

Minutes
Technical Standards Council
Friday, 22 March 2019
Hyatt Regency Louisville
Louisville, KY

Presiding chairperson: Mike Garl; Mike Garl Consulting

Recording secretaries: Richard Nix & Karl Ruling; ESTA

Members attending:

Mike Garl; Mike Garl Consulting LLC; P
Jerry Gorrell; Theatre Safety Programs, representing 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
Michael Lay; Signify; P
David E. Miller; Walt Disney Parks & Creative Entertainment (Walt Disney Company); A
Alan M. Rowe; IATSE Local 728 representing the IATSE Crafts Advancement Program ; P
Larry Schoeneman; DesignLab Chicago, Inc.; P
Keith Sklar; Actors' Equity Association; P
Stephen G. Surratt; Texas Scenic Company (ESTA Treasurer); exf
Steve Terry; Electronic Theatre Controls, Inc.; P
Mike Wood; Mike Wood Consulting LLC; P
R. Duane Wilson; George C. Izenour Associates representing the Amer. Society of Theatre Consultants; A

Visitors attending:

Cedric Jackson; SAG-AFTRA
Chris Moulton; Contract Services Administration Trust Fund
Wendy Russell; Electronic Theatre Controls, Inc.
Steve Vanciel; IATSE Loxcal 631
Ken Wagner; Walt Disney Live Entertainment

ESTA staff attending: Erin Grabe, Richard J. Nix, Karl G. Ruling

1 Opening Remarks

Mike Garl called the meeting to order at 15:02, welcoming everyone to the meeting, thanking them for their attendance. He pointed out the exits, designated a meeting place in case of evacuation, and reminded everyone to silence their cell phones.

2 Attendance and membership

Mike Garl identified the brilliant green sign in sheet that would be passed around.

2.1 Taking attendance

A chartreuse sign-in sheet was passed around the room for attendees to indicate their presence. Mitch Hefter and Keith Sklar were attending on-line.

2.2 Welcome to visitors

2.3 Introductions

Those present introduced themselves.

2.4 Call for quorum

There are currently 15 votes possible. A quorum is 8.

Mike Garl counted and then declared that a quorum was present.

2.5 Consensus body, including those not present

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

3 Approval of minutes from the previous meeting

See *TSC_min_01-2019_DRAFT.pdf*

Eddie Kramer moved to approve the minutes as submitted. The motion was seconded, and carried unanimously.

4 Patent and anti-trust statements

4.1 Reading of the anti-trust statement

Mike Garl 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 an 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 printed copy of the pamphlet to show that it was available.

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

Nothing was revealed.

5 Approval of agenda

Michael Lay requested to add an item 6.2.2.2.3 E1.33 RDMNet. Steve Terry requested to add an item regarding discussion of state legislative actions impacting licensure for low voltage wiring. Larry Schoeneman requested to add an item for discussion about special effects.

Steve Terry moved to accept the agenda as amended. The motion was seconded and carried unanimously.

6 Old Business and standing reports

6.1 Financial reports

6.1.1 Treasurer's Report and Status of Contributions and Pledges

Steve Surratt gave a financial report summary, stating that the TSC currently was operating at a surplus.

6.1.2 TSP Fundraising

Erin Grabe reported that there is nothing new to report, except to say that the current surplus was due to receipts from ProSight, Disney, and NAMM. Pledge requests continue to be issued. She noted that Walt Disney had prepaid their annual pledge.

6.1.3 Accounting of TSP documents sold and downloaded

See ANSI 4th quarter 2018_Royalty.pdf

Mike Garl gave a brief summary, referencing the documents previously distributed.

6.2 Old Business

6.2.1 Technical Standards Program project report

See TSPPrjctsSmmry2019-03.pdf.

6.2.2 Working group documents for possible action by the TSC

6.2.2.1 Public reviews

6.2.2.2 Final approvals

6.2.2.2.1 Possible approval of a BSR E1.37-7, Additional Message Sets for ANSI E1.20 (RDM) - Gateway and Splitter Configuration

The Control Protocols Working Group letter ballot to accept BSR E1.37-7, Additional Message Sets for ANSI E1.20 (RDM) - Gateway and Splitter Configuration, as an ANS times out on March 14. As of March 6 all the votes are Yes, but not all the ballots have been returned. See *Approved_BSR_E1-37-7_Resolutions_by_Comment.pdf* and *BSR_E1-37-7-201x_CP2016-1026r3.pdf*.

Ruling reported that one “Yes with comments” had been received which lengthened the ballot period into April, past this TSC meeting. It is a Yes vote, so it needs to be noted, but it is not an objection needing to be resolved. The extension also made it possible that other votes might be changed to “No with reasons,” which would require an attempt at resolution.

Michael Lay moved that this document be sent to a TSC letter ballot approval following the close of the CPWG letter ballot close, which is after this meeting, if the approval motion carries in the CPWG. The motion was seconded and carried unanimously. The CPWG will receive the results of the letter ballot, and respond to any objections if necessary.

6.2.2.2.2 Possible approval of BSR E1.30-11, EPI 33. ACN Root Layer Protocol Operation on TCP

The Control Protocols Working Group letter ballot to accept BSR E1.30-11, EPI 33. ACN Root Layer Protocol Operation on TCP, as an ANS times out March 11. So far we have only Yes votes and one "Abstain with reasons," but as of 6 March not all the ballots have been returned. See E1-30-11_SecondReviewSummary.pdf and BSRE1-30-11-201x_CP2014-1002a.pdf.

Karl Ruling reported that the letter ballot had closed and the motion had carried, with no objections and one abstention. Michael Lay moved to approve the document as an ANS. The motion was seconded. A roll-call vote was taken, the results of which are reported below:

Name	Company or representation	Voting status	Vote
Keith Sklar	Actors' Equity	P	Y
D. Andrew Gibbs, Ph.D.	Amer. Society of Theatre Consultants	P	
R. Duane Wilson	Amer. Society of Theatre Consultants	A	Y
Matthew Antonucci	Contract Services Administration Trust Fund	P	
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	Y
Alan M. Rowe	IATSE Crafts Advancement Program	P	Y
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	
Jerry Gorrell	USITT	P	Y
Louis Bradfield	USITT	A	
Fred Kosiewski	Walt Disney Company	P	Y
David E. Miller	Walt Disney Company	A	
	15 votes possible		13

With thirteen yes votes, no objections and no abstentions, the motion carried with the required supermajority. The motion will be forwarded to the Executive Committee.

6.2.2.2.3 E1.33 RDMNet

Michael Lay moved that this document be sent to a TSC letter ballot approval following the close of the CPWG letter ballot for approval, which is after this meeting. The motion was seconded and carried unanimously. The

CPWG will receive the results of the letter ballot, and respond to any objections if necessary.

[Post-meeting staff note: The letter ballot closed with one objection, which will be addressed at the CPWG May 1 WebEx meeting. The TSC ballot will be issued if the motion to approve is sustained, and the CPWG provides evidence of having attempted to resolve the objection.]

6.2.2.3 Withdrawals

None.

6.2.2.4 New projects

6.2.2.4.1 Another dimming performance project proposal

See LED Dimming – TSP_ProjectRequest.pdf

Karl Ruling began the discussion by saying that he had received two different, yet similar requests, which needed to be either rejected, or directed to the Photometrics Working Group. Mike Wood said that he thought the idea was good, but not practical to achieve since the results are purely subjective. Steve Terry concurred that the resolution to achieve objective results might be possible, but there is a point at which it is not useful in a dynamic curve, so perhaps static positions are more reasonable to achieve.

Mike Wood moved to roll this request into the previous new project recently sent to the Photometrics Working Group, all as part of a single project. The motion was seconded, and carried unanimously. The Photometrics WG will consider accepting the project at its next meeting.

6.2.2.4.2 DMX interoperability

See TSP_Project_Request_DMX_interoperability.pdf

Karl Ruling gave an overview of the project request. Michael Lay said that the CPWG had previously discussed this topic, and endorses it.

Steve Terry moved to accept the project, and assign it to the CWPG. The motion was seconded and carried unanimously.

6.2.3 Other old business

6.2.3.1 E1.19 in Spanish

Richard Nix reported that there was no update.

6.2.3.2 E1.20 in Chinese

Richard Nix reported that he had sent an email asking about progress, but no response has been received yet.

6.2.3.3 NEC Code Panel 18

From the January minutes:

Mitch Hefter reported that Jason Potterf should hear if he has been accepted to the Code Panel in April. Update?

Mitch Hefter reported that there is no news; it's not April yet.

6.2.3.4 Outreach to Electrical Inspectors

Mitch Hefter reported that he still has follow-ups to do.

7 New business

8 Optional reports

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

8.1.1 Control Protocols

8.1.2 Electrical Power

Mitch Hefter reported on the working group meeting, which had occurred earlier that day. Since no comments were received during its recent public review cycle, BSR E1.53 will move to a working group letter ballot to accept as an ANS. The EPWG may not meet in July.

Eddie Kramer reported on the Electrical Inspection TG progress and intended meeting schedule. Generally, they intend to hold WebEx meetings every three weeks until July.

8.1.3 Floors

Jerry Gorrell reported that BSR E1.62 for platforms, choral risers, et cetera was in public review.

8.1.4 Fog and Smoke

No report.

8.1.5 Followspot Position

Steve Vanciel reported that the WG will be meeting later today. He anticipated putting the new draft for temporary positions out for public review after the July meeting.

8.1.6 Photometrics

8.1.7 Rigging

8.1.8 Stage machinery

8.1.9 Event Safety

Richard Nix reported that there have been some comments received from NFPA, on the BSR ES1.9 crowd management draft, currently in public review.

8.2 Reports of affiliated organizations

8.2.1 ASTC

R. Duane Wilson said there is nothing to report.

8.2.2 Event Safety Alliance

8.2.3 NFPA

8.2.3.1 FDW-AAA committee (NFPA 80 fire doors & fire safety curtains)

Jerry Gorrell reported that committee meetings are upcoming.

8.2.3.2 SPE-AAA (NFPA 160 & 1126, flame and pyrotechnics)

Larry Schoeneman reported about the meeting that he had attended recently. He had a conversation with someone who participates in the NFPA160 standard, who expressed a strong interest in developing a certification process for pyrotechnicians. Mike Wood and Mike Garl each said that certification is managed by the ETCP council and directed Schoeneman to take the possible project to them.

8.2.3.3 SAF-AXM & BLD (assembly occupancies. NFPA 101, 102, & 5000)

Jerry Gorrell and Karl Ruling each gave a brief report on the code cycle progress and status.

8.2.3.4 NEC (NFPA 70)

Steve Terry gave a brief report, saying that the second revision of the NEC 2020 have passed the technical committee. Mitch reported that the second draft will be available to review on 05 April, and they don't expect anything to impact the industry.

8.2.4 PLASA

Jules Lauve said there is nothing new to report on our negotiations with PLASA about our separation.

Michael Lay gave a brief report on the PLASA/UK Plugfest, held in the North of France, with about forty attendees.

8.2.5 USITT

Jerry Gorrell reported that there is a big conference going on nearby, and perhaps an attendance record is being set with over 6,000 attendees.

8.2.6 DTHG

Karl Ruling said he will be speaking about the TSP's Event Safety Working Group at the DTHD's Stage|Set|Scenery conference and trade show in Berlin in June.

8.2.7 ICC

Richard Nix reported on the acceptance of CCP G147, which creates a direct link from the building code to the fire code.

8.2.8 IES

Mitch Hefter reported on status of an IES document listing the various protocols used for lighting control.

9 Other business and announcements

9.1 Low voltage wiring

Steve Terry reported on new legislature in some states, notably Texas, modifying the requirements adopted from the NEC, to change the licensing requirements for installers of low-voltage control wiring, which covers Class 2 wiring, DMX control wiring, etc. This could have a significant impact on our industry. He moved to craft a dissenting statement to the appropriate legislators, it was seconded. There was discussion about the CISCO talking points. The next legislative committee hearing is 28 March. The request is to have a letter drafted prior to that meeting, which should come from Karl Ruling as ESTA's Technical Standards Manager on behalf of its membership. The motion carried unanimously with no objection.

On other related business, Jerry Gorrell brought up a related item regarding NFPA 70E, which includes a very large list of training requirements for qualified persons. He suggested this is an onerous requirement, if every qualified person must meet all of those requirements.

9.2 NATEAC 2020

No report.

9.3 Above & Beyond Awards

It was noted that information on the Above & Beyond Awards may be found at http://tsp.esta.org/tsp/news/award_recipients.html. The nomination site is open year-round.

9.4 Lifetime Technical Achievement Award

Mike Garl said that Rocky Paulsen had received the award on Tuesday. It was a very nice presentation and well-planned.

9.5 Volunteer of the Year Award

No report.

9.6 Swan Award

No report.

9.7 TSP participation fee donor fund

Erin Grabe reported that we have had no recent requests. There is still a small amount of funding available.

9.8 INNOVA

Erin Grabe reported that it has been discussed at the Board level and there is agreement that more content is

needed. She asked everyone to consider topics to produce.

9.8 NWRS

Mike Garl reported that everything went very well, and it exceeding expectations.

10 Schedule for future meetings

It was noted that the meeting schedule may be found at <http://www.esta.org/ESTA/meetings.php>.

10.1 Summer meetings

The July 2019 ESTA meetings will be held in Westlake, TX, at the Marriott Solana, from 18 July through 22 July 2019. The complete schedule is not yet confirmed. The TSP meeting is Sunday 21 July 9:00-13:00

10.2 Autumn meetings

The Autumn meetings will be October 24-27 at the Marriott Solana. The complete schedule is not been confirmed or published.

11 Adjournment

Eddie Kramer moved to adjourn. The agenda being complete, and no new business being brought forth, Mike Garl declared the meeting adjourned at 16:16.