

**Minutes**  
**Stage Machinery Working Group**  
Friday, 30 July 2021 15:00 – 17:00 EDT  
via WebEx

**Chairpersons:**

Joe Jeremy; Show Distribution; (presiding)

**Recording secretaries:**

Karl Ruling & Richard Nix (ESTA)

**Attendees:**

Bruce Darden; InterAmerica Stage, Inc.; P; CP  
Bruce Downer; SERAPID, Inc.; P; CP  
Drew Becker; InterAmerica Stage, Inc.; A; CP  
Jeremy Hodgson; Jeremy Hodgson; I; G  
Jerry Gorrell; Theatre Safety Programs; P; G  
Joe Golden; Gallagher Staging & Productions; P; DR  
Joseph Jeremy; Show Distribution Group, Inc.; P; CP  
Michael Wade; Creative Connors, Inc.; A; MP  
Michael Shaw; Motion Laboratories, Inc.; P; MP  
Mike Brubaker; CM Buck Associates; P; DR  
Nathan Dye; Texas Scenic Company; P; CP  
Paul Zagajeski; Wenger Corp.; A; MP  
R. Duane Wilson; Amer. Society of Theatre Consultants; A; DE  
Richard J. Nix; Richard J. Nix; I; G  
Robert Dean; ZFX, Inc.; P; CP  
Sanford P. Gilzow; Shur-Rig LLC; P; DR  
Steve Walker; Steve A. Walker & Associates; P; DE

**1 Opening Remarks**

Joe Jeremy called the meeting to order at 15:06, thanking everyone for their attendance, and for the time spent working on our projects.

**2 Patent and anti-trust statements**

**2.1 Reading of the anti-trust statement**

*Joe Jeremy 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 paper copy of the pamphlet, for all video enabled attendees to see. Joe Jeremy noted that a digital version of the pamphlet also exists.

**2.2 Reading of the call for patents**

*Joe Jeremy 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.

Nothing was revealed.

### **3 Attendance and Membership**

#### **3.1 Requirements for membership**

Joe Jeremy shall 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**

#### **3.3 Determination of a quorum**

*There are 27 possible votes. A quorum is 9, a supermajority is 14.*

Richard Nix verified that the requirements for both a quorum and a supermajority 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 had been received:*

*There are none.*

#### **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.

*Entertainment Project Services;  
Joseph Champelli; Eric Rouse; Joshua "Fritz" Friedensohn*

None were present, so their status was changed to Observer, accordingly.

##### **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 during the meeting.

<b>Name</b>	<b>Representing</b>	<b>Status</b>	<b>Int Cat</b>
Christopher B. Tilton	About the Stage, LLC	P	DE
Peter A. Scheu	Amer. Society of Theatre Consultants	P	DE
R. Duane Wilson	Amer. Society of Theatre Consultants	A	DE
Andrew Young	Andrew Young	I	U
Mike Brubaker	CM Buck Associates	P	DR
Gareth Conner	Creative Conners, Inc.	P	MP
Michael Wade	Creative Conners, Inc.	A	MP
Joe Golden	Gallagher Staging	P	DR
Reid Neslage	H & H Specialties, Inc.	P	MP
Bruce Darden	InterAmerica Stage, Inc.	P	CP
Drew Becker	InterAmerica Stage, Inc.	A	CP
Jeremy Hodgson	Jeremy Hodgson	I	G
Michael Shaw	Motion Laboratories, Inc.	P	MP
Rick Montgomery	Motion Laboratories, Inc.	A	MP
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
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 Brinker	U.S.I.T.T	P	G
Dan Culhane	Wenger Corp.	P	MP
Peter V. Svitavsky	Wenger Corp.	A	MP
Paul Zagajeski	Wenger Corp.	A	MP

Name	Representing	Status	Int Cat
Robert Dean	ZFX, Inc.	P	CP
<b>Total possible votes:</b>		<b>25</b>	
	Custom market producer (CP)	6	
	Designer (DE)	4	
	Dealer rental company (DR)	4	
	General interest (G)	5	
	Mass-market producer (MP)	5	
	User (U)	1	
<b>Voting status key: P = Principal voter, A = Alternate voter, I = Individual voter</b>			

#### 4 Approval of the minutes from the last meeting

[See SMmin04-2021\_DRAFT.pdf]

Sandy Gilzow moved to approve the minutes. The motion was seconded and carried without objection or abstentions.

#### 5 Approval of agenda

Sandy Gilzow moved to approve the minutes. The motion was seconded and carried without objection or abstentions.

#### 6 Old Business

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

Steve Walker (leader), Jim Niesel (co-leader), Michael Nishball, Pete Svitavsky, and Chris Tilton

*Any news or updates?*

Steve Walker reported no progress, due to work schedules interfering. He will continue to try to get everyone together.

##### 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)

##### 6.3 BSR E1.64, Stage Machinery Motion Control

Task group members are: Joe Jeremy (Chair), Michael Shaw, Jem Hodgson, Wendy Manson, Gareth Conner, Bruce Darden, Nils Becker, Duane Wilson, David Bond, Nathan Dye, Julian Hoare, Bill McIntyre, John Ringelman.

*Any news or updates?*

Joe Jeremy said that he has gotten the draft rigging standards a step further, so now has bandwidth to dedicate some time to start revising this document. They find that an interesting concept is the many curtain machines are actually actuated by remote Crestron or similar building management systems, and the operator has no way to stop the curtain operation. They have been discussing various hazard classifications as a method of mitigation.

##### 6.4 BSR E1.71 Curtain Machines

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

*Any news or updates?*

Bruce Darden reported that they have had about 12 or 13 meetings, and quite a bit of the document has taken shape. Joe Jeremy asked if there was any projection of deliverable, Bruce replied that he thought it might be possible to see something in time for the next meeting.

#### **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*

*Any news or updates?*

Steve Serafin reported that they have been working intermittently on the draft, as recently as this week, and Steve Walker is currently restructuring the document in preparation of another round of regularly scheduled task group meetings, with the hope of returning a document for internal working group review at the next meeting.

### **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](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.*

#### **9 Schedule for future meetings**

*The meeting schedule is normally posted at <http://www.esta.org/ESTA/meetings.php>. It is not yet posted, but meetings are expected to occur sometime within the time frame of the last week in September through the first week in October.*

Richard Nix said that the next meetings will be virtual, and are tentatively scheduled for the last week in September, but we should plan on face-to-face meetings again, in January 2022 at the NAMM Show.

### **10 Adjournment**

The agenda's business being completed, and there being no further business brought forth, Joe Jeremy declared the meeting adjourned at 15:24.

Stage Machinery Working Group members as of 30 July 2021

---

<b>Name</b>	<b>Representing</b>	<b>Status</b>	<b>Int Cat</b>
Jesse Adams	Rose Brand Wipers, Inc	P	DR
Troy Atkinson	Production Resource Group	P	CP
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	P	G
Mike Brubaker	CM Buck Associates	P	DR
Paul Brunner	Thern, Inc.	P	MP
Joseph Champelli	Entertainment Project Services, LLC	P	CP
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	A	CP
Sanford P. Gilzow	Shur-Rig LLC	P	DR
Joe Golden	Gallagher Staging & Productions	P	DR
Jerry Gorrell	Theatre Safety Programs	P	G
Robert Haycock	UC Berkeley	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	O	U
Jim Love	Tait Towers Manufacturing LLC	A	CP
Wendy Manson	Wendy Manson	O	G
Bill McIntyre	Show Distribution Group, Inc.	A	CP

Stage Machinery Working Group members as of 30 July 2021

---

<b>Name</b>	<b>Representing</b>	<b>Status</b>	<b>Int Cat</b>
Rick Montgomery	Motion Laboratories, Inc.	A	MP
Reid Neslage	H & H Specialties Inc.	P	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
Eric Rouse	Entertainment Project Services, LLC	A	CP
Peter A. Scheu	Amer. Society of Theatre Consultants	P	DE
Steven Serafin	The Hartford Group	P	G
Michael Shaw	Motion Laboratories, Inc.	P	MP
Zachary Stevenson	University of North Carolina School of the Arts	O	U
Peter V. Svitavsky	Wenger Corp.	A	MP
Christopher B. Tilton	About the Stage, LLC	P	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