whether anything needs to be done.

#### **4.7 Photometrics Working Group**

##### **4.7.1 ANSI E1.25 - 2006, Entertainment Technology - Recommended Basic Conditions for Measuring the Photometric Output of Stage and Studio Luminaires by Measuring Illumination Levels Produced on a Planar Surface**

It is in public review through October 31. So far we have one response—a negative one from Martin Moore. He recommends revising it to reference IESNA standards and withdrawing it because it is meaningless. If he is the only respondent, it should not take long to resolve the issues raised.

#### **4.7.2 BSR E1.41, Recommendations for Measuring and Reporting Photometric Performance Data for Entertainment Luminaires Utilizing Solid State Light Sources**

BSR E1.41 was offered for public review through October 17. One person commented—Martin Moore—who offered a negative response. Mike Wood has drafted a set of draft resolutions that reject all of Moore's suggested changes.

### **4.8 Rigging Working Group**

#### **4.8.1 BSR E1.1 – 201x, wire rope ladders**

The working group has voted to revise the standard to raise the load limits. It was offered for public review through October 17. No one commented.

#### **4.8.2 ANSI E1.2 – 2006, aluminum towers and trusses**

It was offered for public review for reaffirmation. Objections were received from working group members responding as public commenters. We have a set of draft comment resolutions. I think they will lead us into turning this reaffirmation project into a revision project.

#### **4.8.3 BSR E1.6-1, powered winch hoist systems**

It's in public review through December 19.

#### **4.8.4 BSR E1.6-2, powered serially produced chain hoist systems**

It was in public review through October 17. The working group has an uncollated collection of the comments.

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

It was in public review through October 17. The working group has an uncollated collection of the comments.

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

It was offered for public review from 13 May through 27 June 2011. Gary Mardling of Kish Rigging was the one person to respond, and he responded "No with reasons," while offered seven pages of reasons. Draft resolutions have been sent to the working group. Mardling objected to some of them, but another set of draft resolutions has been sent to the working group, and this set, I believe, resolves all of Mardling's issues. The working group now needs to vote on the proposed resolutions.

#### **4.8.7 BSR E1.8 – 201x, loud speaker enclosures**

The working group has decided to revise it. Richard Nix and Jim Niesel are working on the project. I got involved in the project a little bit by having to buy a UL standard for audio equipment for \$803 to discover that the clause referenced by our standard said that thin pieces of metal that might corrode need to be protected by paint or a galvanized coating. If we decide we still need that metal protection requirement, we'll state it in the standard, rather than reference the UL standard.

#### **4.8.8 ANSI E1.15 – 2006, boom & base assemblies**

I've filed the BSR-9 form for the reaffirmation. Because there is disagreement (Martin Moore voted No on the reaffirmation), the BSR-9 was about twice as thick as usual and will take longer for ANSI to work through.

Standards on which the final vote is all Yes tend to be approved by ANSI in fewer than ten days. Those in which there are any negative votes (a) seem to go on the "round-tuit" pile and (b) get audited in more detail. It usually takes a couple of months.

#### **4.8.9 BSR E1.21 – 2006, portable roof systems**

It was offered for public review through October 11. About ten people commented. Most of the comments are thoughtful and helpful. A few are not. The uncollated comments have been sent to the working group.

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

It was in public review through October 17. Two people commented. The working group has an uncollated collection of the comments.

#### **4.8.11 BSR E1.43, flying performers**

Work has started on the project at the task group level.

#### **4.8.12 BSR E1.44, stage automation common show file data exchange format**

The task group is just getting started on this project.

### **4.9 Stage Lifts Working Group**

The Stage Lifts Working Group has been meeting regularly and expects to have something ready to consider for public review in early December.

## **5 Other working group meeting documents**

All the October 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/photo/listfiles.php>  
<http://tsp.plasa.org/tsp/meetingfiles/rwg/listfiles.php>  
<http://tsp.plasa.org/tsp/meetingfiles/tsc/listfiles.php>

## **6 Other items of note**

### **6.1 Stage Collapses, ICC, and reporters**

This summer's stage collapses have brought our standards to the attention of other standards groups and code officials, as well as journalists.

**6.1.1** Robert Rice, the Building Safety Director for Josephine County in Oregon, contacted me on behalf of the Building Codes Action Committee (BCAC) of the International Code Council. They are looking at standards for "temporary stages," so I sent him copies of ANSI E1.2, ANSI E1.21, and the public review draft of BSR E1.21.

**6.1.2** Anne vonWeller of vonWeller and Associates, LLC is working as a contractor to Witt Associates, which is working for the state of Indiana assessing the Indiana State Fair stage collapse. Her charge is to make recommendations for future code amendments. She has copies of E1.2 and E1.21, and feels that they are useful for addressing the obvious hazard of storms taking down portable stages. She has offered to help us get the documents referenced or used by the ICC. She will, of course, recommend them to the state of Indiana.

**6.1.3** I've talked to thirteen reporters now about our standards for portable structures and given little lectures to them (sometimes appreciated) about what standards are and are not.

### **6.2 The Open Control Architecture Alliance**

The Open Control Architecture Alliance has been in the press with its project to write an "open public standard for professional media network systems." When the project was first announced, I contacted Stephan Lietz of Stephan Lietz Consulting in Bad Salzdetfurth, Germany on June 21 to point out that we may already have written such a standard with our ACN, and I sent him a few of the ACN documents. He wrote back that they were interesting, but that's it.

I think this is a commercial stealth-standard project. The standard is based on an existing Bosch protocol. Initial work on the standard is confined to the nine founding members, all audio equipment manufacturers (including

Bosch Communications Systems). Later they will hand the completed standard "to a public standards organization." Others can join as observers, and 20 companies have, but only the initial nine can be voting members of the OCA Alliance.

I think we have enough to do without pursuing the OCA Alliance further.

Respectfully submitted,

Karl G. Ruling  
Technical Standards Manager

Appendix

Name	Company and representation	Voting status	Address	City	State County	Postal code	Country	Phone	Email
Ron Bonner	PLASA Technical Resources Office, PLASA EU	P	Redoubt House, 1b Edward Rd.	Eastbourne	E. Sussex	BN23 8AS	UK	44 (0) 1323 524129	ron.bonner@plasa.org
Harry Box	PLASA PERG	P	4470 W. Sunset Blvd #280	Los Angeles	CA	90027	USA	1-323-541-3200	harry.box@plasa.org
Louis Bradfield	representing USITT	A	6776 Calella Drive	Las Vegas	NV	89103	USA	1-702-871-4246	lbradfield@earthlink.net
Richard Cadena	PLASA NA	ex officio	10305 Salida Drive	Austin	TX	78749	USA	1-512-280-0384	richard.cadena@plasa.org
William Conner	Bill Conner Associates LLC, representing ASTC	A	637 North Marion Street	Oak Park	IL	60302	USA	1-708-437-0505	bill@bca-world.com
Mark Engel	Rosco Laboratories	O	52 Harbor View Avenue	Stamford	CT	06902	USA	1-203-708-8900	mark@rosco.com
Mike Garl	James Thomas Engineering, Inc.	P	10240 Caneel Drive	Knoxville	TN	37931	USA	1-865-692-3060	mikeg@jthomas-eng.com
Jerry Gorrell	Theatre Safety Programs, representing USITT	P	P. O. Box 17734	Fountain Hills	AZ	85269	USA	1-480-837-9401	jerryg@jgorrell.com
Matthew Griffiths	PLASA EU	ex officio	Redoubt House, 1b Edward Rd.	Eastbourne	E. Sussex	BN23 8AS	UK	44 (0) 1323 524129	matthew@plasa.org
Mitch Hefter	Philips Controls (Royal Philips Electronics)	P	2828 Trade Center Drive, Suite 130B	Carrollton	TX	75007	USA	1-972-389-6167	heftermk@DesignRelief.com
Florian von Hofen	VPLT	O	Walsroder Str. 159	Langenhagen, Hannover		D-30853	Germany	49 511 270 74 74	info@vplt.org
David Johnson	Live Design (Penton Media)	O	249 West 17th Street, 4th Floor	New York	NY	10011	USA	1-212-204-4272	djohnson@live-designonline.com
Edwin S. Kramer	I.A.T.S.E. Local 1	P	413 Grand Street, Apt. F1501	New York	NY	10002	USA	1-212-533-5873	eskramer@ieee.org
Jules Lauve	Theatre Projects Consultants, Inc. representing ASTC	P	25 Elizabeth St	South Norwalk	CT	06854	USA	1-203-299-0830	jlauve@theatre-projects.com

Appendix

Name	Company and representation	Voting status	Address	City	State County	Postal code	Country	Phone	Email
Eugene Leitermann	Theatre Projects Consultants, Inc. representing ASTC	A	25 Elizabeth St	South Norwalk	CT	06854	USA	1-203-299-0830	genel@tpcworld.com
James Niesel	Arup	P	155 Avenue of the Americas	New York	NY	10013	USA	1-212-897-1400	jim.niesel@arup.com
Eddie Raymond	IATSE Local 16	P	240 Second Street	San Francisco	CA	94105	USA	1-415-441-6400	eddie@local16.org
JR Reid	JR Lighting, Inc., representing PLASA PERG	A	9 Brooks Ave.	N. Las Vegas	NV	89030	USA	1-702-649-5555	jreid@jrlighting.com
Lori Rubinstein	PLASA NA	ex officio	630 Ninth Avenue, Suite 609	New York	NY	10036	USA	1-212-24401505	lori.rubinstein@plasa.org
Marian Sandberg	Live Design (Penton Media)	O	249 West 17th Street, 4th Floor	New York	NY	10011	USA	1-212-204-4266	msandberg@livedesignonline.com
Bill Sapsis	Sapsis Rigging, Inc.	P	233 North Lansdowne Ave.	Lansdowne	PA	19050	USA	1-215-228-0888 x206	bill@sapsis-rigging.com
Larry Schoeneman	DesignLab Chicago, Inc.	P	328 N. Albany Avenue	Chicago	IL	60612	USA	1-773-265-1100x250	Larry@dlabchicago.net
Steve Terry	Electronic Theatre Controls, Inc.	P	630 Ninth Ave., Suite 1001	New York	NY	10036	USA	1-212-397-8080	sterry@etcconnect.com
Ken Vannice	Leviton Manufacturing Co., Inc.	P	P.O. Box 2210	Tualatin	OR	97062	USA	1-503-404-5563	KVannice@Leviton.com
Mike Wood	Mike Wood Consulting LLC	P	6401 Clairmont Drive	Austin	TX	78749	USA	1-512-288-4916	mike@mikewoodconsulting.com