

**Minutes**  
**Stage Machinery Working Group**  
Thursday, 21 March 2019  
Hyatt Regency Louisville  
Louisville, KY

**Chairperson(s):**

Joe Jeremy; Show Distribution Group, Inc; P; CP (presiding)

**Recording Secretaries:**

Karl Ruling and Richard Nix; ESTA

**Attendees:**

Jesse Adams; Rose Brand Wipers, Inc; P; DR  
Nils Becker; Electronic Theatre Controls, Inc.; P; 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  
Bruce Darden; InterAmerica Stage, Inc.; P; CP  
Bruce Downer; SERAPID, Inc.; P; CP  
Jerry Gorrell; Theatre Safety Programs; P; G  
Steve Hnath; Creative Conners, Inc.; A; MP  
Jeremy Hodgson; Cirque Du Soleil, Inc.; P; U  
Joseph Jeremy; Show Distribution Group, Inc.; P; CP  
Dan Lisowski; University of Wisconsin - Madison; P; U  
Jim Love; Tait Towers Manufacturing LLC; P; CP  
Rick Montgomery; Motion Laboratories, Inc.; P; MP  
Peter A. Scheu; Amer. Society of Theatre Consultants; P; DE  
Steven Serafin; Chubb Group of Insurance Companies; R; G  
Zachary Stevenson; University of North Carolina School of the Arts; P; U  
Christopher B. Tilton; About the Stage, LLC; P; DE  
Steve Walker; Steve A. Walker & Associates; P; DE  
R. Duane Wilson; Amer. Society of Theatre Consultants; A; DE  
Andrew Young; Andrew Young; I; U

**Visitors:**

Paul Zagajeski; Wenger Corp. (requested WG application)

**1 Opening Remarks**

Joe Jeremy called the meeting to order at 14:07, welcoming everyone to the meeting. He introduced himself to those who did not already know him, and said that Dan Culhane sends his regrets for not being able to attend today.

**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 printed copy of the guide.

## **2.2 Reading of the call for patents**

Joe Jeremy 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 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 currently 21 votes possible. A quorum is 7; a supermajority is 11]*

### **3.4 Processing of new membership and status change requests**

*As of 04 March 2019, the following applications and status change requests have been received:*

*Mike Brubaker; CM Buck Associates; P; DR  
Justin Bennett; University of the Incarnate Word; O; U  
Drew Becker; InterAmerica Stage; A; CP (new application)  
Jesse Adams; Rosebrand; P; DR (New application)  
Dan Lisowski; University of Wisconsin Madison; P; U (reapplying)  
Bruce Downer; Serapid, Inc; P; CP (status change request)*

Bruce Darden moved to accept the applications, the motion was seconded and carried by show of hands

### **3.5 Changes to observer status**

#### **3.5.1 Changes due to attendance**

*The following voters have missed the last two meetings and are in jeopardy of being moved to Observer status if this meeting is also missed:*

*James Tomlinson; Team Tomlinson; P; G  
Nathan Dye; Texas Scenic Company; P; CP*

Neither were present so their status was changed to that of Observer.

### 3.5.2 Changes due to missed letter ballots

The following voters have missed the last two letter ballots and will be moved to Observer status if the next letter ballot is also missed:

There are none!

### 3.6 Consensus body

The full consensus voting body as of 21 March 2019, after all changes occurring at this meeting, is as follows. Check the list carefully.

Name	Representing	Status	Int Cat
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
Mike Brubaker	CM Buck Associates	P	DR
Steven Serafin	Chubb Group of Insurance Companies	P	G
Jeremy Hodgson	Cirque Du Soleil, Inc.	P	U
Gareth Conner	Creative Conners, Inc.	P	MP
Steve Hnath	Creative Conners, Inc.	A	MP
Michael Wade	Creative Conners, Inc.	A	MP
Nils Becker	Electronic Theatre Controls, Inc.	P	MP
Joseph Champelli	Entertainment Project Services, LLC	P	DE
Bruce Darden	InterAmerica Stage, Inc.	P	CP
Drew Becker	InterAmerica Stage, Inc.	A	CP
David Bond	Kinesys	P	MP
Rick Montgomery	Motion Laboratories, Inc.	P	MP
Richard J. Nix	Richard J. Nix	I	G
Jesse Adams	Rosebrand	P	DR
Bruce Downer	Serapid, Inc	P	CP
Joseph Jeremy	Show Distribution Group, Inc.	P	CP
Bill McIntyre	Show Distribution Group, Inc.	A	CP
Steve Walker	Steve A. Walker & Associates	P	DE
Jim Love	Tait Towers Manufacturing LLC	P	CP
Michael Nishball	Theatre Projects Consultants, Inc.	P	DE
Jim Niesel	Theatre Projects Consultants, Inc.	A	DE
Jerry Gorrell	Theatre Safety Programs	P	G
Zachary Stevenson	University of North Carolina School of the Arts	P	U
Dan Culhane	Wenger Corp.	P	MP
Peter V. Svitavsky	Wenger Corp.	A	MP
Andrew Young	Andrew Young	I	U
<b>Total possible votes:</b>			<b>22</b>
<b>Votes by interest category</b>	Custom market producer	CP	4
	Designer	DE	5
	Dealer rental company	DR	2

	General interest	G	3
	Mass-market producer	MP	5
	User	U	3
<b>Voting status key:</b> P = Principal voter, A = Alternate voter, I = Individual voter			

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

[See SMmin01-2019r1\_DRAFT.pdf]

Steve Walker moved to approve, it was seconded and carried, with no objections, and with two abstentions

#### 5 Approval of agenda

The agenda must be approved, either as drafted or with modifications, by a vote of the working group.

A new project form from Bruce Darden was previously distributed to the working group. Joe Jeremy requested to add it as a topic for consideration. Jesse Adams moved to accept the new item onto the agenda, under new business. The motion was seconded and carried with no objection.

Jesse Adams moved to accept the agenda as amended. The motion was seconded and carried, again with no objection.

#### 6 Old Business

##### 6.1 ANSI E1.42-2018, *Entertainment Technology—Design, Installation, and Use of Orchestra Pit Lifts* (Reaffirm, revise, or withdrawal before 06 November 2023.)

*From the January meeting minutes:*

*Jim Niesel moved that an ad hoc task group be appointed to refine the scope of this project, and to bring a more formally worded proposal to this working group for the next meeting. The motion was seconded and carried unanimously. The appointed ad hoc task group members are Steve Walker, Steve Serafin, Michael Nishball, Pete Svitavsky, and Chris Tilton.*

Any news or updates?

Steve Walker gave a short presentation, with PowerPoint, describing the proposed changes to scope arising out of the ad-hoc group's prior discussions.

Dan Lisowski moved to open the document for revision and expand the scope. The motion was seconded and carried unanimously by show-of-hands vote. A PINS form will be filed with ANSI.

##### 6.2 ANSI E1.44 – 2014, *Common Show File Exchange Format for Entertainment Industry Automation Control Systems -- Stage Machinery* (revision, reaffirmation, or withdrawal by 6 February 2019)

It's currently in a reaffirmation letter ballot cycle, with a concurrent public review, until 23 April 2019.

Karl Ruling gave an update on the letter ballot and public review, saying that – so far – those who have voted, have voted “yes”, but eleven ballots had not yet been returned. No PR comments have been received.

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

*Task group members are: JT Tomlinson, Joe Jeremy (Chair), Rick Montgomery, Jem Hodgson, Wendy Manson, Gareth Conner, Bruce Darden, Nils Becker, Duane Wilson.*

*Any news or updates from the task group?*

Joe Jeremy gave an update on the task group's progress. He said they had a good turnout at their recent meeting, and good progress is being made.

## **7 New business**

### **7.1 New project request for Definite Purpose Stage Machinery**

*[See TSP\_ProjectRequest-DP machinery.pdf]*

Bruce Darden gave a short presentation on the intent of the new project, which essentially attempts to address stage machinery that is not otherwise covered under existing standards. There was discussion about the types of machinery it should cover. There was clear agreement that there are gaps in our existing standards' scopes that can or should be addressed. The project request form included a general list of candidate equipment types, and suggested that a useful part of the discussion could be to strike from the list those things that could be excluded. There was more discussion about how to manage the scope.

Karl Ruling mentioned ISO 12100 as a potential risk-identification resource to help decide which types of equipment should be covered.

Steve Walker moved to appoint an ad hoc committee that will take the initial submission and explore the project further. The motion was seconded, and unanimously approved by show-of-hands.

Joe Jeremy appointed Jesse Adams, Mike Brubaker, Joe Champelli, Dan Brinker, Drew Becker, and Paul Zagajeski to the ad hoc group. Paul Zagajeski will submit a working group application, for approval at the next working group meeting.

## **8 Other business and announcements**

### **8.1 USITT Risk assessment project**

*Any news or updates?*

Jerry Gorrell reported that a group of individuals has been named and appointed to the committee by the USITT President. Jerry indicated that he had graciously accepted The USITT President's appointment as chair of the committee. Its work product will not be a standard; it probably will be more like a white paper.

### **8.2 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.*

## **9 Schedule for future meetings**

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

### **9.1 Summer 2019 meetings (Westlake, TX)**

*The Summer 2019 meetings will return to the D/FW Marriott Solana, in Westlake, Texas, 18-22 July. The full meeting schedule has not yet been confirmed.*

The meeting schedule is now online. The Stage Machinery Working Group is scheduled to meet from 19:00 – 23:00 on 20 July 2019.

### **9.2 Fall 2019 meetings (Westlake, TX)**

*The Fall 2019 meetings will also return to the D/FW Marriott Solana, in Westlake, Texas, 24-27 October. The full meeting schedule has not yet been confirmed.*

## **10 Adjournment**

Bruce Darden moved to adjourn. The agenda being completed, and there being no further business to address, Joe Jeremy declared the meeting adjourned at 15:17.

Stage Machinery Working Group members as of 21 March 2019

Name	Company	Representing	Status	Int Cat
Jesse Adams	Rose Brand	Rose Brand Wipers, Inc	P	DR
Nils Becker	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	P	MP
Drew Becker	InterAmerica Stage, Inc.	InterAmerica Stage, Inc.	A	CP
Justin Bennett	University of the Incarnate Word	University of the Incarnate Word	O	U
David Bond	Kinesys USA Inc.	Kinesys	P	MP
William Bradburn	Aerial Arts, Inc.	Aerial Arts, Inc.	O	U
Louis Bradfield	Louis Bradfield	Louis Bradfield	O	U
Daniel Brinker	Michigan Opera Theatre	USITT	O	G
Mike Brubaker	Associated Controls & Design	CM Buck Associates	P	DR
Joseph Champelli	Entertainment Project Services, LLC	Entertainment Project Services, LLC	P	DE
Gareth Conner	Creative Conners, Inc.	Creative Conners, Inc.	P	MP
Dan Culhane	J.R. Clancy, Inc.	Wenger Corp.	P	MP
Bruce Darden	InterAmerica Stage, Inc.	InterAmerica Stage, Inc.	P	CP
Jim Digby	Event Safety Alliance	Event Safety Alliance	O	U
Bruce Downer	SERAPID, Inc.	SERAPID, Inc.	P	CP
Nathan Dye	Texas Scenic Company	Texas Scenic Company	O	CP
Mike Garl	Mike Garl Consulting LLC	Mike Garl Consulting LLC	exf	
Sanford P. Gilzow	Shur-Rig LLC	Shur-Rig LLC	O	DR
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	G
Erin Grabe	ESTA	ESTA	exf	G
Robert Haycock	Cal Performances	UC Berkeley	O	U
Phil Heid	Creative Stage Lighting Co., Inc.	Creative Stage Lighting Co., Inc.	O	DR
Steve Hnath	Creative Conners, Inc.	Creative Conners, Inc.	A	MP
Jeremy Hodgson	Cirque Du Soleil, Inc.	Cirque Du Soleil, Inc.	P	U
Joseph Jeremy	Niscon Inc.	Show Distribution Group, Inc.	P	CP
Edwin S. Kramer	1501	1501	O	U
Dan Lisowski	Dept. Of Theatre and Drama	University of Wisconsin - Madison	P	U
Jim Love	Tait Towers	Tait Towers Manufacturing LLC	P	CP

Stage Machinery Working Group members as of 21 March 2019

Name	Company	Representing	Status	Int Cat
Wendy Manson	Cirque Du Soleil, Inc.	Cirque Du Soleil, Inc.	O	U
Bill McIntyre	Niscon Inc.	Show Distribution Group, Inc.	A	CP
Rick Montgomery	Motion Laboratories, Inc.	Motion Laboratories, Inc.	P	MP
Jim Niesel	Theatre Projects Consultants, Inc.	Theatre Projects Consultants, Inc.	A	DE
Michael Nishball	Theatre Projects Consultants, Inc.	Theatre Projects Consultants, Inc.	P	DE
Richard J. Nix	Richard J. Nix	Richard J. Nix	I	G
Kurt Pragman	Pragman Associates, LLC	Pragman Associates, LLC	O	G
Karl G. Ruling	ESTA	ESTA	exf	G
Peter A. Scheu	Scheu Consulting Services, Inc.	Amer. Society of Theatre Consultants	P	DE
Zachary Stevenson	University of North Carolina School of the Arts	University of North Carolina School of the Arts	P	U
Peter V. Svitavsky	J.R. Clancy, Inc.	Wenger Corp.	A	MP
Christopher B. Tilton	About the Stage, LLC	About the Stage, LLC	P	DE
James Tomlinson	Team Tomlinson	Team Tomlinson	O	G
Michael Wade	Creative Conners, Inc.	Creative Conners, Inc.	A	MP
Steve Walker	Steve A. Walker & Associates	Steve A. Walker & Associates	P	DE
R. Duane Wilson	George C. Izenour Associates	Amer. Society of Theatre Consultants	A	DE
Jeong Sik Yoo	Ghost LX	Ghost LX	O	DE
Andrew Young	San Diego State University	Andrew Young	I	U