

Minutes
Technical Standards Council
22 July 2018
D/FW Marriott Solana, Westlake, TX

Presiding co-chairs:

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

Recording secretaries:

Karl Ruling, Erin Grabe, and Richard Nix; ESTA

Members in attendance:

The following individuals were present, either in-person or online:

Matthew Antonucci; Contract Services Administration Trust Fund; P
Mike Garl; Mike Garl Consulting LLC; P
Jerry Gorrell; USITT; P
Erin Grabe; ESTA; exf
Mitch Hefter; Mitch Hefter; P
Edwin S. Kramer; I.A.T.S.E. Local 1; P
Jules Lauve ; ESTA President; P
Michael Lay; Signify; P
Richard J. Nix; ESTA; exf
D. Andrew Gibbs, Ph.D.; Amer. Society of Theatre Consultants; A
Alan M. Rowe; IATSE Crafts Advancement Program ; P
Lori Rubinstein; ESTA; exf
Karl G. Ruling; ESTA; exf
Bill Sapsis; Sapsis Rigging, Inc.; P
Larry Schoeneman; DesignLab Chicago, Inc.; P
Keith Sklar; Actors' Equity Association; P
Stephen G. Surratt; Texas Scenic Company; incoming ESTA Treasurer; exf
Steve Terry; Electronic Theatre Controls, Inc.; P
R. Duane Wilson; Amer. Society of Theatre Consultants; A
Mike Wood; Mike Wood Consulting LLC; P

Note: Matt Antonucci was shown in the WebEx session details as being present online for 2 minutes; he was not present for the roll-call vote on action taken for agenda item 7.2.1.2.3.2

Visitors:

Roger Lattin; IATSE Local 728
Justin Bennett; University of the Incarnate Word

1 Opening remarks

Mike Garl called the meeting to order at 9:02 a.m., thanking everyone for their attendance, reminded everyone to silence their phones, and noted the exits in the room.

2 Attendance and membership

2.1 Taking attendance

Karl Ruling passed around the yellow sign-in sheet.

2.2 Welcome to visitors

2.3 Introductions

Everyone in the room and online, introduced themselves to the group.

2.4 Call for quorum

As of today, there are currently 15 votes possible. A quorum is 8; supermajority is 8.

Mike Garl announced that a supermajority was present.

2.5 Consensus body

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

Name	Company or representation	Voting status
Keith Sklar	Actors' Equity	P
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
Mike Garl	Mike Garl Consulting LLC	P
Mike Wood	Mike Wood Consulting LLC	P
Mitch Hefter	Mitch Hefter	P
Michael Lay	Michael Lay	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
	Total votes possible	15

Voting status key: P = Principal voter, A = Alternate voter, I = Individual voter

3 Approval of minutes from the previous meeting

See *TSCmin03-2018.pdf*.

Larry Schoeneman moved to approve the minutes as written. The motion was seconded and then approved unanimously without dissent or abstention.

4 Reading of the call for patents

Mike Garl read the following statement aloud to the assembly:

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.

There was no response to the question.

5 Reading of the anti-trust statement

Mike also read the following statement aloud to the assembly:

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.

Karl Ruling held up a copy of the pamphlet, noting that he had given R. Duane Wilson one of them a few minutes prior to the meeting.

No concerns were reported.

6 Approval of agenda

Items 9.4 and 9.5 were added to the agenda. Mitch moved approval of the revised agenda. The motion was seconded and carried with no dissent or abstentions

7 Old business and standing reports

7.1 Financial reports

See TSP Financials 6-30-18.pdf

7.1.1 Treasurer's Report and Status of Contributions and Pledges

7.1.2 TSP Fundraising

Lori Rubinstein gave a report on the VER insolvency. ESTA is shown on the creditor's list, which currently is in bankruptcy trusteeship. Our invoice for their pledge amount was approved by them, but it is not likely we will receive the full amount.

Rubinstein reported that travel expenses will be slightly over budget due to both Richard Nix and Erin Grabe's expenses currently being posted to TSC budget. However, Erin Grabe's expenses will be shifted to the general expenses as she assumes the Executive Director role.

7.1.3 Accounting of TSP documents sold and downloaded

See SalesReportforTSC_07-2018.pdf

7.2 Old Business

7.2.1 Technical Standards Program project report

See TSPPrjctsSmmry2018-07.pdf.

7.2.1.1 Report on status of documents: ones in process, ones stable, ones needing action or of concern

7.2.1.2 Working group documents for possible action by the TSC

7.2.1.2.1 Public reviews

At their 19 July meeting, the Floors Working Group voted to send BSR E1.62 to the TSC for approval of its first public review. In anticipation of a carried motion to that effect, it's on this agenda as an action item.

Eddie Kramer moved to approve the first public review. The motion was seconded and then approved unanimously without dissension or abstention.

7.2.1.2.2 Reaffirmations

We received the ANSI Notice of Final Action for ANSI E1.11-2008 (R2018) on 31 May 2018. It's published. No further news or action on this agenda item.

7.2.1.2.3 Final approval

7.2.1.2.3.1 BSR E1.46

The Executive Committee approved BSR E1.46 - Standard for prevention of falls [from stages]. A BSR9 Notice of Final Action has been submitted to ANSI. No action is needed by the TSC at this time.

Karl Ruling reported that it was approved by ANSI on Friday the 13th and published the same day.

7.2.1.2.3.2 BSR E1.51

Informational report: The EPWG's letter ballot to accept BSR E1.51 as an ANS has closed with a supermajority voting in favor of the motion. There are some No votes, however, which the working group will discuss at their meeting. The objections are not technical in nature, nor do they point to a failure to follow our ANSI-approved process, so they may be unresolvable.

Mitch Hefter reported that the EPWG agreed that the objections are unresolvable.

Steve Terry moved for the approval of BSR E1.51 as an ANS, the motion was seconded. There was discussion about the comment resolutions, which the working group had already deemed by motion, second, and 17-2 vote as being unresolvable.

Alan Rowe spoke against the document, and suggested that the scope should be narrowed to Ontario only and be offered for public review. He said he thought it would be better if it were a standard for Ontario, leaving out British Columbia. This would also allow the Ontario people to make it better for them.

Alan Rowe said E1.51 is a fine document, and something like this is necessary, but we needed more Canadians to be involved. He said that we Americans cannot understand the culture of Canada. Steve Terry gave a rebuttal, saying that there are no technical issues with the draft standard and that all policies and procedures were followed to the letter.

There was further discussion on the merits of the standard for the entire country of Canada, and points were made for and against re-titling the document as being for Ontario only. Alan Rowe and Eddie Kramer both requested that the reason statement for their opposition state a lack of adequate representation from the Provinces and Territories of Canada, user's groups, and the segments of the industry as listed in the scope of the document.

Steve Terry noted its long history of debate, including the abandoned US version. He spoke against the argument that we cannot move forward without positive support from each or most of the affected provinces, then modified the motion to be a roll-call vote.

Roll-call ballot results:

Name	Company or representation	Status	Vote
Keith Sklar	Actors' Equity	P	A
D. Andrew Gibbs, Ph.D.	Amer. Society of Theatre Consultants	P	Y
R. Duane Wilson	Amer. Society of Theatre Consultants	A	
Matthew Antonucci	Contract Services Administration Trust Fund	P	not present
Larry Schoeneman	DesignLab Chicago, Inc.	P	Y
Steve Terry	Electronic Theatre Controls, Inc.	P	Y
Jules Lauve	ESTA President	P	Y
Edwin S. Kramer	I.A.T.S.E. Local 1	P	N
Alan M. Rowe	IATSE Crafts Advancement Program	P	N
Mike Garl	Mike Garl Consulting LLC	P	Y
Mike Wood	Mike Wood Consulting LLC	P	Y
Mitch Hefter	Mitch Hefter	P	Y
Michael Lay	Michael Lay	P	Y
Bill Sapsis	Sapsis Rigging, Inc.	P	A
Jerry Gorrell	USITT	P	Y
Louis Bradfield	USITT	A	
Fred Kosiewski	Walt Disney Company	P	not present
David E. Miller	Walt Disney Company	A	not present

A supermajority is defined as *"the affirmative vote of at least two-thirds of those who voted, excluding abstentions, and more than 50% of the total voting body, including abstentions."*

The TSC's total voting body is comprised of fifteen possible votes. Eleven votes were cast, excluding the two abstentions. Eight affirmative votes (two-thirds of the total number of votes cast, excluding abstentions) are required. The supermajority also requires more than 50% of the total voting body to vote in favor, which would be eight affirmative votes.

The motion carried by a vote of 9 yes, 2 no, 2 abstentions, out of a total voting body of 15.

The motion now moves to the Executive Committee for approval before a BSR9 can be filed.

7.2.1.2.4 Withdrawal

7.2.1.2.5 New projects

See New Business.

8 Optional Reports

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

8.1.1 Control Protocols

Mike Lay reported on a number of successful task group meetings, and a successful PlugFest. Dan Lisowski has had to step back so they are looking for a new leader to work with Maya Nigrosh on the vector protocol.

Steve Terry said that ETC is making E1.33 code modules available as open-source. This should help the adoption of the standard when it is done.

8.1.2 Electrical Power

Mitch Hefter reported on EPWG activities, including the prior WG approval of the electrical inspections task group project, which Eddie Kramer will chair, pending TSC approval. (Agenda item 9.1.2.) He also reported that Justin Bennett, the new EPWG co-chair and the new USITT Engineering Commissioner, is visiting the TSC meeting today.

8.1.3 Floors

Jerry Gorrell gave a brief report on WG activities, including that E1.46 has been approved and is available for download.

8.1.4 Fog and Smoke

Larry Schoeneman gave a brief report on F&SWG activities. He spoke about the joint ESTA/Actor's Equity poster, soon to be published. The *Introduction to Modern Atmospheric Effects* will be revised. Karl Ruling, Mike Wood and Keith Sklar comprise the task group assigned to make the revisions.

8.1.5 Followspot Position

See the new project request form, item 9.1.1.

8.1.6 Photometrics

Jerry Gorrell reported no meeting this cycle, and nothing else to report.

8.1.7 Rigging

Bill Sapsis gave a report on RWG activities. There were audio issues at the working group meeting. Erin had contacted Jason Potterf about the issues. He found that the WebEx host was seeing audio signal, but somehow the audio signal was not getting through to WebEx participants.

Bill Sapsis further reported that three letter ballots are coming: E1.1 (Wire rope ladders), E1.8 (Loudspeaker enclosures), and BSR E1.56 (Rigging support points)

8.1.8 Stage machinery

Richard Nix gave a report on SMWG activities, including progress on the new controls project, and an eminent new project request for turntables and wagons. His resignation as Co-Chair has created an opening, which the working group feels would be best filled by Joe Jeremy.

Mitch Hefter moved the TSC appoint Joe Jeremy as the new co-chair to replace Richard Nix. The motion was seconded and approved with no dissension or abstentions

8.1.9 Event Safety

Richard Nix gave a brief update of ESWG activities. He and Don Cooper have been trying to motivate people to write words onto paper. This meeting cycle has seen several encouraging document draft progress updates.

Approval of BSR E1.19 as an ANS will be put to a working group letter ballot.

8.2 Reports of affiliated organizations

8.2.1 ASTC

Duane Wilson gave an update for ASTC, mentioning that the US ACCESS committee has invited interested parties to their headquarters in Washington DC on 6 September to discuss new requirements for ADA. Interested parties are encouraged to attend.

8.2.2 Event Safety Alliance

Lori Rubinstein gave a brief update. She is now on the ESA advisory council. She encouraged attendance at the Event Safety Summit, and said that they are doing more safety training and they will be part of our safety track at NAMM.

8.2.3 NFPA

Jerry Gorrell gave an update on NFPA, saying that the latest version of NFPA 80 has been approved. Bill Sapsis inquired about which NFPA standards cover roof smoke hatches; Gorrell said, "Many of them".

Eddie Kramer reported that for a very heavy fog effect at Radio City the fire inspector VOLUNTEERED that the fire/smoke detection should be disabled. That was a first.

8.2.3.1 FDW-AAA committee

Larry Schoeneman said there is nothing to report.

8.2.3.2 SPE-AAA

No news or action.

8.2.3.3 SAF-AXM & BLD

Jerry Gorrell said that a meeting is scheduled for 20 August in Minneapolis, but with a short meeting period, so the agenda should also be short.

8.2.3.4 NEC

Mitch Hefter gave a report mentioning that the NEC second draft report is now in public review until 30 August. Eddie mentioned that Section 17 is now proposing to add inspection to the scope, which now only covers installation and removal.

8.2.4 PLASA

Jules Lauve gave an update on the current status of the final separation agreement, which is now awaiting execution by the PLASA board. PLASA has retained a US-based attorney, who has purportedly advised PLASA to sign the current version of the separation agreement.

8.2.5 USITT

Jerry Gorrell and Mitch Hefter each gave an update on USITT, which has a new President as of 1 July. Gorrell reported that there are several ongoing events for the summer, and that USITT will likely discuss an endorsement for ICOPER at their next meeting.

8.2.6 DTHG

Karl Ruling gave a short report on DTHG's most recent event, the Bühnentechnische Tagung in Dresden. He attended and had a good time. He expressed amazement at the low cost of the conference and the high quality of the food provided.

8.2.7 ICC

Richard Nix gave a brief report on ICC code change proposals, saying that he had submitted 8 code change proposals for the 2021 code, pertaining to Chapter 31, temporary structures, and outdoor assembly. He spoke in favor of the proposed changes at the Code Action Committee hearings in Columbus Ohio, in May. The committee was reluctant to approve the proposed changes, which included requirements for weather monitoring and related actions, primarily because these topics had only just been introduced into the 2018 Code, and because they had not yet been implemented by adoption in any of the states.

9 New business

9.1 possible projects

9.1.1 Temporary Outdoor Followspot Positions, Followspot Positions Working Group

See the request, TSP_ProjectRequest Followspot_Positions.pdf. It asks for a standard governing requirements for construction, power, personnel access and protection. The structural requirements for these structures is already addressed by ANSI E1.21, but no standard directly addresses the other concerns.

Eddie Kramer moved the TSC accept the new project. The motion was seconded and approved with no dissenting vote or abstention

9.1.2 Electrical Inspections Checklist for Entertainment Venues, Electrical Power Working Group

See the request, Electrical_Inspection_TSP_ProjectRequest_Revised.pdf. Ken Vannice had previously suggested a checklist for electrical systems used in entertainment venues. The project request form asks for such a checklist, as a useful guidance document.

Steve Terry moved the TSC accept the new project. The motion was seconded and accepted with no dissenting vote and one abstention

Eddie Kramer suggested that at some point in the future we may need to consider a combined inspection document for both electrical and rigging. There was unanimous agreement with this suggestion.

9.2 TSC membership

Michael Lay and Keith Sklar have been recommended to the ESTA Board. What has been their response?

Both *Michael Lay and Keith Sklar* were approved by the ESTA Board as of 21 July. (Note that these minutes reflect the change in number of voting members as a result of this board action).

9.3 ESTA standards in translation

9.3.1 E1.19 in Spanish

Mike Wood moved the TSC approve the translation with the usual proviso we retain copyright and receive a fee of \$100, which is equivalent to the cost of joining the technical standards program. Further, we agree to publish the translated versions on the ESTA website, after the translations have been vetted. The motion was seconded.

The motion carried unanimously with no dissenting vote or abstentions

9.3.2 E1.20 partially translated into Chinese

The the Chinese Architectural Lighting Industry (CALI) has requested permission to do a partial translation of E1.20.

Steve Terry moved that the TSC disapprove the request based on the fact that it is only a partial translation. The motion was seconded and carried with no dissent or abstention. This decision can be reconsidered if the requester agrees to do a full translation.

9.4 Code Panel 18

Mike Wood said that Jason Potterf expressed an interest in joining NFPA Code Panel 18 representing ESTA. We currently have no representation on CP18 and it's the panel where PoE is covered, which is a topic that's becoming important to our industry. Cisco would sponsor Jason for his expenses, so there would be no burden on ESTA.

There was discussion about the request and the issues at hand. Some points were made for and against the request, in particular a concern that Cisco would be underwriting his expenses but without expectation of directing his voting actions. It was agreed that this is a similar arrangement he has regarding his participation in ESTA's Technical Standards Program.

Steve Terry moved to accept the idea of NFPA code panel representation, and nominated Jason Potterf for this purpose. The motion was seconded and carried with no dissenting vote or abstentions.

9.5 Outreach to Electrical Inspectors

No report or action.

10 Other business and announcements

10.2 ICOPER

Lori Rubinstein said there have been 800 downloads from 50 different companies of ICOPER. A Polish translation is undergoing final review and they have a plan for marketing it to get buy-in there. Many organizations have expressed interest in endorsing the document, including USITT, CITT, etc. Other organizations are invited to add their names.

10.3 The Our Common Goals Initiative

No news, reported Erin Grabe.

10.4 NATEAC 2020

Bill Sapsis reported that it will be happening in New York. It will have a format similar to the format in 2016 and probably also will be at the Roosevelt Hotel. He is looking for possible panels.

10.5 Above & Beyond Awards

The website is open for nominations year-round, http://tsp.esta.org/tsp/news/award_recipients.html.

10.6 Lifetime Technical Achievement Award

Mike Garl asked for new nominations. Lori Rubinstein said we need them soon, if someone wants to make a nomination. We do not have to award this every year.

10.7 Volunteer of the Year Award

No report; no action.

10.8 Swan Award

No report; no action.

10.9 TSP participation fee donor fund

Erin reported that we still have a few hundred dollars left in the fund, but that we have had no new requests.

10.10 LDI

Lori Rubinstein reported that she will be attending to represent Behind the Scenes and to introduce Erin Grabe, who also will be there, to ESTA members as the new, in-coming Executive Director.

10.11 NAMM

Visit esta.org/namm for the schedule and course descriptions, or to register.

Jules Lauve said we will have a presence there. We had 25 members last year. Right now we have 34 signed up for the show, and many of those who have renewed will have larger booths.

Lori Rubinstein said that the NAMM staff has been wonderful to work with, a very good partner.

On August 22 the registration page goes live, reported Erin Grabe. The hotel map is already on-line, but the ESTA room block is sold out!

The Behind the Scenes Happy Hour fund-raiser has been moved to NAMM, and will be held at the Marriott on Saturday from 6:00 p.m. to 8:00 p.m., reported Rubinstein. All the educational sessions will be at the Hilton, as before.

10.12 INNOVA

No news or action.

10.13 NWRS

Lori Rubinstein reported that the agreement was signed last week to do the event again. Work will be done on the presentations and logistics in the coming months.

10.14 Credentialing

Lori Rubinstein reported that there is a move to ban the use of third-party credentials in any advertising or descriptions of services, saying that the state legislatures are confusing credentialing with licensure. Louisiana legislation was modified to correct the term, but Missouri passed the bill via an omnibus package. We need people to watch for such legislation so we can alert people to threats to their ability to market their third-party certification of expertise.

Jules Lauve mentioned a *NY Times* report on Americans for Prosperity, the libertarian/[conservative](#) political [advocacy group](#) funded by [David H.](#) and [Charles Koch](#).

11 Schedule for future meetings

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

11.1 October 2018 ESTA meetings

It was announced that the October 2018 TSC meeting is scheduled to take place 07 October 2018 from 9:00 a.m. - 1:00 p.m., at the D/FW Marriott Solana in Westlake, TX.

11.2 January NAMM meetings

It was announced that the January meetings will be held in conjunction with the Winter NAMM Show 2019, in Anaheim, CA. The TSC meeting is scheduled for Wednesday, 23 January 2019 from 2:00 p.m. to –6:00 p.m. at the Sheraton Park Hotel.

11.3 March meetings

The March meetings will be held in conjunction with the USITT Conference in Louisville, KY

12 Adjournment

Mike Garl asked if there was any other business before the Council. Hearing none, and with the agenda being completed, he declared the meeting adjourned at 11:54 a.m.

Technical Standards Council Members as of 22 July 2018

Name	Company	Representing	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
Michael Lay	Signify	Signify	P
David E. Miller	Walt Disney Parks & Creative Entertainment	Walt Disney Company	A
Richard J. Nix	ESTA	ESTA	exf
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
Keith Sklar	Actors' Equity Association	Actors' Equity Association	P
Stephen G. Surratt	Texas Scenic Company	Texas Scenic Company	exf
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	P

Technical Standards Council Members as of 22 July 2018

Name	Company	Representing	Status
R. Duane Wilson	George C. Izenour Associates	Amer. Society of Theatre Consultants	A
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	P

Voting status key: P = Principal voter, A = Alternate voter, I = Individual voter, O = Observer member, exf = Ex Officio member (staff)