

**Minutes**  
**Technical Standards Council**  
Tuesday 31 January 2012

**Chairman:** Mike Garl; Tomcat USA, Inc. (Vitec Group plc); P

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

**Members attending:**

Ron Bonner; PLASA Technical Resources Office, representing PLASA EU; P  
Jerry Gorrell; Theatre Safety Programs, representing USITT; P  
Mitch Hefter; P  
Edwin S. Kramer; I.A.T.S.E. Local 1; P  
Jules Lauve ; Theatre Projects Consultants, Inc., representing ASTC; P  
Eddie Raymond; IATSE Local 16; IATSE Local 16; P  
Alan M. Rowe; IATSE Crafts Advancement Program ; P  
Larry Schoeneman; DesignLab Chicago, Inc.; P  
Mike Wood; Mike Wood Consulting LLC; P

**Ex officio members:**

Lori Rubinstein; PLASA NA  
Richard Cadena; PLASA NA

**Visitors:**

Kimberly Corbett; Schuler Shook  
Roger Lattin; IATSE Local 728  
Michael Lay; Philips Color Kinetics  
Martin Moore

**1 Opening remarks**

Mike Garl called the meeting to order at 9:00. He noted that many are trying to catch flights, so he will try to move the meeting along. He asked people to set their phones to vibrate or off.

**2 Attendance and membership**

**2.1 Consensus body**

16 voting members: 9 for a quorum or a supermajority vote

Name	Company and representation	Voting status
Wendy Holt	Contract Services Administration Trust Fund	P
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

Alan Rowe	IATSE Crafts Advancement Program	P
Mike Garl	Tomcat USA	P
Ken Vannice	Leviton Manufacturing Co., Inc.	P
Mike Wood	Mike Wood Consulting LLC	P
Mitch Hefter	Mitch Hefter	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
Bill Sapsis	Sapsis Rigging, Inc.	P
Jerry Gorrell	Theatre Safety Programs, representing USITT	P
Louis Bradfield	representing USITT	A

## 2.2 Taking attendance

A bright orange sign-in sheet was circulated.

## 2.2 Welcome to new members

Mike Garl welcomed new TSC members Wendy Holt and Allan Rowe.

## 2.3 Welcome to visitors

Visitor were welcomed, too.

## 2.4 Introductions

Those present introduced themselves.

## 3 Approval of minutes from the previous meeting

See *TSCmin10-2011.pdf*.

Alan Rowe noted his attendance and concern for the safety of people, not solely union members. An r1 version of the minutes was created.

Eddie Kramer moved that the r1 version of the minutes be accepted. The motion was seconded and then approved with a show of hands.

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

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."

Mike Wood noted that RAMbus patents had been struck down. This is not immediately applicable to our work, but interesting.

## 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."

The Technical Standards Manager held up some of the pamphlets to show that they were available at the meeting. No restraint of trade issues were reported.

## **6 Approval of agenda**

Eddie Kramer moved that the 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 and let her know of any needed changes.

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

### **8.1 Financial reports**

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

Mike Wood summarized the report. We are about seven and a half thousand over budget, but that's pretty good, he said, given the changes from last year. Insurance has gone up significantly.

Lori Rubinstein reminded the group that we have received the last VAT refund forever, since we are not booking PLASA trade show stands. We need to make up that loss, which will be about \$15,000.

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

Rubinstein asked how we should categorize the Investors in Innovation in the future. It was based on company size by number of employees, but we no longer have employee data because it no longer part of the dues criteria. We need to figure out another way.

We have about \$20,000 already in contributions, but no formal report yet.

Rubinstein said that invoicing for contributions with the membership dues renewal bills dropped a bit because the first renewal went to "Accounts payable," and staff there are not always able to make contributions or may not understand the value of the TSP to their companies.

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

TSP\_PublicationsSalesReport\_01-12.pdf was presented.

## **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 PrjctsSmmry2012-01.pdf*

No questions.

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

### **8.2.1.2.1 CPWG**

Mike Lay reported that the CPWG had agreed to do the VLC project, if it is okay with TSC. Mike Wood moved that the TSC approve the project. The motion was seconded and then approved with a show of hands.

Mike Lay said that the working group had approved E1.37-2 public review. Eddie Kramer moved that the TSC approve the public review. The motion was seconded and then approved with a show of hands.

### **8.2.1.2.2 EPWG**

#### **8.2.1.2.2.1 E1.32 incandescent luminaire inspection**

*The working group has voted to accept the new, proposed standard as an ANS. It is now on the TSC's agenda. See E1-32\_WG\_BallotResults\_EP\_2011-7015.pdf and BSR\_E1-32\_2006-7016r10.pdf*

Mitch Hefter moved that BSR E1.32 be accepted as an ANS. The motion was seconded and then approved with a show of hands.

#### **8.2.1.2.2.2 Portable structure electrical bonding**

*We have a proposal from Clair Global to develop a guidance document on electrical bonding for portable stage structures. If the EPWG has approved it at its meeting, this will be on the TSC's agenda. See TSP\_ProjectRequestClair\_grounding.pdf.*

Mitch Hefter reported that the project had been accepted by the working group, but with a somewhat different scope. The EPWG has approved a project to work on bonding and grounding of portable structures and electrical systems. He moved that the TSC approved this project. The motion was seconded and then approved with a show of hands.

Hefter reported that the working group has started the process of reaffirming ANSI E1.16 and would like to offer the existing standard for public review for reaffirmation.

Mike Wood moved that ANSI E1.16 be offered for public review for reaffirmation. The motion was seconded and then approved with a show of hands. There was no objection to voting on this document, which had not been distributed to the TSC at least two weeks prior to this meeting.

### **8.2.1.2.3 PhWg**

#### **8.2.1.2.3.1 E1.9 reaffirmation**

Jerry Gorrell reported that the working group has started work to reaffirm ANSI E1.9, PLASA's basic stage and studio luminaire photometrics reporting standard. He moved that it be offered for public review for reaffirmation. The motion was seconded and then approved with a show of hands. There was no objection to voting on this document, which had not been distributed to the TSC at least two weeks prior to this meeting.

#### **8.2.1.2.3.2 E1.35 reaffirmation**

Jerry Gorrell reported that the working group has started work to reaffirm ANSI E1.35 - 2007, Lens Quality Measurements for Pattern Projecting Luminaires Intended for Entertainment Use. He moved that it be offered for public review for reaffirmation. The motion was seconded and then approved with a show of hands. There was no objection to voting on this document, which had not been distributed to the TSC at least two weeks prior to this meeting.

#### **8.2.1.2.3.3 E1.36 reaffirmation**

Jerry Gorrell reported that the working group has started work to reaffirm 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. He moved that it be offered for public review for

reaffirmation. The motion was seconded and then approved with a show of hands. There was no objection to voting on this document, which had not been distributed to the TSC at least two weeks prior to this meeting.

#### **8.2.1.2.4 RWG**

##### **8.2.1.2.4.1 BSR E.1.1, wire rope ladder revision**

*The RWG has accepted the revised version as an ANS. See RWG\_E1-1AcceptBallotResults-Rig\_2011-2034.pdf and BSR\_E1-1-201X\_2004-2029r4.pdf. It received no comments in its one and only review.*

Eddie Kramer moved that the revised E1.1 be accepted as an ANS. The motion was seconded, and then approved with a show of hands.

##### **8.2.1.2.4.2 BSR E1.6-3, Selection And Use Of Serially Manufactured Chain Hoists In The Entertainment Industry**

*The RWG has accepted the draft standard as an ANS. See BSRE1-6-3\_2008-2019r5.pdf and RWG\_E1-6-3AcceptBallotResults\_Rig\_2011-2037.pdf.*

Larry Schoeneman moved that BSR E1.6-3 be accepted as an ANS. The motion was seconded, and then approved with a show of hands.

##### **8.2.1.2.4.3 E1.2 truss and tower public review**

Mike Garl said that the working group had approved a set of resolutions that have turned this reaffirmation project into a revision, and that the working group has voted to offer the revised draft standard for public review.

Eddie Kramer moved that the revised draft be offered for public review. The motion was seconded, and then approved with a show of hands. There was no objection to voting on this document, which had not been distributed to the TSC at least two weeks prior to this meeting.

##### **8.2.1.2.4.4 E1.6-2 chain hoist to a public review**

Eddie Kramer moved that it be offered for public review. The motion was seconded. There was discussion. The motion was approved with a show of hands. There was no objection to voting on this document, which had not been distributed to the TSC at least two weeks prior to this meeting.

##### **8.2.1.2.4.5 E1.39 personal fall arrest systems**

Mike Wood moved that it be offered for public review. The motion was seconded and then approved with a show of hands. There was no objection to voting on this document, which had not been distributed to the TSC at least two weeks prior to this meeting.

##### **8.2.1.2.4.6 E1.8 speaker enclosure public review**

Eddie Kramer moved that the revised version be offered for public review. The motion was seconded and then approved with a show of hands. There was no objection to voting on this document, which had not been distributed to the TSC at least two weeks prior to this meeting.

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

### **9 New business**

### **10 Optional Reports**

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

##### **10.1.1 Control Protocols**

Kimberly Corbett reported that we got comments back on E1.33 and the task group is working on it. A second review will be considered in July, we hope.

Corbett also reported on the possibility of doing a connectivity pavilion or training session at CUNY Tech with John Huntington.

#### **10.1.2 Electrical Power**

Mitch Hefter reported that a GFP study group has been set up for higher current devices.

Hefter reported that Steve Terry has sent ANSI E1.24 to the UL 498 panel for adoption by reference in UL 498.

#### **10.1.3 Floors**

Jerry Gorrell reported that the group may take up a project to deal with the problem of people falling through holes in floors and off stage edges. This will be discussed at the USITT meeting.

#### **10.1.4 Fog and Smoke**

Larry Schoeneman reported on the 12-minute working group meeting. We have addressed the critical issues with the technology, so there are no active projects, but we will continue to monitor the situation.

#### **10.1.5 Followspot Position**

Ruling reported that the Followspot Position Working Group's webpage has been updated to list the publication of their American National Standard.

#### **10.1.6 Photometrics**

Jerry Gorrell reported that Karl Ruling had been contacted by Actors Equity about concerns for makeup mirror replacement lamps. There was discussion.

#### **10.1.7 Rigging**

Mike Garl mentioned that Keith Bohn was at TourLink this weekend and will be at Pollstar Live! next week talking to people about contract language that will require a standards-compliant roof structure and a functioning Operations Management Plan.

#### **10.1.8 Stage Lifts**

Martin Moore reported that the working group had hoped to have a document suitable for public review to be considered at this meeting, but they will have it for the next.

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

#### **10.2.1 ASTC**

Jules Lauve reported on the ASTC's recent promotional work.

#### **10.2.2 USITT**

No report.

#### **10.2.3 VPLT**

Ron Bonner reported that there is a new Geschäftsführer at VPLT: Jürgen Kreis

#### **10.2.4 PLASA EU**

Bonner reported that the HSE has pulled together a working group on temporary demountable structures. PLASA is on the group. The Construction Design Management regulations for buildings may be expanded to cover them.

The LASERs meeting was tempestuous, but there is work going forward to make a standardized code of practice for audience scanning. Part of the job is getting the parties to agree on a format for sending advance information to a venue on what is planned to be done.

The UK health and safety laws were reviewed by a Professor Ragnar Löfstedt, a risk management specialist. He found that compliance with the health and safety regulations is difficult for small and medium sized businesses, so he has made recommendations. These are recommendations right now. We need to see what the government does before act.

## **11 Other business**

### **11.1 PERG projects**

Lori Rubinstein said that there is a PERG project on data deletion. Digital cameras come back to rental houses with data in them. What to do? Delete it? Ask before deleting? PERG is meeting with interested stakeholders to develop a best practices document that everyone can follow. . They may also develop a best practices document for data technicians' work flow.

### **11.2 New TSC co-chair**

Mike Garl announced that Mike Wood will serve as co-chair of the TSC.

### **11.3 Hollywood copper tour**

Roger Lattin offered a tour of Hollywood studios' power facilities to all who are interested. However, he would like to know who is interested so he can organize one or two discrete tours.

## **12 Schedule for future meetings**

Garl announced that the next meeting is scheduled for 13:00 to 17:00, 28 March 2012, at the Westin Long Beach in Long Beach, CA. The Summer meeting will be on Friday July 20, at the Manhattan Midtown Hilton, 9:00 to 13:00.

## **13 Adjournment**

Larry Schoeneman moved that the meeting adjourn. The motion was seconded. Hearing no objections, Mike Garl declared the meeting adjourned at 10:33.

**TSC Membership as of 8 March 2012**

<b>Name</b>	<b>Company</b>	<b>Representing</b>	<b>Voting status</b>
Jen Barratt	PLASA Marketing		exf
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
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	A
Mark Engel	Rosco Laboratories		O
Mike Garl	Tomcat USA, Inc.		P
Jerry Gorrell	Theatre Safety Programs	USITT	P
Matthew Griffiths	PLASA EU		exf
Mitch Hefter	Mitch Hefter		P
Florian von Hofen	VPLT		O
Wendy Holt	CSATF	Contract Services Administration Trust Fund	P
David Johnson	Live Design		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
Alan M. Rowe	IATSE Local 728	IATSE Crafts Advancement Program	P
Lori Rubinstein	PLASA NA		exf
Marian Sandberg	Live Design		O
Bill Sapsis	Sapsis Rigging, Inc.		P

<b>Name</b>	<b>Company</b>	<b>Representing</b>	<b>Voting status</b>
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