

Minutes
Technical Standards Council
Sunday 19 January 2020
Wyndham Garden Anaheim
Anaheim, CA

Chairperson: Mike Garl; Mike Garl Consulting

Recording secretaries: Richard J. Nix & Karl G. Ruling; ESTA

Members attending:

Mike Garl; Mike Garl Consulting LLC; P
William Gillett; Walt Disney Parks & Live Entertainment (Walt Disney Company); A
Jerry Gorrell; Theatre Safety Programs, representing USITT; P
Erin Grabe; ESTA; exf
Edwin S. Kramer; I.A.T.S.E. Local 1; P
Michael Lay; Candela Controls, Inc; P
David E. Miller; Walt Disney Parks & Live Entertainment (Walt Disney Company); P
Richard J. Nix; ESTA; exf
D. Andrew Gibbs, Ph.D.; D. A. Gibbs and Associates, representing ASTC; P
Alan M. Rowe; IATSE Local 728, representing the IATSE Crafts Advancement Program ; P
Karl G. Ruling; ESTA; exf
Larry Schoeneman; I
Keith Sklar; Actors' Equity Association; P

1 Opening Remarks

Mike Garl called the meeting to order at 09:02, welcoming everyone to the meeting, and thanking them for taking time to attend to promote technical standards development. He asked everyone to please mute their phones. Then he noted the fire exit locations, and reminded everyone that the hotel staff had just cleaned the sidewalks outside of the exits, so to be mindful of potential slip hazards. He reminded the assembly that in case of an active shooter incident, the recommended responses are to run, to hide, and then to fight, in that order.

2 Attendance and membership

2.1 Taking attendance and introductions

Everyone in the room introduced themselves, then the online attendees were introduced. Karl Ruling circulated an orange sign-in sheet, and asked everyone to indicate their presence on it.

2.2 Welcome to visitors

There were no visitors, but William Gillett was welcomed as the new representative for the Walt Disney Company, replacing Fred Kosiewski.

2.3 Call for quorum

Mike Garl announced that a quorum was present.

2.4 Consensus body changes

Fred Kosiewski has resigned from the TSC, citing new duties for the Walt Disney Company that are not standards related. David Miller has been moved from Alternate to Principal voter, representing Disney. William Gillett was added as the Disney Alternate. Todd Spencer replaces Jules Lauve as ESTA's President.

2.5 Consensus body

| 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 |

| Name | Company or representation | Voting status |
|-------------------|---|---------------|
| Matthew Antonucci | Contract Services Administration Trust Fund | P |
| Larry Schoeneman | Larry Schoeneman | P |
| Steve Terry | Electronic Theatre Controls, Inc. | P |
| Todd Spencer | 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 | Candela Controls, Inc. | P |
| Bill Sapsis | Sapsis Rigging, Inc. | P |
| Jerry Gorrell | USITT | P |
| Louis Bradfield | USITT | A |
| David E. Miller | Walt Disney Company | P |
| William Gillett | Walt Disney Company | A |
| | Total votes possible | 15 |

3 Approval of minutes from the previous meeting

See *TSC_Min10-2019_DRAFT.pdf*

Alan Rowe moved to approve the October meeting minutes as written. The motion was seconded. The motion was approved with no objections or abstentions.

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 displayed the pamphlet for all to see. No restraint of trade concerns were raised.

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

Larry Schoeneman moved to approve the draft agenda. The motion was seconded and the approved unanimously.

6 Old Business and standing reports

6.1 Financial reports

6.1.1 Treasurer's Report and Status of Contributions and Pledges

See ESTA TSP 2019-12-31.pdf

Erin Grabe said that we ended last year about \$2000 under budget, but this year's budget has an expense increase of about \$33,000 over 2019.

6.1.2 TSP Fundraising

Erin Grabe noted that the pledges are starting to drop as we are reaching the end of the 5-year pledge periods. Alan Rowe said that people need to be reminded of their pledges. We need human outreach for people to continue their donations.

Erin Grabe reported that she had developed a small marketing report that tells members how funds are allocated, and breaks down the prior year's new projects and approved standards.

6.1.3 Accounting of TSP documents sold and downloaded

See ANSI_Q3_2019.pdf and SalesReportforTSC_01-2020.xls

Mike Garl reported on the total of documents downloaded.

Erin Grabe talked about the ProSight arrangement. She said she had met the new ProSight contact, who said they hadn't followed up on leads from the website.

6.1.4 ANSI dues

Karl Ruling reported that we hadn't received the invoice yet.

6.2 Old Business

6.2.1 Technical Standards Program project report

See TSPPrjctsSmmry2020-01.pdf

6.2.2 Working group documents for possible action by the TSC

6.2.2.1 Public reviews

See BSR_E1-67-202x_R0.pdf

Alan Rowe moved that BSR E1.67 be offered for public review. The motion was seconded. The motion was approved with all votes Yes except for one abstention. The motion carried.

6.2.2.2 Withdrawals

6.2.2.3 Accept as ANS

See Smmry_WG_Ltr_Ballot for BSRE1-17_ReaffirmANS.pdf, BSR_E1-17_PR1 CmmntSmmry.pdf, and ANSI_E1-17_2015_R202x_ACN.zip

Michael Lay moved we accept the reaffirmation of ANSI E1.17. The motion was seconded. The motion was approved with a roll call vote, with everyone present voting Yes, nine votes out of a possible 15. Six voters were

not present.

| Name | Representing | Status | Vote |
|---------------------------|---|--------|----------|
| Keith Sklar | Actors' Equity Association | P | Y |
| D. Andrew Gibbs, Ph.D. | Amer. Society of Theatre Consultants | P | Y |
| R. Duane Wilson | Amer. Society of Theatre Consultants | A | |
| Michael Lay | Candela Controls, Inc | P | Y |
| Matthew Antonucci | Contract Services Administration Trust Fund | P | |
| Steve Terry | Electronic Theatre Controls, Inc. | P | |
| Todd Spencer | ESTA President | P | |
| Edwin S. Kramer | I.A.T.S.E. Local 1 | P | Y |
| Alan M. Rowe | IATSE Crafts Advancement Program | P | Y |
| Larry Schoeneman | Larry Schoeneman | I | Y |
| Mike Garl | Mike Garl Consulting LLC | P | Y |
| Mike Wood | Mike Wood Consulting LLC | P | |
| Mitch Hefter | Mitch Hefter | P | |
| Bill Sapsis | Sapsis Rigging, Inc. | P | |
| Jerry Gorrell | USITT | P | Y |
| Louis Bradfield | USITT | A | |
| David E. Miller | Walt Disney Company | P | Y |
| William Gillett | Walt Disney Company | A | |
| Total "Yes" votes: | | | 9 |
| Total "No" votes: | | | 0 |

6.2.2.3 New projects

See

1. *TSP_ProjectRequest - Winch Towers for RWG.pdf, Selection and Use of Ground Supported Winch Stands and Towers in the Entertainment Industry*
2. *TSP_ProjectRequest Shock and Electrocutation.pdf, Recommended Practices for Avoiding Shock and Electrocutation.*

6.2.2.3.1 Winch towers

Andy Gibbs moved that the winch towers project be accepted. The motion was seconded.

Karl Ruling reported that he had seen a company on the NAMM show floor who is now importing a device that would be addressed by the lift standard.

The motion was approved with a unanimous show of hands.

Larry Schoenemann asked what we should do if our standards are diametrically opposed to other standards. Karl Ruling explained that we write our standards for our industry and our industry's needs. Those may not be the same as the needs of other industries, but we clarify where our standards apply and where they don't.

6.2.2.3.2 Recommended practices for avoiding shock and electrocution

Karl Ruling noted that the person who had made the proposal, Keith Sklar, is on-line and could speak on the subject. He gave a brief explanation, noting in particular that stage managers come to him asking for AEDs to be required.

Alan Rowe moved that the project be accepted. The motion was seconded. The motion was approved with a unanimous show of hands.

6.2.3 Other old business

6.2.3.1 E1.19 in Spanish

No news, reported Richard Nix.

6.2.3.2 E1.20 in Chinese

Richard Nix reported that he asked a translator he knows what the charge would be for a full translation. She gave a free evaluation, but declined to undertake a translation as a formal professional service.

7 New business

None.

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 the CWPG meeting and six task group meetings, He gave an overview of who did what in which group. Michael Lay said we need to upgrade the WebEx equipment for task groups with USB speaker phones. He also expressed a desire to have meetings in conjunction with LDI in Las Vegas, rather than meeting in Texas in October. The pairing would reduce travel costs for those planning to attend LDI as well as the TSP meetings.

Michael Lay said he was particularly proud of the work done by CPWG members on NAMM sessions.

8.1.2 Electrical Power

No report.

8.1.3 Floors

Jerry Gorrell reported on the progress with BSR E1.62, the draft portable platform standard. It will be voted on for approval as an American National Standard by letter ballot.

8.1.4 Fog and Smoke

Larry Schoeneman reported that the Fog & Smoke Working had not meet at NAMM. He deferred to Karl Ruling to report on the recently closed public review for BSR E1.23, the fog effect planning standard. Ruling reported that one person had commented, with a comment outside the scope of the standard.

8.1.5 Followspot Position

Richard Nix reported that the document successfully completed its first public review but had received no comments. A motion was made at the meeting to approve it as an American National Standard; a letter ballot will be issued.

8.1.6 Photometrics

Jerry Gorrell reported that the two active projects are revising the standard for specifying color standard and a new project for describing low-end dimming with LED luminaires.

8.1.7 Rigging

Richard Nix gave a reprise of the working group's most recent meeting.

8.1.8 Stage machinery

Richard Nix gave a reprise of the working group's most recent meeting.

8.1.9 Event Safety

Richard Nix reported that some task groups are moving slowly, but others are moving forward. The crowd management document will have comment resolutions for approval in April. The temporary structures document will be voted on for final approval.

8.2 Reports of affiliated organizations

8.2.1 ASTC

No report, said Andrew Gibbs.

8.2.2 Event Safety Alliance

No report.

8.2.3 NFPA

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

Jerry Gorrell reported the committee rejected a proposed change to the fire curtain material requirement.

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

Karl Ruling said he attends the Adobe Connect on-line meetings. There are no proposals likely to affect our members. Most of the changes to NFPA 160 deal with flame performers: people who swallow fire, twirl flaming torches, and so on. There are interesting problems in those fields. AHJs want rules that let them clearly approve or not approve something. The acts inherently have elements of danger, but the AHJs don't know whether the measures taken to control the danger are adequate or make hazards worse. The novelty of the acts exacerbates the problem.

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

Jerry Gorrell reported that there is a February 3 meeting scheduled for NFPA 102.

8.2.3.4 NEC (NFPA 70)

Alan Rowe reported that there are meetings to revise Article 530. The proposals are being written with the cooperation of labor and management. The final date for submissions is September 10. The Code Panel meets in January 2021.

8.2.3.5 NEC (Panel 18 representation)

At the CPWG meeting Jason Potterf reported that he'd been put on the panel. The NFPA added a seat.

8.2.3.6 NFPA 70E

Eddie Kramer said the Code Panel meets in January 2021.

8.2.4 PLASA

No news.

8.2.5 USITT

Jerry Gorrell reminded everyone about the upcoming meetings in Houston at the Conference and Stage Expo.

8.2.6 DTHG

No report, said Karl Ruling

8.2.7 ICC

No news.

8.2.8 IES

No news.

9 Other business and announcements

9.1 Above & Beyond Awards

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.

9.2 Lifetime Technical Achievement Award

No news.

9.3 Volunteer of the Year Award

No news.

9.4 Swan Award

No news.

9.5 TSP participation fee donor fund

No new requests. No new funding.

9.6 INNOVA

Erin Grabe reported that the system is back up again, but the old catalog is still there. They are supposed to be moving the site and updating to the new catalog sometime.

9.7 Strategic Plan

Erin Grabe reported that CiviCRM is the open source software she is looking at to replace ACGI's Association Anywhere. It runs on WordPress and Drupl.

10 Schedule for future meetings

The meeting schedule may be found at <http://www.esta.org/ESTA/meetings.php>.

10.1 Spring 2020 meetings (USITT, Houston, TX)

The Spring 2020 meetings will be held in conjunction with the USITT conference in Houston, TX, from 01-04 April 2020. The complete schedule has not yet been confirmed, but the TSC meeting is tentatively scheduled for 15:00 to 18:00, Friday 3 April at the Marriott Marquis Houston.

Erin Grabe reported that there will be the Annual General Meeting on Friday 3 April 9:00 to 10:30 a.m.

10.2 Summer 2020 meetings (NATEAC, NYC)

The Summer 2020 meetings will be held in conjunction with the NATEAC event in New York City, 19-20 July 2020. The complete schedule has not yet been confirmed.

11 Adjournment

Alan Rowe moved that the meeting adjourn. The motion was seconded. Having reached the end of the agenda and hearing no objections, Mike Garl declared the meeting adjourned at 10:18.

Technical Standards Council members

| Delegate | Company | Representation | 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 |
| William Gillett | Disney Parks Live Entertainment | Walt Disney Company | A |
| Jerry Gorrell | Theatre Safety Programs | USITT | P |
| Erin Grabe | ESTA | ESTA | exf |
| Mitch Hefter | Mitch Hefter | Mitch Hefter | P |
| Edwin S. Kramer | I.A.T.S.E. Local 1 | I.A.T.S.E. Local 1 | P |
| Michael Lay | Candela Controls, Inc | Candela Controls, Inc | P |
| David E. Miller | Walt Disney Parks & Live Entertainment | Walt Disney Company | P |
| 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 |
| Karl G. Ruling | ESTA | ESTA | exf |
| Bill Sapsis | Sapsis Rigging, Inc. | Sapsis Rigging, Inc. | P |
| Larry Schoeneman | Larry Schoeneman | Larry Schoeneman | I |
| Keith Sklar | Actors' Equity Association | Actors' Equity Association | P |
| Todd Spencer | PSAV Presentation Services | ESTA President | P |
| Stephen G. Surratt | Texas Scenic Company | Texas Scenic Company | exf |
| Steve Terry | Electronic Theatre Controls | Electronic Theatre Controls, Inc. | P |
| R. Duane Wilson | George C. Izenour Associates | Amer. Society of Theatre Consultants | A |

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| Mike Wood | Mike Wood Consulting LLC | Mike Wood Consulting LLC | P |