

Minutes
Rigging Working Group
Thursday, April 2, 2020 19:00-23:00 Central Time
via WebEx

Chairpersons:

Bill Sapsis; Sapsis Rigging, Inc.; P; U (presiding)
Chris Kaiser; P; Syracuse Scenery and Stage Lighting Co, Inc; P; DR

Recording secretaries:

Karl Ruling and Richard Nix (ESTA)

Attendees:

Allen Winzler; Clark-Reder Engineering, Inc.; P; DE
Andrew Young; Andrew Young; O; U
Bennett Brian; Reed Rigging Inc.; P; DR
Bill Edwards; Tyler Truss Systems; A; MP
Bruce Darden; InterAmerica Stage, Inc.; P; CP
Cedric Jackson; Screen Actors Guild - American Federation of Television & Radio Artists; O; G
Chris Schmidt; Freeman Companies; A; DR
Dan Culhane; Wenger Corp.; A; CP
Dana Bartholomew; Silver State Wire Rope and Rigging; O; DR
Daniel H. Louis; Theta Consulting LLC; P; G
Don Earl; Earl Girls, Inc.; P; DR
Drew Becker; InterAmerica Stage, Inc.; A; CP
Ed Leahy; Chicago Flyhouse, Inc; P; CP
Elmer Veith; Reliable Design Services; P; CP
Eric Rouse; Entertainment Project Services, LLC; P; CP
Ethan W Gilson; Entertainment Rigging Services, LLC; P; U
Frederic Caron; Cirque Du Soleil, Inc; A; U
Ian Bevan; Walt Disney Company; P; DE
Jacob Abbott; PSAV Presentation Services; A; U
Jacob E. Loretto; Musson Theatrical Inc.; O; DR
Jason Tello; T6 Truss Designs, LLC; P; CP
Jay Cid; R&M Materials Handling / Stagemaker; P; MP
Jerry Gorrell; Theatre Safety Programs; P; G
Jesse Adams; Rose Brand Wipers, Inc; P; DR
Jim Niesel; Theatre Projects Consultants, Inc.; P; DE
Joe Golden; Gallagher Staging & Productions; P; DR
John Ringelman; Freeman Companies; P; DR
Jon Lenard; Applied Electronics; A; MP
Jonathan Deull; JSD Projects LLC; P; U
Joseph Jeremy; Show Distribution Group, Inc.; P; CP
Josh Conner; Tyler Truss Systems; A; MP
Kalen Larson; ZFX, Inc.; P; CP
Kyle Kusmer; Steven Schaefer Associates, Inc; P; DE
Lee Chuong; Walt Disney Company; A; DE
Matt Panther; Reliable Design Services; A; CP
Max A. Wilson; Applied Electronics; P; MP
Michael Wells; Xtreme Structures and Fabrication; P; MP
Mike Garl; Mike Garl Consulting LLC; P; DE
Mike Skinner; Contract Services Administration Trust Fund; P; U
Mike Webb; Motion Laboratories, Inc.; A; MP
Miriam Paschetto; Geiger Engineers; O; DE
Nathan Villines; Tyler Truss Systems; P; MP
Orestes Mihaly; Production Resource Group; P; DR

Paul Brunner; Thern, Inc.; A; MP
Paul "Luke" Lewkowicz; Paul E Lewkowicz PC; O; DE
Paul Zagajeski; Wenger Corp.; A; CP
Peter A. Scheu; Scheu Consulting Services, Inc.; O; DE
Peter V. Svitavsky; Wenger Corp.; P; CP
Peter W. Batt; Mainstage Theatrical Supply, Inc; P; DR
Phillip R. Hampton; Charcoalblue; O; DE
R. Duane Wilson; Amer. Society of Theatre Consultants; P; DE
Reid Neslage; H & H Specialties Inc.; P; MP
Richard J. Nix; Richard J. Nix; I; G
Rick Montgomery; Motion Laboratories, Inc.; P; MP
Robert Haycock; UC Berkeley; I; U
Russell Solomon; Texas Scenic Company; A; DR
Ryan Kunkel; Tait Towers Manufacturing LLC; A; CP
Ryan Riordan; Accurate Staging, Inc.; P; CP
Ryan Roby; PRG; A; DR
Shawn Nolan; Production Resource Group; A; DR
Stephan Jon Wood; Tait Towers Manufacturing LLC; P; CP
Steve Walker; Steve A. Walker & Associates; P; G
Steven Serafin; The Hartford Group; P; G
Stewart Stephens; Ashford Management Group; P; DR
Ted Jones; Grand Stage; O; U
Tony Diemont; Texas Scenic Company; P; DR
Tracie Allen; T6 Truss Designs. LLC; A; CP
Tracy Nunnally; Vertigo; P; CP
Will Todd; Area Four Industries; P; MP
William B. Gorlin; M.G. McLaren, P.C.; P; G

1 Opening Remarks

Bill Sapsis called the meeting to order at 20:07, welcoming everyone to the meeting, and wishing everyone good health during these trying times. He reminded everyone to mute their microphones and to silence their cell phones if not using them. He gave instructions for voting, saying that due to the large group of voting attendees he would only ask for objections or abstentions to the motions at-hand.

2 Patent and anti-trust statements

2.1 Reading of the anti-trust statement

Bill Sapsis 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, so that all attendees with video could see it.

2.2 Reading of the call for patents

Bill Sapsis 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

Bill Sapsis 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 and circulation of sign-in sheet

3.3 Determination of a quorum

[There are 53 possible votes. A quorum is 18, a supermajority is 27.]

3.4 Processing of new membership and status change requests

As of 19 March 2020, the following applications or status change requests have been received:

*Nathan Villines; Tyler Truss, LLC; P; MP (new application – applied in DE category, changed to MP)
Bill Edwards, Tyler Truss, LLC; A; MP (new application)
Josh Conner, Tyler Truss, LLC; A; MP (new application)
Joe Golden; Gallagher Staging; P; DR (new application)
Dan Louis; Theta Consulting; P; G (status change request)
Jason Tello; T6 Truss Designs, LLC; P;
Tracie Allen; T6 Truss Designs, LLC; A;*

Everyone was present.

Bruce Darden moved to accept the applications and status changes. The motion was seconded and carried without objections or abstentions.

3.5 Changes to observer status due to lack of attendance or missed letter ballots

3.5.1 Attendance notices

The following voters have missed two consecutive meetings, and their status will be changed to that of Observer if this meeting is missed:

*Allen Winzler; Clark-Reder Engineering, Inc.; P; DE
Tony Diemont; Texas Scenic Company; P; DR
Russ Solomon; Texas Scenic Company; A; DR
Jim Niesel; Theatre Projects Consultants, Inc.; P; DE*

All were present.

3.5.2 Letter ballot notices

Responding to letter ballots is a requirement for voting status. The following voters have missed the last two letter ballots and will be moved to Observer status if the next letter ballot is missed.

There are none.

3.5.3 Automatic status changes occurring before this meeting

The following automatic status changes have occurred since the last meeting (all are due to missed letter ballots, three or more):

Miriam Paschetto; Geiger Engineers
Dana Bartholomew; Silver State Wire Rope
Dan Louis, Theta Consulting
Jason Tello; T6 Truss Designs, LLC
Tracie Allen; T6 Truss Designs, LLC

Bruce Darden moved to restore Miriam's and Dana's voting status. The motion carried.

3.6 Consensus body

The table below shows the full consensus voting body as of today's meeting date, after all changes occurring as a result of this meeting's action have been applied. Please check it carefully.

Name	Representing	Status	Int Cat
Ryan Riordan	Accurate Staging, Inc.	P	CP
R. Duane Wilson	Amer. Society of Theatre Consultants	P	DE
Max A. Wilson	Applied Electronics	P	MP
Jon Lenard	Applied Electronics	A	MP
Will Todd	Area Four Industries	P	MP
Keith Bohn	Area Four Industries	A	MP
Stewart Stephens	Ashford Management Group	P	DR
Ed Leahy	Chicago Flyhouse, Inc	P	CP
Jeremy Hodgson	Cirque Du Soleil, Inc.	P	U
Tom Lapp	Cirque Du Soleil, Inc.	A	U
Frederic Caron	Cirque Du Soleil, Inc	A	U
Allen Winzler	Clark-Reder Engineering, Inc.	P	DE
Ken Tilson	Columbus McKinnon Corp.	P	MP
David Carmack	Columbus McKinnon Corp.	A	MP
Nick Fleming	Columbus McKinnon Corp.	A	MP
Mike Skinner	Contract Services Administration Trust Fund	P	U
Chris Moulton	Contract Services Administration Trust Fund	A	U
Don Earl	Earl Girls, Inc.	P	DR
Steven Ricks	Electronic Theatre Controls, Inc.	P	MP
Michael Lichter	Electronic Theatre Controls, Inc.	A	MP
Eric Rouse	Entertainment Project Services, LLC	P	CP
Joseph Champelli	Entertainment Project Services, LLC	A	CP
Joshua "Fritz" Friendensohn	Entertainment Project Services, LLC	A	CP
Ethan W Gilson	Entertainment Rigging Services, LLC	P	U
John Ringelman	Freeman Companies	P	DR
Chris Schmidt	Freeman Companies	A	DR
Joe Golden	Gallagher Staging & Production	P	DR
Miriam Paschetto	Geiger Engineers	P	DE
Reid Neslage	H & H Specialties Inc.	P	MP
Pat Grenfell	Hoist Sales & Service	P	DR
Edwin S. Kramer	I.A.T.S.E. Local 1	P	U
Rod Haney	I.A.T.S.E. Local 891	P	U
Ross Long	I.A.T.S.E. Local 891	A	U
Bruce Darden	InterAmerica Stage, Inc.	P	CP

Name	Representing	Status	Int Cat
Drew Becker	InterAmerica Stage, Inc.	A	CP
Jonathan Deull	JSD Projects LLC	P	U
William B. Gorlin	M.G. McLaren, P.C.	P	G
Peter W. Batt	Mainstage Theatrical Supply, Inc	P	DR
Mike Garl	Mike Garl Consulting LLC	P	DE
Rick Montgomery	Motion Laboratories, Inc.	P	MP
Mike Webb	Motion Laboratories, Inc.	A	MP
Michael Shaw	Motion Laboratories, Inc.	A	MP
Marty Wesstrom	Mountain Productions Inc.	P	DR
Tim Hansen	Oasis Stage Werks	P	DR
Ryan Roby	Production Resource Group	A	DR
Orestes Mihaly	Production Resource Group	P	DR
Shawn Nolan	Production Resource Group	A	DR
Carlos Ortega	PSAV Presentation Services	P	U
Demian Purdy	PSAV Presentation Services	A	U
Jacob Abbott	PSAV Presentation Services	A	U
Jay Cid	R&M Materials Handling / Stagemaker	P	MP
Bartholomew J. Mueller	Recreation Engineering Inc.	P	DE
Bennett Brian	Reed Rigging Inc.	P	DR
Elmer Veith	Reliable Design Services	P	CP
Matt Panther	Reliable Design Services	A	CP
Richard J. Nix	Richard J. Nix	I	G
Jesse Adams	Rose Brand Wipers, Inc	P	DR
Bill Sapsis	Sapsis Rigging, Inc.	P	U
Joseph Jeremy	Show Distribution Group, Inc.	P	CP
Bill McIntyre	Show Distribution Group, Inc.	A	CP
Sanford P. Gilzow	Shur-Rig LLC	P	G
Dana Barthlomew	Silver State Wire Rope and Rigging	P	DR
Steve Walker	Steve A. Walker & Associates	P	G
Kyle Kusmer	Steven Schaefer Associates, Inc	P	DE
Mike Merz	Steven Schaefer Associates, Inc	A	DE
Christine L. Kaiser	Syracuse Scenery & Stage Lighting Co., Inc.	P	DR
Harold Ike Shippers	Syracuse Scenery & Stage Lighting Co., Inc.	A	DR
Jason Tello	T6 Truss Designs, LLC	P	CP
Tracie Allen	T6 Truss Design, LLC	A	CP
Stephan Jon Wood	Tait Towers Manufacturing LLC	P	CP
David Bond	Tait Towers Manufacturing LLC	A	CP
Ryan Kunkel	Tait Towers Manufacturing LLC	A	CP
Tony Diemont	Texas Scenic Company	P	DR
Russell Solomon	Texas Scenic Company	A	DR
Steven Serafin	The Hartford Group	P	G
Jim Niesel	Theatre Projects Consultants, Inc.	P	DE
Jerry Gorrell	Theatre Safety Programs	P	G
Sam Michael	Thern, Inc.	P	MP
Jeff Wilkowski	Thern, Inc.	A	MP
Paul Brunner	Thern, Inc.	A	MP
Dan Louis	Theta Consulting	P	G
Nathan Villines	Tyler Truss Systems	P	MP
Josh Conner	Tyler Truss Systems	A	MP
Bill Edwards	Tyler Truss Systems	A	MP
Robert Haycock	UC Berkeley	I	U
Tracy Nunnally	Vertigo	P	CP
John P. Moore	Vertigo	A	CP
Ian Bevan	Walt Disney Company	P	DE
Lee Chuong	Walt Disney Company	A	DE

Name	Representing	Status	Int Cat
Peter V. Svitavsky	Wenger Corp.	P	CP
Dan Culhane	Wenger Corp.	A	CP
Paul Zagajeski	Wenger Corp.	A	CP
Michael Wells	Xtreme Structures and Fabrication	P	MP
Mark Newlin	Xtreme Structures and Fabrication	A	MP
Theresa Kelley	Xtreme Structures and Fabrication	A	MP
Kalen Larson	ZFX, Inc.	P	CP
Total possible votes:			59
Custom market producer (CP):			11
Designer (DE):			8
Dealer or rental company (DR):			14
General interest (G):			7
Mass market producer (MP):			10
User (U):			9

Votes by interest category:

Status key: P = Principal voter, A = Alternate voter, I = Individual voter

4 Approval of the minutes from the last meeting

[See RWGmin01-2020_DRAFTTr1.pdf]

Dan Culhane moved to accept the minutes. The motion was seconded and carried.

5 Approval of agenda

Dan Culhane moved to approve the agenda. The motion was seconded and carried.

6 Old Business

6.1 ANSI E1.1 – 2018, wire rope ladders (Revise, reaffirm or withdrawal by 27 September 2023)

Any news or action?

6.2 BSR E1.2 - 20xx, Entertainment Technology - Design, Manufacture and Use of Aluminum Trusses and Towers (Last published in 2012 – Open for revision). *Task group members:* Mike Garl (leader), Jacob Abbott, Keith Bohn, Jerry Gorrell, Jason Tello, Will Todd, Richard Nix, and Elmer Veith.

[See RWG_ Ltr_Ballot_Smmry for E1-2_AcceptANS_R1.pdf]

The RWG letter ballot to approve as an ANS carried with the required supermajority vote, but there were objections and comments, which have been distributed to the working group.

Any news or action?

Mike Garl reported that the document was returned from the letter ballot with ten objections. He asked for feedback from the structural engineers in attendance. Bill Gorlin said he had not yet read the full list of objections but would provide feedback within a day or two.

Shawn Nolan said he agreed with Mike Wells' objections, and explained examples of the complexities associated with tower conditions.

Eric Rouse asked how the requested information was different than what was already in the standard. Shawn reiterated the complexities and suggested that a requirement to provide load tables was too simplistic. He suggested that at least the draft should add clarity to the complexities.

Pete Svitavsky said there are two good examples of published load data for columns: strut and screw jacks. He recommended using those references for guidance.

Bruce Darden said he thought that the draft established that the requirements applied to standardized towers, so

that the manufacturer could designate what was or was not a standard tower length.

Elmer Vieth pointed out that the motion had carried, and that this might be a situation similar to what had occurred with BSR E1.6-2. Karl Ruling explained that a resolution still needed to be provided.

Bill Sapsis directed that those interested in offering resolutions to please provide feedback to Mike Garl within some reasonable amount of time. Mike Garl asked for responses within two weeks.

6.3 ANSI E1.4-1 - 2016, Entertainment Technology--Manual Counterweight Rigging Systems (Revise, reaffirm, or withdrawal by 11 October 2021)

6.4 BSR E1.4-2 - 201x, Entertainment Technology—Statically Suspended Rigging Systems

Task group members: Bart Mueller (leader) Ethan Gilson, Ted Jones, Jesse Adams, Brad Dittmer, and Peter Batt

It's in public review until 30 March 2020. A summary will be sent to the working group after that date.

Richard Nix reported that comments were received, and that a summary will be sent to the working group.

6.5 BSR E1.4-3 - 201x, Entertainment Technology - Manually Operated Hoist Rigging Systems

Task group members: Richard Nix and Sam Michael

The RWG letter ballot motion to accept as an ANS carried with the required supermajority vote (the letter ballot summary of which was sent to the RWG), and was forwarded to the Technical Standards Council, where it also carried. It's been sent to an ExC letter ballot. An update will be provided at the RWG meeting.

The motion has carried in the Executive Committee. A BSR9 will be filed with ANSI.

6.6 ANSI E1.6-1 - 2019, Entertainment Technology--Powered Hoist Systems *Task group members:* Bill

Gorlin (leader), Steve Walker, Eric Rouse, Pete Svitavsky, Shawn Nolan, and Chris Kaiser

[See BSR E1.6-1 - 202x_Rig2006-2011r9.pdf]

The task group has returned a revised document to the working group for consideration. Is it ready for a first public review? First public reviews must be approved by both the working group and the TSC.

Bill Gorlin moved to send to first public review. The motion was seconded and carried with no objections or abstentions. The motion will be forwarded to the TSC for consideration.

[TSM note: the motion carried in the TSC, and a BSR8 will be filed with ANSI]

6.7 BSR E1.6-2 - 20xx, Entertainment Technology--Design, Inspection, and Maintenance of Electric Chain Hoists for the Entertainment Industry (last published in 2018 – Open for revision)

Task group members: Ken Tilson, John Ringleman, Ben Brian, Marty Westrom, Rick Montgomery, Chris Schmidt, Mike Weston, Sandy Gilzow, Jack Gallagher, and Elmer Veith (leader)

[See BSR E1_6-2-202x_Rig2005-2040r12.pdf and BSR_E1-6-2_PR1 CmmntResols_March2020.pdf]

Proposed comment resolutions and a revised draft standard have been distributed to the working group for consideration.

Elmer Veith reported that the task group was happy with the draft resolutions, and moved to accept the comment resolutions. The motion was seconded and carried without objection or abstentions.

Elmer then moved to accept the document as an ANS. The motion was seconded. A letter ballot will be issued.

6.8 ANSI E1.6-3 - 2019, Selection and Use of Serially Manufactured Chain Hoists in the Entertainment Industry (Revise, reaffirm or withdraw 07 October 2024)

Any news or action?

6.9 BSR E1.6-4 - 201x, Control of Electric Chain Hoists in the Entertainment Industry (Last published in 2013 – Open for revision)

Task group members: David Bond, Rod Haney, Rick Montgomery, John Ringleman, Elmer Veith, Jem Hodgson, Stephen Wood, Mike Webb, and Joe Jeremy (leader).

Any news or action?

6.10 ANSI E1.8 – 2018, Entertainment Technology—Loudspeaker Enclosures Intended for Overhead Suspension—Classification, Manufacture and Structural Testing (Revise, reaffirm or withdrawal by 29 November 2023)

Any news or action?

6.11 ANSI E1.15 - 2006 (R2016), Entertainment Technology--Recommended Practices and Guidelines for the Assembly and Use of Theatrical Boom & Base Assemblies (revision, reaffirmation, or withdrawal by 23 September 2021)

Any news or action?

6.12 BSR E1.21 - 20xx, Entertainment Technology — Temporary Structures Used for Technical Production of Outdoor Entertainment Events (originally published 19 December 2013 – open for revision)

Task group members: Richard Nix (leader), Kyle Kusmer, Bill Gorlin, Dan Louis, Steve Serafin, Elmer Veith, Sandy Gilzow, and Rod Haney

The draft document was approved by ANSI BSR on 23 March 2020. It's published!

6.13 ANSI E1.22 - 2016, Entertainment Technology - Fire Safety Curtain Systems (Revise, reaffirm, or withdrawal by 11 October 2021)

Any news or action?

6.14 BSR E1.39 - 201x, Entertainment Technology –Selection and Use of Personal Fall Arrest Systems on Portable Structures Used in the Entertainment Industry (Open for revision)

Task group members: Chris Schmidt, Ethan Gilson (leader), Will Todd, Dana Bartholomew, Shawn Nolan, Rod Haney, Mike Wells, and Bill Sapsis.

[See E1-39_201x rev04.01.2020 reformatted.pdf]

A revised draft was distributed to the working group on 01 April.

Any news or action?

Ethan Gilson reported that the task group felt the document was ready for first public review. He said that it had been reformatted.

Ethan moved to send it to first public review. Bill Sapsis asked for a subordinate motion to waive the 2-week rule. No one objected. The primary motion was seconded and carried without objection or abstention. It will be sent to the TSC.

[TSM note: the motion carried in the TSC, so a BSR8 will be filed with ANSI]

6.15 ANSI E1.43 - 2016, Live performer flying effect standard (Revise, reaffirm, or withdrawal by 12 February 2021)

Any news or action?

Bill Sapsis asked that any interested people express same prior to the next meeting.

6.16 Rigging Glossary

6.17 BSR E1.47 – 20xx, Recommended Guidelines for Entertainment Rigging System Inspections

(Originally published on 28 April 2017 – open for revision)

Task group members: Bart Mueller, Chris Kaiser (leader), Tracy Nunally, Ted Jones, Duane Wilson, Pete Svitavsky, Eric Rouse, Ian Bevan, and Russell Solomon
[see Smmry_RWG_Ltr_Ballot for E1-47_AcceptANS.pdf]

The RWG letter ballot motion to accept as ANS carried with the required supermajority vote (the letter ballot summary of which was sent to the RWG), and was forwarded to the TSC for consideration, where it also carried. The motion has been sent to the ExC for consideration. A summary of the RWG letter ballot has been distributed to the working group.

The motion carried in the Executive Committee, so a BSR9 will be filed with ANSI.

6.18 ANSI E1.50-1 – 2017, Requirements for the Structural Support of Temporary LED, Video & Display Systems (Revision, reaffirmation, or withdrawal by 14 August 2022)

6.19 ANSI E1.56 - 2018, Rigging Support Points Design, Fabrication, Installation, and Testing (Revision, reaffirmation or withdrawal by 06 November 2023)

6.20 BSR E1.67 – 201x, Design, Inspection, Maintenance, Selection, and Use of Hand-operated Chain- and Lever Hoists for the Entertainment Industry

Task group members: Mike Weston, Jake Abbott (leader), Dana Bartholomew; and Charlie Weiner

The public review ended on 24 March 2020. No comments were received, and a summary has been distributed to the working group. Jacob Abbott has requested that Jay Cid be appointed to the task group, replacing Jack Gallagher, who has retired.

John Ringelman said he did not respond to the public review in time, but had read through it and had some concerns. He shared these with the group.

Bruce Darden moved to defer to John's expertise and send the comments to the task group to incorporate into the document. The motion was seconded and carried without objection or abstention.

Dana Bartholomew asked for John Ringelman to also be appointed to the task group. Bill Sapsis made it so.

6.21 BSR E1.70 – 202x, Selection and Use of Ground Supported Winch Stands and Towers in the Entertainment Industry

The TSC approved the project, assigning it to the Rigging Working Group. A PINS form has been filed with ANSI, and the project was announced in the 14 February 2020 edition of Standards Action. A task group must now be appointed from the working group membership.

Bill Sapsis appointed Jacob Abbott as the task group leader. He then appointed Ethan Gilson, Eric Rouse, Will Todd, Elmer Veith, Ryan Riordan, and Max Wilson to the task group.

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 website says nominations for this year are due November 1. The awards will be presented at the beginning of next year.

9 Schedule for future meetings

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

9.1 Summer 2020 meetings (NATEAC, NYC)

The Summer 2020 meetings will be held in conjunction with the NATEAC event in New York City, 19-20 July 2020. The complete schedule has not yet been confirmed.

Bill Sapsis said a decision will be made within the next week.

Mike Garl said that if NATEAC canceled, the WebEx meetings will still occur.

[TSM note: the event has been postponed until July 2021 Additional information can be found here: <https://www.nateac.org/>]

9.2 Fall 2020 meetings (Westlake, TX)

The Fall 2020 meetings will return to Westlake, TX. 01-04 October 2020. The full schedule has not yet been announced.

10 Adjournment

The agenda being completed, and there being no further business brought forth, Bill Sapsis declared the meeting adjourned at 20:18 CDT.

Rigging Working Group members as of 10 April 2020

Name	Representing	Status	Int Cat	Email
Jacob Abbott	PSAV Presentation Services	A	U	jabbott@psav.com
Jesse Adams	Rose Brand Wipers, Inc	P	DR	jesse.adams@rosebrand.com
Tracie Allen	T6 Truss Designs. LLC	A	CP	tracie@T6Truss.com
Matthew Antonucci	Contract Services Administration Trust Fund	O	U	mantonucci@csatf.org
Brent Armstrong	Alpine Rigging & Structural Design	O	CP	brent@alpinerrigging.com
William Ian Auld	Auld Entertainment	O	U	WilliamIanAuld@hotmail.com
Robert Barbagallo	Solotech Inc.	O	DR	r_barbagallo@videotron.ca
Dana Bartholomew	Silver State Wire Rope and Rigging	O	DR	dana@silverstatewire rope.net
Peter W. Batt	Mainstage Theatrical Supply, Inc	P	DR	pbaccts@gmail.com
William Beautyman	Limelight Productions, Inc.	O	DR	wbeautyman@limelightproductions.com
Drew Becker	InterAmerica Stage, Inc.	A	CP	dbecker@iastage.com
Justin Bennett	University of the Incarnate Word	O	U	jbennett@uiwtx.edu
Ian Bevan	Walt Disney Company	P	DE	Ian.Bevan@disney.com
Roy Bickel	Roy Bickel	O	G	roybickel@aol.com
Tyler Bland	Walt Disney Company	O	U	tyler.bland@disney.com
Keith Bohn	Area Four Industries	A	MP	kbohn@prolyte.com
David Bond	Tait Towers Manufacturing LLC	A	CP	David.bond@kinesys.com
William Bradburn	Aerial Arts, Inc.	O	U	wbradburn@gmail.com
Bennett Brian	Reed Rigging Inc.	P	DR	ben@reedrigging.com
Paul Brunner	Thern, Inc.	A	MP	pbrunner@thern.com
David M. Campbell	Geiger Engineers	O	G	dmc@geigerengineers.com
Frederic Caron	Cirque Du Soleil, Inc	A	U	fred.caron@cirquedusoleil.com
Joseph Champelli	Entertainment Project Services, LLC	A	CP	jchampelli@entprojects.com
Lee Chuong	Walt Disney Company	A	DE	lee.chuong@disney.com
Jay Cid	R&M Materials Handling / Stagemaker	P	MP	jay.cid@rmhoist.com
Daniel J. Clark	Clark-Reder Engineering, Inc.	O	G	dclark@clarkreder.com;

Rigging Working Group members as of 10 April 2020

Name	Representing	Status	Int Cat	Email
				clardl74@gmail.com
Benjamin Cohen	Chicago Flyhouse Inc.	O	CP	bcohen@flyhouse.com
Josh Conner	Tyler Truss Systems	A	MP	jconner@tylertruss.com
Brandon Cox	Heavyweight Solutions	O	CP	brandon@heavyweight.solutions
Dan Culhane	Wenger Corp.	A	CP	culhane.dan@gmail.com
Bruce Darden	InterAmerica Stage, Inc.	P	CP	bdarden@iastage.com
David Darland	PSAV Presentation Services	O	U	ddarland@psav.com
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Jonathan Deull	JSD Projects LLC	P	U	jdeull@clarktransfer.com
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