

**Minutes**  
**Technical Standards Council**  
Wednesday, 15 November 2017  
The Tropicana  
Las Vegas, NV

**Presiding co-chairs:**

Mike Garl; Mike Garl Consulting LLC; P  
Mike Wood; Mike Wood Consulting LLC; P

**Recording secretaries:** Karl Ruling and Erin Grabe; ESTA

**Members in attendance:**

Louis Bradfield; USITT; A  
Jerry Gorrell; Theatre Safety Programs; USITT; P  
Mitch Hefter; P  
Fred Kosiewski; Walt Disney Parks & Creative Entertainment; Walt Disney Company; P  
Edwin S. Kramer; I.A.T.S.E. Local 1; P  
Jules Lauve ; Theatre Projects Consultants, Inc.; ESTA President; P  
David E. Miller; Walt Disney Parks & Creative Entertainment; Walt Disney Company; A  
D. Andrew Gibbs, Ph.D.; D. A. Gibbs and Associates; Amer. Society of Theatre Consultants; P  
Eddie Raymond; IATSE Local 16; O  
Alan M. Rowe; IATSE Local 728; IATSE Crafts Advancement Program ; P  
Lori Rubinstein; ESTA; exf  
Bill Sapsis; Sapsis Rigging, Inc.; P  
Steve Terry; Electronic Theatre Controls, Inc.; P  
Ken Vannice; Ken Vannice LLC; P  
R. Duane Wilson; George C. Izenour Associates; Amer. Society of Theatre Consultants; A

**Visitors:**

Keith Sklar; Actors' Equity  
Michael Lay; Philips Lighting  
Roger Lattin; IATSE Local 728  
William Greeley; InCord  
Richard Nix

**1 Opening remarks**

Mike Garl called the meeting to order at 2:03 p.m. He thanked everyone for attending, acknowledging that meetings around a trade show can stretch people thin. He asked that everyone silence their devices, and then pointed out the fire exits. Mike Garl set a meeting point, in case of an evacuation, and offered "Run, hide, fight" as our preferred defense-method should there ever be an active shooter situation.

**2 Attendance and membership**

**2.1 Taking attendance**

A yellow sheet was passed around while self-introductions took place.

**2.2 Welcome to visitors**

**2.3 Introductions**

**2.4 Call for quorum**

By a count of voters in the room, Mike Garl announced a supermajority present.

## 2.5 Consensus body

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

Name	Representing	Voting status
D. Andrew Gibbs, Ph.D.	Amer. Society of Theatre Consultants	P
R. Duane Wilson	Amer. Society of Theatre Consultants	A
Matthew Antonucci	Contract Services Administration Trust Fund	P
Larry Schoeneman	DesignLab Chicago, Inc.	P
Steve Terry	Electronic Theatre Controls, Inc.	P
Jules Lauve	ESTA President	P
Edwin S. Kramer	I.A.T.S.E. Local 1	P
Alan M. Rowe	IATSE Crafts Advancement Program	P
Ken Vannice	Ken Vannice LLC	P
Mike Garl	Mike Garl Consulting LLC	P
Mike Wood	Mike Wood Consulting LLC	P
Mitch Hefter	Mitch Hefter	P
Bill Sapsis	Sapsis Rigging, Inc.	P
Jerry Gorrell	USITT	P
Louis Bradfield	USITT	A
Fred Kosiewski	Walt Disney Company	P
David E. Miller	Walt Disney Company	A
<b>Total votes possible</b>		<b>14</b>

## 3 Approval of minutes from the previous meeting

See *TSCmin07-2017.pdf*.

Steve Terry moved to approved the minutes of the July meeting as drafted. The motion was seconded and approved by a show of hands with one abstention.

## 4 Reading of the call for patents

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 this council group of the existence of a patent, patent application, copyright, or other intellectual property that might protect material in a standard being developed by any working group. You need not be the holder of the patent or copyright to notify the council of its existence.

No issues regarding patents were brought up.

## 5 Reading of the anti-trust statement

The following statement was read aloud to the assembly by Mike Garl:

ESTA and its members take seriously their obligation to comply with all applicable antitrust laws. Therefore, during this meeting and during all ESTA events, all discussions will be limited to those subjects that are

permitted by the antitrust laws. All members should refrain from any discussion or mention of competitively sensitive subjects such as the current or future prices charged for any member product or services, current or future marketing plans or strategies, and current or future costs, including employee salaries. There also must be no agreement on the suppliers or customers that members will or will not do business with or the markets in which members will conduct business.

Violations of the antitrust laws can have serious consequences. If you have any questions or concerns about anything that is discussed at a ESTA meeting, please bring your concern to ESTA management. An easy to read pamphlet describing the antitrust laws is available from the ESTA staff.

Erin Grabe held up a copy of the anti-trust guide. No concerns were raised.

## **6 Approval of agenda**

Steve Terry moved to approved the agenda as drafted. The motion was seconded. Mike Garl moved the Actors' Equity poster agenda item to the top. The motion to approve the modified agenda was unanimously approved by a show of hands.

## **7 New business**

### **7.1 Actors' Equity backstage poster**

*See Actors' Equity\_ ESTA TSP & ANSI information poster for backstages nationwide \_ FastMail.pdf.*

Karl Ruling spoke about the Actors' Equity poster idea. He would like the group to consider letting he, Lori, Robert, and Keith decide on the content. There was some discussion on funding, but no costs are known, yet.

Steve Terry moved to go forward with this idea. The motion was seconded and unanimously approved by a show of hands.

Jerry Gorrell said that perhaps the poster could be adapted and rebranded with USITT's partnership for distribution to high school and college theatres.

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

### **8.1 Financial reports**

Lori Rubinstein asked if there were any questions on the financial report that was sent out. She noted that we are mostly on target, though, the work is not yet done; more is still needed. There will likely be a few long-term pledges that will not come through, particularly due to mergers and acquisitions. She asked that the members present continue to seek contributions.

Lori then spoke to the relationship with ProSight. Their support is not being included in next year's budget, because communications with them have been difficult and sporadic. We will continue to seek their support for the distribution of our standards, but their contribution is not being included in the projections.

#### **8.1.1 Treasurer's Report and Status of Contributions and Pledges**

#### **8.1.2 TSP Fundraising**

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

*See SalesReportforTSC\_11-2017.pdf.*

Mike Garl noted that nearly \$2M worth of standards, just under 63,000, have been downloaded by nearly 11,000 users.

## **8.2 Old Business**

## **8.2.1 Technical Standards Program project report**

See *TSPPrjctsSmmry2017-11.pdf*.

Mike Garl asked if there were any questions on the project summary that was distributed. There were none.

### **8.2.1.1 Report on status of documents: ones in process, ones stable, ones needing action or of concern**

#### **8.2.1.2 Working group documents for possible action by the TSC**

##### **8.2.1.2.1 Public reviews**

None.

##### **8.2.1.2.2 Reaffirmations**

None.

##### **8.2.1.2.3 Final approval**

None.

##### **8.2.1.2.4 Withdrawal**

None.

##### **8.2.1.2.5 New projects**

*A project proposal dealing with portable platforms is being submitted to the Floors Working Group to consider at their upcoming meeting this Friday. See [Platform\\_ProjectRequest.pdf](#) and an unofficial translation that Karl Ruling did of a DIN standard for portable platforms, [DIN\\_15921\\_translation.pdf](#). If the working group votes to take up the project, the unofficial translation will be used at a spring-board. Barring any objections during the working group meeting or a major shift in scope from what the project request form details, do they have your blessing?*

Karl Ruling explained how the project started. He informed the group that tiered platforms or ones with chairs on them would be subject to NFPA 102 and International Building Codes, but platforms not tiered or that don't have chairs on them are not. This standard would be more or less in-line with the DIN standard for portable platforms, and would cover mass-produced platforms only.

Jerry Gorrell moved to start this project. The motion was seconded. Mitch questioned whether or not there were copyright issues with the DIN standard, but Karl Ruling ensured the group that there would be no copyright infringement in drafting this standard. The motion carried by a show of hands with no opposition or abstentions.

## **9 New business**

[New business was moved to the top of the agenda, see item 7.1.]

## **9 Optional Reports**

### **9.1 Optional reports by working and task group leaders on active projects**

#### **9.1.1 Control Protocols**

Michael Lay said there is not much to report, being that the working group has not met between the last TSC meeting and this one.

#### **9.1.2 Electrical Power**

*BSR E1.51 is being considered by the EPWG at their upcoming meeting. If approved, and depending on ANSI's publication schedule, a new public review may begin on 1 or 8 December and end on 15 or 22 January 2018. Both the EPWG and the TSC will be notified of any action.*

Mitch Hefter said that there are draft resolutions and consensus by the group is being sought.

### **9.1.3 Floors**

Jerry Gorrell said that there is a new project! The one that was just approved under item 7.2.1.2.5.

### **9.1.4 Fog and Smoke**

Nothing to report at this time.

### **9.1.5 Followspot Position**

Duane Wilson said there is nothing to report at this time.

### **9.1.6 Photometrics**

Jerry Gorrell said that there is a revision and a few reaffirmations floating around the group.

### **9.1.7 Rigging**

Bill Sapsis said that there are some reaffirmations and reviews in progress. He brought up the topic of hoist regulations, specifically CFR 1910.179, noting that it is time to bring this discussion to the forefront. It is an issue that people are seeing in the field.

### **9.1.8 Stage Lifts**

Jerry Gorrell said that the group is going to look at some comments on the document as it exists now, but that may lead to an early revision of E1.42. The group is meeting on Saturday.

### **9.1.9 Event Safety**

Erin Grabe noted that many of the task groups are making progress, some are not.

## **9.2 Reports of affiliated organizations**

### **9.2.1 ASTC**

Nothing to report, said Duane Wilson.

### **9.2.2 Event Safety Alliance**

Lori Rubinstein noted that she and Erin Grabe will be attending the next Event Safety Summit, taking place 29-30 Nov & 1 Dec. in Pennsylvania.

### **9.2.3 NFPA**

#### **9.2.3.1 FDW-AAA committee**

Jerry Gorrell said that he and a few other committee members made some suggestions that the larger group accepted, but there are no major changes afoot that will have any effect on our industry.

#### **9.2.3.2 SPE-AAA**

Karl Ruling said that there is a TIA in place that would classify the spark machine demonstrated at the last TSC meeting as a firework, which is a good thing, because at least it is classifiable.

#### **9.2.3.3 SAF-AXM & BLD**

Jerry Gorrell said that the notice for the meeting in the next cycle was just issued. He also noted that there are TIAs being created at breakneck speed, which he thinks is exposing a general issue with their process. There was discussion in favor or and against using TIAs to modify standards.

#### **9.2.3.4 NEC**

Steve Terry said that the committee is in the middle of resolving public input to the 2020 NEC, noting that a couple dozen comments are entertainment-industry specific. He added that restricted voting had ended, so theatre people will be able to vote on health care NEC proposals.

Mitch Hefter noted that discussions regarding PoE may affect us in the near future.

#### **9.2.4 PLASA**

No news at this time.

#### **9.2.5 USITT**

Jerry Gorrell said that the show is coming up in March of next year, and some of the hotels are already fully booked.

He reported on an issue that was reported to USITT about an official who objected to a stage extended into the house with seating removed. There was some discussion on what exactly the AHJ's issues might have been, and the lack of facts or further information lead the discussion no where.

#### **9.2.6 New World Rigging Symposium**

Lori Rubinstein reported that the two-day NWRS will take place in conjunction with USITT, on Tuesday and Wednesday, 13-14 March.

#### **9.2.7 DTHG**

Karl Ruling said there isn't much to report. The relationship exists essentially to transfer information between us.

### **10 Other business**

#### **10.1 International Code Council**

Jerry Gorrell said that the revision is out.

#### **10.2 ICOPER**

Bill Sapsis said that they have a document after 20 months of hard work. Lori Rubinstein pointed out where people can get the document, [esta.org/icoper](http://esta.org/icoper).

#### **10.3 The Our Common Goals Initiative**

No news at this time, reported Erin Grabe.

#### **10.4 NATEAC 2020**

Bill Sapsis reported that he will begin work on the next conference in January 2018.

#### **10.5 Above & Beyond Awards**

Michael Lay noted that the website is open for nominations year-round, [http://tsp.esta.org/tsp/news/award\\_recipients.html](http://tsp.esta.org/tsp/news/award_recipients.html).

#### **10.6 Lifetime Technical Achievement Award**

*Long-time TSP participant, Bob Goddard, was the first to receive this award, in July 2017. Are there any new nominations at this time?*

Mike Garl asked if there were any new nominations. It was noted that this award is not given every year.

#### **10.7 Volunteer of the Year Award**

To a round of applause, Lori Rubinstein said that Michael Lay will receive ESTA's 2017 Volunteer of the Year Award. The award will be given during the Annual General Meeting, tomorrow, 16 November, from 3:30 p.m. to 5:00 p.m. PST.

#### **10.8 Swan Award**

To a round of applause, Lori Rubinstein said that Ken Vannice will receive the Eva Swan Award, ESTA's highest honor. The award will be given during the Annual General Meeting, tomorrow, 16 November, from 3:30 p.m. to 5:00 p.m. PST.

### **10.9 TSP participation fee donor fund**

Mike Garl said there are currently \$475 left in the fund. As of today, no new requests had been received.

### **10.10 LDI**

Nothing of note to report at this time.

### **10.11 NAMM**

Lori Rubinstein said that Bill Sapsis, Eddie Raymond, and Alan Rowe, and were responsible for curating 96 hours of education for ESTA. There are four tracks of educational sessions at The 2018 NAMM Show in Anaheim, CA, January 25-28: Lighting, Lighting Networking, Rigging, and Safety. The USITT Electrical Workshop is also being offered. All sessions are free of charge once you pay the \$25 registration fee for the show, and all sessions offer ETCP renewal credits.

Visit [esta.org/namm](http://esta.org/namm) for the schedule and course descriptions, or to register.

### **10.12 INNOVA**

Lori Rubinstein said that the program has had a slightly slower start than desired. She said that one of the problems is that there is not enough content that qualifies for ETCP renewal credits. She asked for people to use their resources to seek content.

## **11 Schedule for future meetings**

*The current meeting schedule is available at <http://www.esta.org/ESTA/meetings.php>.*

### **11.1 January 2018 ESTA meetings**

Mike Garl announced that the January meetings will take place in conjunction with the NAMM Show at the Anaheim Convention Center. The show dates are 25-28 January 2018. The TSC meeting is scheduled for Monday, 29 January 2018, from 9:00 a.m to 1:00 p.m. at the Anaheim Hilton.

Fred Miller said that he is willing to open the Disney spaces for tours, if there is interest. He also relayed to the Technical Standards Council a real-life example of how the leveraging of our standards and ETCP certifications helped the safety group for Disney Parks and Resorts avoid a potentially expensive policy change. E1.58 was one of the standards cited.

### **11.2 March 2018 ESTA meetings**

Mike Garl announced that the March meetings will take place in conjunction with USITT 2018 in Fort Lauderdale, FL. The show dates are 14-17 March 2018. [The TSC meeting is scheduled for Wednesday, 14 March 2018 from 2-6pm at the Hilton Ft. Lauderdale Marina.]

### **11.3 July 2018 ESTA meetings**

Mike Garl said that the July 2018 meetings are tentatively scheduled to take place as usual, at the D/FW Marriott Solana in Westlake, Tx.

### **11.4 Autumn meetings**

There was discussion on whether or not we need to have meetings in conjunction with the LDI trade show. The general consensus was no, we do not need to have meetings at LDI. There was further discussion as to what the other options are, including a fall meeting elsewhere or moving one whole meeting cycle to WebEx. Michael Lay suggested that co-chairs poll their groups to see how the member-base feels about these ideas.

## **12 Adjournment**

Bill Sapsis moved to adjourn. The motion was seconded. Hearing no objections, Mike Garl declared the meeting adjourned at 3:50 p.m. PST.

Technical Standards Council Members as of 15 November 2017

Name	Company	Representing	Voting status
Matthew Antonucci	Contract Services Administration Trust Fund	Contract Services Administration Trust Fund	P
Harry Box	Production Equipment Rental Group	PERG	O
Louis Bradfield	Louis Bradfield	USITT	A
Mike Garl	Mike Garl Consulting LLC	Mike Garl Consulting LLC	P
Jerry Gorrell	Theatre Safety Programs	USITT	P
Erin Grabe	ESTA	ESTA	exf
Mitch Hefter	Mitch Hefter	Mitch Hefter	P
A. Scott Hoyt	ESTA Treasurer	Heartland Scenic Studio	exf
Fred Kosiewski	Walt Disney Parks & Creative Entertainment	Walt Disney Company	P
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P
Jules Lauve	Theatre Projects Consultants, Inc.	ESTA President	P
David E. Miller	Walt Disney Parks & Creative Entertainment	Walt Disney Company	A
D. Andrew Gibbs, Ph.D.	D. A. Gibbs and Associates	Amer. Society of Theatre Consultants	P
Eddie Raymond	IATSE Local 16	IATSE Local 16	O
Alan M. Rowe	IATSE Local 728	IATSE Crafts Advancement Program	P
Lori Rubinstein	ESTA	ESTA	exf
Karl G. Ruling	ESTA	ESTA	exf
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	Ken Vannice LLC	Ken Vannice LLC	P
R. Duane Wilson	George C. Izenour Associates	Amer. Society of Theatre Consultants	A
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	P

**Key to voting status:** P = Principal voter, A = Alternate voter, O = Observer, exf = Ex officio member