

Minutes
Technical Standards Council
Sunday 23 July 2023
Marriott D/FW Westlake – Westlake, TX

Chairpersons:

Mike Garl; Mike Garl Consulting LLC; P (presiding)
Alan M. Rowe; I.A.T.S.E. Local 728; P

Recording secretaries:

Richard Nix, Karl Ruling, and Erin Grabe (ESTA)

Attendees:

Justin Bennett; USITT; A
William Gillett; Walt Disney Company; A
Jerry Gorrell; USITT; P
Mitch Hefter; Mitch Hefter; P
Edwin S. Kramer; I.A.T.S.E. Local 1; P
Michael Lay; Candela Controls, Inc; P
D. Andrew Gibbs, Ph.D.; Amer. Society of Theatre Consultants; P
Bill Sapsis; Sapsis Rigging, Inc.; P
Mike Skinner; Contract Services Administration Trust Fund; P
Keith Sklar; Actors' Equity Association; P
R. Duane Wilson; Amer. Society of Theatre Consultants; A

1 Opening Remarks

Mike Garl called the meeting to order, welcoming everyone and thanking them for taking time to attend today's meeting. He reminded the online attendees to mute their microphones when not speaking.

2 Patent and anti-trust statements

2.1 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.

Richard Nix held up a copy of the pamphlet for all to see.

2.2 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.

3 Attendance and introductions

3.1 Welcome to visitors

3.2 Determination of a quorum

A quorum is seven voting members.

Mike Garl confirmed that a quorum was present.

3.3 Consensus body

The full consensus body during the time of this meeting, including voters not present, is:

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
Michael Lay	Candela Controls, Inc.	P
Matthew Antonucci	Contract Services Administration Trust Fund	P
Mike Skinner	Contract Services Administration Trust Fund	A
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	I.A.T.S.E. Local 728	P
Mike Garl	Mike Garl Consulting LLC	P
Mitch Hefter	Mitch Hefter	P
Bill Sapsis	Sapsis Rigging, Inc.	P
Jerry Gorrell	USITT	P
Justin Bennett	USITT	A
David E. Miller	Walt Disney Company	P
William Gillett	Walt Disney Company	A
	Total votes possible	13

4 Approval of minutes from the previous meeting

[See TSCmin04-2023_DRAFT.pdf]

Bill Sapsis moved to approve the minutes. The motion was seconded and carried, without objection or abstentions.

5 Approval of agenda

William Gillette moved to approve the r3 agenda. The motion was seconded and carried, without objection or abstentions.

6 Old Business and standing reports

6.1 Financial reports

6.1.1 Treasurer's Report and Status of Contributions and Pledges

Erin reported that ESTA needs money. There is a plan in development for new fundraising. The fundraising campaign will be for ESTA and several of its programs, not only the TSP. The plan will be sent once it's finalized,

in a couple of weeks.

6.1.2 TSP Fundraising

6.1.3 Accounting of TSP documents sold and downloaded

[See SalesReportforTSC_07-2023.pdf]

Total downloads increased by 2.6% over last quarter. 135,119 downloads

6.2 Old Business

6.2.1 Technical Standards Program project report

[See TSP Project Status Summary_07-2023.pdf]

Mike Garl asked if there were any questions. There were none.

6.2.2 Working group documents for possible action by the TSC

6.2.2.1 First public reviews

6.2.2.1.1 BSR E1.43 – 202x, Performer Flying Systems

[See E1-43_PerformerFlyingSystems_Rig2020-2032r0d.pdf]

The Rigging Working Group approved this for first public review.

Bill Sapsis reported, they approved it after some discussion. He moved to approve the first public review. The motion was seconded and carried, without objection or abstentions. A BSR8 will be filed with ANSI.

6.2.2.1.2 BSR E1.50-1 – 202x, Requirements for the Structural Support of Temporary LED, Video & Display Systems]

[See BSR E1.50-1-202x_Rig2023-2001r0.pdf]

The RWG approved this for first public review.

Bill Sapsis reported, they approved it with minimal discussion. He moved to approve the first public review. The motion was seconded and carried, without objection or abstentions. A BSR8 will be filed with ANSI.

6.2.2.1.3 BSR E1.23, Design, Execution, and Maintenance of Atmospheric Effects

[See BSR_E1-23_202x_20July.pdf]

The Fog & Smoke Working Group approved first public review.

Karl Ruling reported, giving a brief synopsis of the latest revisions. Keith Sklar moved to approve first public review. The motion was seconded and carried, without objection or abstentions. A BSR8 will be filed with ANSI.

6.2.2.1.3 BSR E1.1 – 202x, Entertainment Technology – Construction and Use of Wire Rope Ladders in the Entertainment Industry

[see BSR_E1-1_202x_Rig2004-2029r6a.pdf]

The Rigging Working Group approved first public review at the 07-2023 meeting.

Bill Sapsis reported, they approved it with minimal discussion. He moved to approve the first public review. The motion was seconded and carried, without objection or abstentions. A BSR8 will be filed with ANSI.

6.2.2.2 Withdrawals or abandonments

6.2.2.2.1 BSR E1.74, Indoor Stage Ventilation

The Fog & Smoke Working Group voted to abandon the project, because all of its intended subject matter was rolled into BSR E1.23. ANSI will be notified. No TSC action is required.

6.2.2.3 Accept as ANS

6.2.2.4 Reaffirmations

6.2.2.5 New project requests

6.2.3 Working group documents for TSC review

[In conformance with the 04-2023 TSC directive, all drafts considered for public review will be sent to the TSC at the time they are distributed to the working group for PR consideration.]

6.2.3.1 BSR ES1.2, Event Safety – Event Planning, Management, & Major Incident

[See BSR_ES1-2_PMI_ES2019-20011r2.pdf]

The ESWG may approve PR1 comment resolutions, then approve a subsequent (2nd) public review.

6.2.3.2 BSR ES1.5, Event Safety – Medical Preparedness

[See BSR_ES1-5_Medical_ES2021-20010r3a.pdf]

The ESWG may approve PR2 comment resolutions, then approve a subsequent (3rd) public review.

6.2.3.3 BSR E1.42, Safety Standard for Entertainment Lifts

[See BSR_E1-42_202x_SL2022-10011r2.pdf]

The Stage Machinery Working Group approved PR1 comment resolutions, and a subsequent (2nd) public review.

6.2.3.4 BSR E1.76, Tension Wire Grids

[See BSR_E1-76_2022r6.pdf]

The Floors Working Group approved PR3 comment resolutions, and a subsequent (4th) public review.

6.2.3.5 BSR E1.64, Stage Machinery Control

[See BSR_E1.64-202x_SL2023-10002r1.pdf]

The Stage Machinery Working Group approved PR1 comment resolutions and a revised draft for (2nd) public review.

6.2.3.6 BSR E1.71, Powered Curtain Machines

[See BSR_E1-71_202x_2022-10006r3.pdf]

The Stage Machinery Working Group approved PR3 comment resolutions and a revised draft for (4th) public review.

6.2.5 CEN collaboration

[This was previously listed as DIN collaboration]

Richard Nix reported that the committee has been applied for is a CEN committee, TC 433. His application is being voted on with the ballot to close in the middle of August. There is no known opposition. After that vote, the application goes to the main “BOCC” committee for final approval.

6.2.6 UL and NFPA representation

Karl reported. He said he thinks the TSP needs to replace him. He doesn't know how much longer he will do this. Jerry Gorrell said Karl is also his USITT alternate on Life Safety 101 Assembly Occupancy. Karl said he represents ESTA on NFPA 1126 as Larry Schoeneman's Alternate.

Karl said he is less concerned about UL because every committee he is on also has other highly qualified people from ESTA (Steve Terry, Mitch Hefter).

7 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, saying that the CPWG voted in 8 new members this cycle, for a total of 20 new members this year. He's also happy to report that Dietmar Rottinghaus and Florian Burtscher – new members from Nuetrik, in Germany – attended the meeting. Dietmar wins the award for farthest distance traveled to attend this meeting, in-person.

8.1.2 Electrical Power

Mitch Hefter reported. They have two active projects, one is the 19-pin connector pinout assignments, the other is the new Canadian project. Both are making progress, he said, and they had great discussion about the 19-pin connector pinout project during their recent meeting.

8.1.3 Floors

Jerry Gorrell reported, the Tension Grid draft is going out for review. Nothing else.

8.1.4 Fog and Smoke

Karl reported, the TSC approved E1.23 for public review today.

8.1.5 Followspot Positions

No meeting.

8.1.6 Photometrics

Jerry Gorrell reported, it was a quiet meeting because there is nothing happening at this time.

8.1.7 Rigging

Bill Sapsis reported. The TSC approved public reviews today. The recent meeting was productive, but they have one project languishing (E1.70), with no action since 2020. Bill said he gave the task group a deadline of the next meeting to deliver either a draft or a viable plan, or the working group will take necessary action by replacing the task group, or dropping the project.

8.1.8 Stage machinery

Richard Nix reported. They had a great meeting with three drafts approved for public review.

8.1.9 Event Safety

Richard Nix reported that they had one of their most productive meetings ever, yesterday.

8.1.10 Weapons Safety

Richard reported that they had their third meeting. They now have task groups that are meeting, with much of the current work being fine-tuning of scope definition, and dividing the larger scope into manageable parts. Karl Ruling added that there seems to be an endless list of problems, so they are narrowing down which problems are easiest to solve.

8.2 Reports of affiliated organizations

8.2.1 ASTC

Andy Gibb reported, there is nothing new to report, except that the Society is about to celebrate its 40th anniversary in New York, this coming October.

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 03-05 October meetings, nothing really Interesting there, although there is lots of talk about remote dampers in ventilation systems.

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

Karl Ruling said there is no news, because there is nothing happening that he's worried about.

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

Jerry Gorrell reported nothing new to report.

8.2.3.4 NEC (NFPA 70)

Mitch Hefter reported. Public proposal period open until 05 September. Panel 15 meetings overlap with NAMM. They will be only face-to-face, without remote access.

8.2.3.5 NFPA 70E

Jerry Gorrell said nothing new to report. They keep rearranging the standard, but not much substantively changes.

8.2.4 USITT

Mitch reported. It's now a new fiscal year. Proposals for next year's USITT conference are being accepted until tonight.

8.2.5 ICC

Richard Nix reported. The IBC proposals favorable to us were incorporated into the 2024 IBC. Work has begun on the 2027 code cycle, which will coordinate the IFC requirements with the new IBC requirements. He attended the kickoff meeting of the ASCE 7 wind loads on structures committee this past Wednesday. He represents us on the committee as a voting member.

8.2.6 IES

8.2.7 UL

Karl Ruling said there was no news from him. Mitch Hefter said that there is work with UL 924, emergency lighting systems. He and his colleagues are trying to coordinate UL 924 with the requirements of the NEC. He and Steve Terry are keeping a close watch on it.

8.2.8 ASSP

Jerry Gorrell said there is nothing to report.

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.

Erin Grabe reported. The last three certificates from the 2022 awards were issued at the ESWG and SMWG meetings this cycle, because the recipients (Chris Schmidt, Jesse Adams, Dominic Housiaux) were in attendance. The awards will be announced in Protocol.

9.2 Lifetime Technical Achievement Award

Erin Grabe said we'd not given this award in several years. We have in the past awarded them at the New World Rigging Symposium, or at the AGM when it's held in conjunction with the USITT Conference. She said the nominations come out of this committee.

9.3 Volunteer of the Year Award

Erin reported, we have not given this – or the Swan Award – in several years.

9.4 Swan Award

10 Schedule for future meetings

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

The Fall 2023 meetings will be held during the week of 02 October, back here in Westlake, TX. The Winter meetings will be held in conjunction with the NAMM Show 2023, in Anaheim, CA during the week of 22 January 2023.

Erin Grabe added that the Spring meetings will be in conjunction with USITT in Seattle, next March, and the Summer meetings will be co-located with NATEAC 13-15 July in New York City (ESTA meetings will likely be held the 10th-12th). We'll probably be back here, in Westlake, in October of 2024.

11 Adjournment

The agenda business having been completed, with no further business brought forth, Mike Garl thanked everyone again, then declared the meeting adjourned at 09:53.

Technical Standards Council Members as of 23 July 2023

Name	Representing	Status
Matthew Antonucci	Contract Services Administration Trust Fund	A
Justin Bennett	USITT	A
Harry Box	PERG	O
Mike Garl	Mike Garl Consulting LLC	P
William Gillett	Walt Disney Company	A
Jerry Gorrell	USITT	P
Mitch Hefter	Mitch Hefter	P
Edwin S. Kramer	I.A.T.S.E. Local 1	P
Michael Lay	Candela Controls, Inc	P
David E. Miller	Walt Disney Company	P
D. Andrew Gibbs, Ph.D.	Amer. Society of Theatre Consultants	P
Eddie Raymond	IATSE Local 16	O
Alan M. Rowe	I.A.T.S.E. Local 728	P
Bill Sapsis	Sapsis Rigging, Inc.	P
Mike Skinner	Contract Services Administration Trust Fund	P
Keith Sklar	Actors' Equity Association	P
Todd Spencer	ESTA President	P
Steve Terry	Electronic Theatre Controls, Inc.	P
R. Duane Wilson	Amer. Society of Theatre Consultants	A