

Minutes
Technical Standards Council
Tuesday 24 January 2023
WebEx only

Chairpersons:

Mike Garl; Mike Garl Consulting, LLC; P

Recording Secretaries:

Karl Ruling and Richard Nix (ESTA)

Attendees:

Justin Bennett; USITT; A
William Gillett; Walt Disney Company; A
Jerry Gorrell; USITT; P
Erin Grabe; ESTA; exf
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
Stephen G. Surratt; Texas Scenic Company; exf
Steve Terry; Electronic Theatre Controls, Inc.; P
R. Duane Wilson; Amer. Society of Theatre Consultants; A

1 Opening Remarks

Mike Garl called the meeting to order at 11:06, welcoming everyone to the meeting, and thanking them for taking time to attend. He hopes everyone continues to be healthy and well. He reminded everyone to mute microphones when not speaking.

2 Attendance and membership

2.1 Taking attendance and introductions

Everyone introduced themselves.

2.2 Welcome to visitors

2.3 Call for quorum

A quorum is eight or more voters present.

Mike Garl confirmed that a quorum is present.

2.4 Consensus body

The consensus body, before today's meeting actions, 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

Name	Company or representation	Voting status
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

3 Approval of minutes from the previous meeting

[See TSCmin09-2022_DRAFT.pdf]

Steve Terry moved to approve the minutes. The motion was seconded, and carried without objection 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 held up the pamphlet for all to see.

4.2 Reading of the call for patents

Mike Garl shall 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.

No notifications were given.

5 Approval of agenda

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

6 Old Business and standing reports

6.1 Financial reports

Erin Grabe said no financials were distributed, because they are still in progress in anticipation of the upcoming board meeting. They'll be distributed when available.

Steve Terry asked if the financial state was similar to, or changed from, the last meeting's report. Erin said no, 2022 was not a good year – it is roughly 50% worse than reported at the last meeting. She explained several reasons why: The 5-year “Save the TSP” pledges have run out; ProSight no longer contributes to standards distribution; other pledges are dropping.

Steve Terry asked what the near- or mid-term plans were to change this. Erin said that there are a few plans being discussed: one of them includes approaching high-profile artists, another is to ask large entities who benefit from our standards to make higher-dollar contributions to the program.

Steve Terry asked Erin Grabe to establish a narrow-focus task group to work on this, drawing from the TSP, and from ESTA's board. Erin said she will do this. Steve Terry volunteered to participate on the task group, suggesting that it should be six people or fewer.

6.1.1 Treasurer's Report and Status of Contributions and Pledges

6.1.2 TSP Fundraising

6.1.3 Accounting of TSP documents sold and downloaded

[See *SalesReportforTSC_01-2023.pdf*]

6.2 Old Business

6.2.1 Technical Standards Program project report

[See *TSP Project Status Summary_01-2023.pdf*]

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 ES1.17 – 202x, Event Safety – Electrical & Lighting

[see *BSR_ES1-17_ES2018-20001r1.pdf*]

The working group may approve the latest draft revision for its first public review. If so, the TSC must also vote on the motion.

Eddie Kramer moved to offer it for public review. The motion was seconded. Steve Terry asked if this document is the revised version. Richard Nix answered that it is substantially revised from the last version. Richard said that he expects it will get public review comments, and that it is a much better document now.

Name	Company or representation	Voting status	Vote
Keith Sklar	Actors' Equity	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	
Mike Skinner	Contract Services Administration Trust Fund	A	Y
Steve Terry	Electronic Theatre Controls, Inc.	P	Y
Todd Spencer	ESTA President	P	Not present

Name	Company or representation	Voting status	Vote
Edwin S. Kramer	I.A.T.S.E. Local 1	P	Y
Alan M. Rowe	I.A.T.S.E. Local 728	P	Not present
Mike Garl	Mike Garl Consulting LLC	P	Y
Mitch Hefter	Mitch Hefter	P	Y
Bill Sapsis	Sapsis Rigging, Inc.	P	Y
Jerry Gorrell	USITT	P	Y
Justin Bennett	USITT	A	
David E. Miller	Walt Disney Company	P	
William Gillett	Walt Disney Company	A	Y
	Total votes possible	13	11

Eddie Kramer moved to approve the first public review. The motion was seconded. Steve Terry asked if the document has changed from what was seen last time. Richard Nix confirmed that the r1 version was significantly changed from the prior version. The motion carried with 11 affirmative votes, and no objections or abstentions.

6.2.2.1.2 BSR ES1.2 – 202x, Event Safety – Planning, Management & Major Incident

[see BSR_ES1-2_PMI_ES2019-20011r1.pdf]

The working group may approve the latest draft revision for its first public review. If so, the TSC must also vote on the motion.

The document was sent the previous day. There were objections to voting on it at this meeting, so the TSC consensus was to vote by letter ballot.

6.2.2.2 Withdrawals or abandonments

The ESWG may consider whether to abandon their Drones project, or file a PINS extension with ANSI – the project has not been active since its inception, and the 5-year mark arrives in November of this year.

Richard Nix said that they had voted to keep this active, and that he had confirmed with ANSI that no PINS extension was required, because there is no published standard yet. Karl Ruling said he thought that they might be working on it soon, because changes in FAA rules and more use applications are now starting to impact the ESWG members.

6.2.2.3 Accept as ANS

6.2.2.4 Reaffirmations

6.2.2.4.1 ANSI E1.9 – 2007, Reporting Photometric Performance Data for Luminaires Used in Entertainment Lighting

Karl Ruling reported that the public review and letter ballot to reaffirm netted no comments or objections, and that the working group had voted to approve reaffirmation. He will send out a TSC letter ballot on the motion soon.

6.2.2.4.2 ANSI E1.25 – 2012, Recommended Basic Conditions For Measuring The Photometric Output Of Stage And Studio Luminaires By Measuring Illumination Levels Produced On A Planar Surface

Karl Ruling reported that the public review and letter ballot to reaffirm netted no comments or objections, and that the working group had voted to approve reaffirmation. He will send out a TSC letter ballot on the motion soon.

6.2.2.5 New project requests

7 New business

7.1 Discontinuation of task group email reflector maintenance

Steve Terry noted what he referred to as an excruciatingly painful discussion about this topic in CPWG. This is a hot topic in at least one working group. Michael Lay said he felt like the CPWG discussion had resulted in an amenable compromise, and that Maya Nigrosh was going to investigate some other possible alternatives.

7.2 P&P revisions

[See *Proposed P&P change summary 01-2023.pdf*]

Richard Nix has proposed another set of changes, most of which arose out of anomalies discovered while setting up the new Weapons Safety Working Group.

Richard Nix asked if there were questions about the change summary that was distributed. Steve Terry moved to approve the changes as submitted. The motion was seconded, and carried without objection or abstention. Richard will submit the changes to ANSI.

7.3 DIN collaboration

[See *TCC 433 and ESTA.pdf*]

The email responds to a previous inquiry about how to access and comment on DIN public review documents, particularly when there is a shared interest between ESTA and DIN draft standards.

Steve Terry questioned the perhaps unequal voting status between DIN and TSP. He thinks cooperation will be good. Richard Nix said that a significant benefit is being able to access and comment on public review documents easier, facilitating harmonization between topics with which the two groups share common interests.

Bill Sapsis moved to approve an Observer membership. The motion was seconded and carried without objection or abstention.

Bill Sapsis moved to extend a formal invitation to participate as an Observer, and for Richard Nix to write an exciting letter of invitation, welcoming DIN to join the appropriate working groups as an Observer member. The motion was seconded and carried without objection or abstention.

Richard Nix asked if the TSC wants to consider who would represent ESTA. Steve Terry suggested that the bulk of documents we might be interested in are likely to be of interest to RWG. Richard Nix was appointed as the ESTA representative to DIN TCC-433.

7.4 Other new business

7.4.1 UL and NFPA representation

Karl Ruling currently represents ESTA on these UL STPs:

*1088 – Technical Committee for Temporary Lighting Strings
1419 – Professional Video and Audio Equipment
1573 – Stage and Studio Luminaires and Connector Strips
1577 – Optical Isolators
1640 – Portable Power-Distribution Equipment and Devices
1691 – Single-Pole Connectors
8750 – Solid State and Light Emitting Diode (LED) Lighting*

He participates on these NFPA committees:

*SPE-AAA: NFPA 1126 (Pyro), and NFPA 160 (Flame Effects) – ESTA, Larry Schoeneman's Alternate
BLD-AXM: NFPA 5000 (Building Code), and SAF-AXM: 101 Life Safety Code, and 102 Grandstands - USITT*

Karl said he thinks UL 1088 is not so important to us. Richard Nix asked about 1419, Karl explained that it covers a wide gamut of AV-type equipment.

Steve Terry said he is already on the UL 1691 committee, that it is critically important for us to maintain representation on UL 8750, and that we should be judicious about who the new representatives might be on any of the UL STPs.

Karl Ruling said that he had been discussing the NFPA committees with Jerry Gorrell. He said that ESTA needs a replacement for him, and possibly for Larry Schoeneman. Jerry Gorrell said that he had been in discussions with the Engineering Commission Chairperson regarding the USITT representations, and they are prepared to fill vacancies.

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 last CPWG meeting. They have three new members thirteen active projects. They decided to add one more day to Plugfest this year.

8.1.2 Electrical Power

Mitch Hefter reported they had no meeting during this cycle, but are scheduled to meet during NAMM.

8.1.3 Floors

Jerry Gorrell reported. He said there are possible IP issues with the current Tension Wire Grid draft, which he thought would be addressed in accordance with the P&P.

8.1.4 Fog and Smoke

Karl Ruling reported. They will develop a summary document for E1.23.

8.1.5 Followspot Positions

ANSI E1.28 (Followspot Positions Guidance) is published!

8.1.6 Photometrics

Jerry Gorrell reported. They have a few potential scheduling issues, and may cancel the NAMM meeting.

8.1.7 Rigging

Bill Sapsis reported, reporting a scintillating discussion about ANSI E1.8, the loudspeaker enclosure standard. He also recapped the E1.4-2 discussion about forged turnbuckles. No action was required because there is a document section that permits use of alternate materials with approval by a qualified person.

8.1.8 Stage machinery

8.1.9 Event Safety

ANSI ES1.18 (Rigging) is published!

8.2 Reports of affiliated organizations

8.2.1 ASTC

Duane Wilson reported, ASTC celebrates 40 years this year.

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 said there is nothing really exciting happening right now, ballots are still open, but they deal with topics of no importance to us.

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

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

Jerry Gorrell said there is nothing happening right now, unless new NITMANs are submitted.

8.2.3.4 NEC (NFPA 70)

Mitch Hefter reported that it's open for public input through September 7. Steve Terry noted prior discussions about possibility of adding ESTA representation to other committees; this would be to our advantage. Mike Garl directed those who are interested in serving to contact Steve Terry.

8.2.3.5 NFPA 70E

Jerry Gorrell reported there is nothing newsworthy at this time.

8.2.4 USITT

Mitch Hefter reported, conference upcoming in March, search for Exec Director continues.

Justin Bennett announced that Mike Wood will receive a distinguished achievement award at the conference, which will be presented in a discussion format, highlighting his achievements. Justin Bennett said that anyone who might be interested in contributing content to the awards discussion to please contact him.

Erin Grabe reported that ESTA's AGM will be held at the USITT Conference.

8.2.5 ICC

8.2.6 IES

Mitch Hefter reported that the lighting controls committee plans to meet on the next day.

8.2.7 UL

8.2.8 ASSP

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.

9.2 Lifetime Technical Achievement Award

Erin Grabe solicited for nominations from the TSC.

9.3 Volunteer of the Year Award

9.4 Swan Award

10 Schedule for future meetings

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

The Spring 2023 meetings will be in Anaheim, CA., in conjunction with the NAMM Show 2023, week of 10 April 2023; Summer 2023, week of 24 July, back in Westlake, TX; Fall 2023 week of 02 October in Westlake.

11 Adjournment

The agenda's business being completed, Mike Garl adjourned the meeting at 12:19.

Technical Standards Council members

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