

Minutes
Stage Machinery Working Group
Monday, 16 January 2023 11:00-14:00 Eastern Time
via WebEx only

Chairpersons:

Dan Culhane; Wenger Corp; P; MP (presiding)
Joe Jeremy; Show Distribution Group, Inc.; P; CP

Recording secretaries:

Karl Ruling and Richard Nix (ESTA)

Attendees:

Harry Beauregard; Creative Conners, Inc.; A; MP
Drew Becker; InterAmerica Stage, Inc.; A; CP
Paul Brunner; Thern, Inc.; P; MP
Dan Culhane; Wenger Corp.; P; MP
Bruce Darden; InterAmerica Stage, Inc.; P; CP
Robert Dean; ZFX, Inc.; P; CP
Nathan Dye; Texas Scenic Company; P; CP
Robert Haycock; Robert Haycock; O; U
Joseph Jeremy; Show Distribution Group, Inc.; P; CP
Matt Jordan; Production Resource Group; A; CP
Edwin S. Kramer; 1501; O; U
Dan Lisowski; University of Wisconsin - Madison; P; U
Cole Muth; Electronic Theatre Controls, Inc.; P; MP
Reid Neslage; Texas Scenic Company; A; MP
Richard J. Nix; Richard J. Nix; I; G
Richard J. Nix; ESTA; exf; G
Karl G. Ruling; ESTA; exf; G
Peter A. Scheu; Amer. Society of Theatre Consultants; P; DE
Steven Serafin; The Hartford Group; P; G
Michael Wade; Creative Conners, Inc.; A; MP
Steve Walker; Steve A. Walker & Associates; P; DE

1 Opening Remarks

Dan Culhane called the meeting to order at 11:06, thanking everyone present for taking time from their busy schedules to attend, and help us move our agenda forward.

2 Patent and anti-trust statements

2.1 Reading of the anti-trust statement

Dan Culhane 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, in front of his camera, for all present to see.

2.2 Reading of the call for patents

Dan Culhane 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 Membership

3.1 Requirements for membership

Dan Culhane read the following statement aloud to the assembly.

Membership is open to all parties who are affected by the work of the group; membership in ESTA is not a requirement, but there is a \$100/person/year participation fee to help fund the costs of running the Technical Standards Program. Voting members are required to attend meetings and vote on letter ballots. Any principal member and alternate that both miss three consecutive meetings or that miss three consecutive letter ballots will have their membership status changed to observer. This action will be taken at the beginning of the first meeting after such inaction and will be recorded in the minutes of that meeting.

3.2 Introduction of attendees

Everyone present introduced themselves.

3.3 Determination of a quorum

There are presently 25 possible votes. A quorum is 9, a supermajority is 13.

Richard Nix confirmed that both requirements have been met.

3.4 Processing of new membership and status change requests

As of today's meeting, the following applications and status change requests have been received:

*Harry Beauregard; Creative Conners, Inc; A; MP [new application]
Marco Robles; I.A.T.S.E. Local 80; P; U [new application, not present, Observer]
Dan Lisowski; University of Wisconsin; P; U [Status change request]*

Eddie Kramer moved to approve the applications of those present as submitted or requested, and of those not present as Observer. The motion was seconded and carried without objection or abstention.

3.5 Changes to observer status

3.5.1 Changes due to attendance

The following voters have missed two consecutive meetings. If they are not in attendance today, their representation status will be changed to Observer.

*Christopher B. Tilton; About the Stage. LLC; P; DE
Troy Atkinson; Production Resource Group; P; CP
Matt Jordan; Production Resource Group; A; CP*

Chris Tilton was not present, so his status was changed. Matt Jordan was present on behalf of Production Resource Group.

3.5.2 Changes due to missed letter ballots

There are none.

3.5.3 Automatic status changes

There are none.

3.6 Consensus body

The table below shows the full consensus voting body after all changes effected by this meeting's actions.

Name	Representing	Status	Int Cat
Peter A. Scheu	Amer. Society of Theatre Consultants	P	DE
R. Duane Wilson	Amer. Society of Theatre Consultants	A	DE
Ben Clark	Ben Clark	I	U
Mike Brubaker	CM Buck & Associates	P	DR
Gareth Conner	Creative Conners, Inc.	P	MP
Harry Beauregard	Creative Conners, Inc.	A	MP
Michael Wade	Creative Conners, Inc.	A	MP
Cole Muth	Electronic Theatre Controls, Inc.	P	MP
Joe Golden	Gallagher Staging & Productions	P	DR
Bruce Darden	InterAmerica Stage, Inc.	P	CP
Drew Becker	InterAmerica Stage, Inc.	A	CP
Jeremy Hodgson	Jeremy Hodgson	I	G
Troy Atkinson	Production Resource Group	P	CP
Matt Jordan	Production Resource Group	A	CP
Richard J. Nix	Richard J. Nix	I	G
Jesse Adams	Rose Brand Wipers, Inc	P	DR
Bruce Downer	SERAPID, Inc.	P	CP
Joseph Jeremy	Show Distribution Group, Inc.	P	CP
Bill McIntyre	Show Distribution Group, Inc.	A	CP
Sanford P. Gilzow	Shur-Rig, LLC	P	DR
Steve Walker	Steve A. Walker & Associates	P	DE
Julian Hoare	Tait Towers Manufacturing LLC	P	CP
Jim Love	Tait Towers Manufacturing LLC	A	CP
David Bond	Tait Towers Manufacturing LLC	A	CP
Nathan Dye	Texas Scenic Company	P	CP
Reid Neslage	Texas Scenic Company	A	CP
Steven Serafin	The Hartford Group	P	G
Michael Nishball	Theatre Projects Consultants, Inc.	P	DE
Jim Niesel	Theatre Projects Consultants, Inc.	A	DE

Jerry Gorrell	Theatre Safety Programs	P	G
Paul Brunner	Thern, Inc.	P	MP
Dan Lisowski	University of Wisconsin	P	U
Dan Culhane	Wenger Corp.	P	MP
Peter V. Svitavsky	Wenger Corp.	A	MP
Paul Zagajeski	Wenger Corp.	A	MP
Andrew Young	Andrew Young	I	U
Robert Dean	ZFX, Inc.	P	CP
Total possible votes:		25	
	Custom market producer (CP)	7	
	Designer (DE)	3	
	Dealer rental company (DR)	4	
	General interest (G)	4	
	Mass-market producer (MP)	4	
	User (U)	3	
Voting status key: P = Principal voter, A = Alternate voter, I = Individual voter			

4 Approval of the minutes from the last meeting

[See *SMmin09-2022_DRAFT.pdf*]

Joseph Jeremy moved to approve the minutes as submitted. The motion was seconded, and carried without objection or abstention.

5 Approval of agenda

Bruce Darden moved to approve the agenda. The motion was seconded and carried without objection or abstention.

6 Old Business

6.1 BSR E1.42-201x, stage and orchestra lifts

Steve Walker (leader), Jim Niesel (co-leader), Bruce Downer, Michael Nishball, Pete Svitavsky, and Chris Tilton
[See *BSR E1.42-202x_PR1 CmmntSmmry.pdf*]

The draft's first public review closed on 06 December 2022. The public review comment summary has been distributed.

Any updates or actions?

Steve Walker reported that they had received public review comments along with additional comments, outside of the review, from Robert Haycock. The task group will meet later this week to begin resolutions. He asked people to look at comment 19, consider those comments, and offer advice. It's about controls, and the larger working group may have more expertise on controls than the task group. Joseph Jeremy said that the intent of this comment is to bring the controls section more into line with the BSR E1.64 draft, in progress.

Dan Culhane asked people to take the request for consideration and advice on the comments seriously. This could shorten the development process by obviating a public review that nets only working group comments. Karl Ruling spoke about the importance of having these comments come from, and discussed within, the working group before the public review, rather than after or during. He said that it saves time for both ESTA and ANSI staff.

6.2 ANSI E1.44 – 2014, Common Show File Exchange Format for Entertainment Industry Automation Control Systems -- Stage Machinery (Reaffirm, revise or withdraw by 07 May 2024)

No report.

6.3 BSR E1.64, Stage Machinery Motion Control

Task group members are: Joe Jeremy (Chair), Jem Hodgson, Bruce Darden, Duane Wilson, David Bond, Nathan Dye, Julian Hoare, Bill McIntyre, John Ringelman.

Any updates?

Joe Jeremy reported they have been slowly working on the document, and have a meeting upcoming on the Thursday following this meeting. They hope to have a document ready for the working group to look at prior to the NAMM meetings. He removed Michael Shaw, Nils Becker, and Wendy Manson from the task group; Wendy Manson is no longer on the working group, and the others have not participated in task group meetings.

6.4 BSR E1.71 Curtain Machines

Jesse Adams (task group leader), Pete Svitavsky, Reid Neslage, Bruce Darden, Mike Brubaker, and Paul Brunner.

It will have completed its second public review, ending 26 December 2022, by the time the working group meets in January.

Any updates?

Bruce Darden reported, they are working on comment resolutions, and they plan to have a response to the public review comments prior to the April meeting. He also noted that Dan Brinker has resigned from the task group.

6.5 BSR E1.72 Floor Machines

Steve Serafin (Co-task group leader), Drew Becker (Co-task group leader), Steve Walker, Joe Champelli, Joe Golden, Paul Zagajeski, Duane Wilson, and Julian Hoare
[See BSR E1.72_PR1CmmntResols_Draft.pdf and BSR_E1.72-202x_2022-10001r3.pdf]

The PR1 proposed comment resolutions and a revised draft have been delivered to the working group for consideration. What's next?

Steve Serafin asked if anyone had comments on the version that had been distributed for this meeting. Dan Culhane and Dan Lisowski noted formatting issues in 1.2, 4.1, and 5.5.8. During discussion, Matt Jordan brought up several questions about wording in 5.3.4, 5.4.4.7, 5.5.2.3, 5.5.4, and 5.5.8. In addition, 29 CFR 1910.212 was added to the list of reference documents, and the reference to ANSI E1.47 was deleted.

After discussion, Steve Serafin moved to approve the comment resolutions. The motion was seconded, and carried without objection or abstention.

Steve Serafin then moved to send the latest revision out to another public review. The motion carried without objection or abstention. A BSR 8 will be filed with ANSI, and the public review will commence soon thereafter.

7 New business

8 Other business and announcements

8.1 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, and the award is designed for members to highlight the work of their

peers. The deadline for nominations is 01 November.

8.2 Other other business

8.2.1 Bruce Darden asked ESTA to observe all religious and legal holidays when planning meetings. He said he had to cancel other plans in order to attend today's meeting.

8.2.2 Bruce Darden reported that Mary Catherine Nelson had passed away recently. She and her husband, Sandy Gilzow, founded Shur-Rig LLC, a voting member of our working group.

8.2.3 Karl Ruling announced that Richard Nix is now the full-time Technical Standards Manager. He said that he is now the Senior Technical Standards Manager because he is older, and only works part-time.

9 Schedule for future meetings

The meeting schedule is posted at <http://www.esta.org/ESTA/meetings.php>. The Spring 2023 meetings will be held in Anaheim, CA, in conjunction with the NAMM Show, during the week of 10 April 2023. The Summer 2023 meetings will return to Westlake, TX the week of 24 July 2023.

Richard Nix said that any task group leaders who want meeting space should coordinate with Laura Hoepker, ASAP.

10 Adjournment

The agenda's business being completed, there being no further business brought forth, Dan Culhane adjourned the meeting at 12:36 PM

Stage Machinery Working Group members as of 16 January 2023

Name	Representing	Status	Int cat
Jesse Adams	Rose Brand Wipers, Inc	P	DR
Troy Atkinson	Production Resource Group	P	CP
Harry Beauregard	Creative Conners, Inc.	A	MP
Nils Becker	Electronic Theatre Controls, Inc.	O	MP
Drew Becker	InterAmerica Stage, Inc.	A	CP
Justin Bennett	University of the Incarnate Word	O	U
Daniel Brinker	USITT	O	G
Mike Brubaker	CM Buck Associates	P	DR
Paul Brunner	Thern, Inc.	P	MP
Joseph Champelli	Entertainment Project Services, LLC	O	CP
Ben Clark	Ben Clark	I	U
Gareth Conner	Creative Conners, Inc.	P	MP
Dan Culhane	Wenger Corp.	P	MP
Bruce Darden	InterAmerica Stage, Inc.	P	CP
Robert Dean	ZFX, Inc.	P	CP
Jim Digby	Event Safety Alliance	O	U
Bruce Downer	SERAPID, Inc.	P	CP
Nathan Dye	Texas Scenic Company	P	CP
Joshua "Fritz" Friedensohn	Entertainment Project Services, LLC	O	CP
Sanford P. Gilzow	Shur-Rig LLC	P	DR
Joe Golden	Gallagher Staging & Productions	P	DR
Tiny Good	Showtech Australia	O	U
Jerry Gorrell	Theatre Safety Programs	P	G
Robert Haycock	Robert Haycock	O	U
Phil Heid	Creative Stage Lighting Co., Inc.	O	DR
Julian Hoare	Tait Towers Manufacturing LLC	P	CP
Jeremy Hodgson	Jeremy Hodgson	I	G
Joseph Jeremy	Show Distribution Group, Inc.	P	CP
Matt Jordan	Production Resource Group	A	CP
Edwin S. Kramer	1501	O	U
Dan Lisowski	University of Wisconsin - Madison	P	U
Jim Love	Tait Towers Manufacturing LLC	A	CP
Wendy Manson	Wendy Manson	O	G
Bill McIntyre	Show Distribution Group, Inc.	A	CP
Rick Montgomery	Motion Laboratories, Inc.	O	MP
Cole Muth	Electronic Theatre Controls, Inc.	P	MP

Stage Machinery Working Group members as of 16 January 2023

Reid Neslage	Texas Scenic Company	A	MP
Jim Niesel	Theatre Projects Consultants, Inc.	A	DE
Michael Nishball	Theatre Projects Consultants, Inc.	P	DE
Richard J. Nix	Richard J. Nix	I	G
Kurt Pragman	Pragman Associates, LLC	O	G
Marco Robles	I.A.T.S.E. Local 80	wtg	U
Eric Rouse	Entertainment Project Services, LLC	O	CP
Peter A. Scheu	Amer. Society of Theatre Consultants	P	DE
Steven Serafin	The Hartford Group	P	G
Michael Shaw	Motion Laboratories, Inc.	O	MP
Zachary Stevenson	University of North Carolina School of the Arts	O	U
Peter V. Svitavsky	Wenger Corp.	A	MP
Kevin Taylor	Tait Towers Manufacturing LLC	O	CP
Christopher B. Tilton	About the Stage, LLC	O	DE
Michael Wade	Creative Conners, Inc.	A	MP
Steve Walker	Steve A. Walker & Associates	P	DE
R. Duane Wilson	Amer. Society of Theatre Consultants	A	DE
Jeong Sik Yoo	Ghost LX	O	DE
Andrew Young	Andrew Young	I	U
Paul Zagajeski	Wenger Corp.	A	MP