

Minutes
Rigging Working Group
Tuesday, 26 January 2021
11:00 EST
via WebEx

Chairpersons:

Bill Sapsis; Sapsis Rigging, Inc. (presiding)
Chris Kaiser; Syracuse Scenery & Stage Lighting Co.

Recording Secretaries:

Karl Ruling and Richard Nix (ESTA)

Attendees:

Jacob Abbott; PSAV Presentation Services; O; U
Jesse Adams; Rose Brand Wipers, Inc; P; DR
Brent Armstrong; Alpine Rigging & Structural Design; O; CP
Dana Bartholomew; Silver State Wire Rope and Rigging; P; DR
Patrick Bash; In-House Production; P; DR
Peter W. Batt; Mainstage Theatrical Supply, Inc; P; DR
Drew Becker; InterAmerica Stage, Inc.; A; CP
Bennett Brian; Reed Rigging Inc.; P; DR
Gert Jan Brouwer; Frontline Rigging & Motion B.V.; P; CP
Frederic Caron; Frederic Caron; O; U
Lee Chuong; Walt Disney Company; A; DE
Jay Cid; R&M Materials Handling / Stagemaker; P; MP
Dan Culhane; Wenger Corp; P; CP
Bruce Darden; InterAmerica Stage, Inc.; P; CP
Robert Dean; ZFX, Inc.; A; CP
Jonathan Deull; JSD Projects LLC; P; U
Brad Dittmer; Stage Labor of the Ozarks; O; U
Don Earl; Earl Girls, Inc.; P; DR
Siobhan Gee; Siobhan Gee; I; G
Ethan W Gilson; Entertainment Rigging Services, LLC; P; U
Joe Golden; Gallagher Staging & Productions; P; DR
William B. Gorlin; M.G. McLaren, P.C.; P; G
Jerry Gorrell; Theatre Safety Programs; P; G
Rod Haney; I.A.T.S.E. Local 891; P; U
Tim Hansen; Oasis Stage Werks; P; DR
Robert Haycock; UC Berkeley; I; U
Joseph Jeremy; Show Distribution Group, Inc.; P; CP
Ted Jones; Grand Stage; O; U
Ryan Kunkel; Tait Towers Manufacturing LLC; A; CP
Kyle Kusmer; Steven Schaefer Associates, Inc; P; DE
Kalen Larson; ZFX, Inc.; P; CP
Paul "Luke" Lewkowicz; Paul E Lewkowicz PC; O; DE
Michael Lichter; Electronic Theatre Controls, Inc.; A; MP
Daniel H. Louis; Theta Consulting LLC; P; G
Theresa Lovell; Xtreme Structures and Fabrication; A; MP
Orestes Mihaly; Production Resource Group; P; DR
Rick Montgomery; Motion Laboratories, Inc.; P; MP
Neil Montour; Atlanta Rigging Systems; P; DR
Bartholomew J. Mueller; Recreation Engineering Inc.; P; DE
Reid Neslage; H & H Specialties Inc.; P; MP
Jim Niesel; Theatre Projects Consultants, Inc.; P; DE
Tracy Nunnally; Vertigo; P; CP
Stefan Pries; NEP Live Events; P; DR

Jeffrey M. Reder; Clark-Reder Engineering, Inc.; P; G
Luke Ricca; Luke Ricca; O; G
Steven Ricks; Electronic Theatre Controls, Inc.; P; MP
Ryan Riordan; Accurate Staging, Inc.; P; CP
Eric Rouse; Entertainment Project Services, LLC; P; CP
Peter A. Scheu; Scheu Consulting Services, Inc.; O; DE
Chris Schmidt; Freeman Companies; A; DR
Mike Skinner; Contract Services Administration Trust Fund; P; U
Stewart Stephens; S2 Technologies; P; G
Jason Tello; T6 Truss Designs. LLC; P; CP
Ken Tilson; Columbus McKinnon Corp.; P; MP
Will Todd; Area Four Industries; P; MP
Troy Trinkle; Troy Trinkle, LLC; P; CP
Elmer Veith; Reliable Design Services; P; CP
Nathan Villines; Tyler Truss Systems; P; MP
Steve Walker; Steve A. Walker & Associates; P; G
Mike Webb; Motion Laboratories, Inc.; A; MP
Michael Wells; Xtreme Structures and Fabrication; P; MP
R. Duane Wilson; Amer. Society of Theatre Consultants; P; DE
Max A. Wilson; Applied Electronics; P; MP
Allen Winzler; Entertainment and Rigging Engineering; P; DE
Stephan Jon Wood; Tait Towers Manufacturing LLC; P; CP
Andrew Young; Andrew Young; I; U
Paul Zagajeski; Wenger Corp.; A; CP

Visitors:

Jason Pelo ?
Call-in User 2 ?

1 Opening Remarks

Bill Sapsis called the meeting to order at 11:03 when there were 60 participants on line, welcoming everyone and thanking them for attending this important meeting. He said he was delighted to be able to announce the date as 2021. He thanked all for participating.

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 for all with video to see.

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.

Bill reported that Elmer Veith sent a link to a patent that pertains to use of half-couplers on truss. Karl Ruling explained what the patent appeared to address, and said he thought it did not apply to anything we are working on. Elmer said he tried to search for the person who owns the patent and was not able to find any significant information.

Karl Ruling read the email, sent prior to the meeting by Elmer Veith:

Good morning all,

Sorry for sending this so close to the start of our meeting, but this item that was in Mike Wood's patent search email is something we may want to bring up. Basically someone has obtained a patent for clamping a pipe to a truss to use as an anchor point so lights can be raised and lowered during system setup and teardown. The documents can be found on Mike's site at

<https://www.mikewoodconsulting.com/patentdb/pdf/10894221.pdf> . I really don't know how this made its way through the patent process, but someone now has obtained IP over using a pipe and cheseboros [sic].

Elmer

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.

Richard Nix issued a plea for participants to pay their participation fees, and explained the available options for those who did not pay for 2020, but who still desire to participate. He said that there were payment options if cost was an immediate issue, and also said if the participant did not wish to continue participation, he would prefer to hear this directly from the participant, Rather than make a decision based on non-communication. The renewals for 2021 will go out soon.

3.2 Introduction of attendees

3.3 Determination of a quorum

Bill asked for all voting members to raise their hands, making sure that Alternates did not also indicate their presence if their respective principal voter was also present. Richard Nix announced that more than 50% of the voting body was present.

3.4 Processing of new membership and status change requests

The following applications or status change requests have been received:

Jeff Reder; Clark Reder Engineering; P; G (new application)

Jordi van Burkum; Cybermotion North America; P; DR (new application)

Neil Montour; Atlanta Rigging Systems; P; DR (new application)

Robert Dean; ZFX, Inc., A; CP (Status change request)

Thomas Cowdery; PNTA; I; U; (new application)

Ryan Ropy; Ryan Ropy; O; U; (new application)
 Ryan McAlpine; Foy Invenenterprises, Inc; O; DR ;(new application)
 Brad Dittmer; Stage Labor of the Ozarks; P; U (Status change request)
 Gert Jan Brouwer; Frontline Rigging; P; CP (new application)
 Andrew Young; Andrew Young; I; U (change of status request)
 Pat Bash; In-House Productions Labor; P; DR (new application)
 Brent Armstrong; Alpine Rigging; P; DE (Status change request)

Dan Culhane made a motion to accept the new members and status change requests. The motion was seconded. The motion was approved with no objections.

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:

There are none.

3.5.2 Letter ballot notices

People were reminded that 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.

Miriam Paschetto; Geiger Engineers
 Jeremy Hodgson; Jeremy Hodgson
 Shawn Nolan; Rimkus Consulting Group

3.5.3 Automatic status changes occurring before this meeting

The following automatic status changes have occurred since the last meeting. T

There are none.

3.6 Consensus body

As of today, after all changes resulting from working group action, the consensus body is:

Delegate	Representing	Voting status	Int. category
Ryan Riordan	Accurate Staging, Inc.	P	CP
Brent Armstrong	Alpine Rigging	P	DE
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
Neil Montour	Atlanta Rigging Systems	P	DR
Ed Leahy	Chicago Flyhouse, Inc	P	CP
Jeff Reder	Clark-Reder Engineering	P	G
Ken Tilson	Columbus McKinnon Corp.	P	MP
Nick Fleming	Columbus McKinnon Corp.	A	MP
Mike Skinner	Contract Services Administration Trust Fund	P	U

Delegate	Representing	Voting status	Int. category
Chris Moulton	Contract Services Administration Trust Fund	A	U
Jordi van Burkum	Cybermotion North America	P	DR
Don Earl	Earl Girls, Inc.	P	DR
Steven Ricks	Electronic Theatre Controls, Inc.	P	MP
Michael Lichter	Electronic Theatre Controls, Inc.	A	MP
Allen Winzler	Entertainment and Rigging Engineering.	P	DE
Eric Rouse	Entertainment Project Services, LLC	P	CP
Joseph Champelli	Entertainment Project Services, LLC	A	CP
Joshua "Fritz" Friedensohn	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
Gert Jan Brouwer	Frontline Rigging	P	CP
Joe Golden	Gallagher Staging & Productions	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
Pat Bash	In-House Production	P	DR
Bruce Darden	InterAmerica Stage, Inc.	P	CP
Drew Becker	InterAmerica Stage, Inc.	A	CP
Jeremy Hodgson	Jeremy Hodgson	I	G
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
Stefan Pries	NEP Live Events	P	DR
Tim Hansen	Oasis Stage Werks	P	DR
Thomas Cowdery	PNTA	I	U
Orestes Mihaly	Production Resource Group	P	DR
Ryan Roby	Production Resource Group	A	DR

Delegate	Representing	Voting status	Int. category
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
Shawn Nolan	Rimkus Consulting Group, Inc	P	G
Jesse Adams	Rose Brand Wipers, Inc	P	DR
Stewart Stephens	S2 Technologies	P	G
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 Bartholomew	Silver State Wire Rope and Rigging	P	DR
Siobhan Gee	Siobhan Gee	I	G
Brad Dittmer	Stage Labor of the Ozarks	P	U
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
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
Daniel H. Louis	Theta Consulting LLC	P	G
Troy Trinkle	Troy Trinkle, LLC	P	CP
Nathan Villines	Tyler Truss Systems	P	MP

Delegate	Representing	Voting status	Int. category
Bill Edwards	Tyler Truss Systems	A	MP
Josh Conner	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
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 Lovell	Xtreme Structures and Fabrication	A	MP
Andrew Young	Andrew Young	I	U
Kalen Larson	ZFX, Inc.	P	CP
Robert Dean	ZFX, Inc.	A	CP
Total votes possible		70	

Votes by interest categories	
13	CP
10	MP
16	DR
10	U
12	G
9	DE

4 Approval of the minutes from the last meeting

[See RWGmin10-2020_DRAFT.pdf]

Dan Culhane moved to approve the minutes. The motion was seconded, and carried with no objection.

5 Approval of agenda

Dana Bartholomew moved to approve the agenda. The motion was seconded and carried with no objection.

6 Old Business

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

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.

The second public review for this draft ended, and a public review summary was sent to the working group, on 15 December 2020. No comments were received. Next step?

Elmer Veith moved that the document be accepted as an American National Standard. The motion was seconded. The question shall be decided by letter ballot.

6.3 ANSI E1.4-1 - 2016, Entertainment Technology--Manual Counterweight Rigging Systems *Task group members:* Richard Nix (Leader), Bruce Darden, Dan Culhane, Eric Rouse; Jim Niesel; Pat Grenfell; Peter Batt; Peter Scheu; Reid Neslage; Sam Michael; Ted Jones

Any updates?

Richard Nix reported. The task group has had some meetings. He committed to have a document for public review at the next meeting.

6.4 BSR E1.4-2 - 202x, Entertainment Technology—Statically Suspended Rigging Systems
Task group members: Bart Mueller (leader) Ethan Gilson, Ted Jones, Jesse Adams, Brad Dittmer, and Peter Batt
[See BSR_E1-4-2_PR4_CmmntResols_Draft.pdf and BSRE 1.4-2DRAFT_Rig2015-2023r8a.pdf]

The task group has returned draft comment resolutions and a revised draft standard for your consideration. Next step?

Bart Mueller reported that there were three comments, two of which were easy to resolve, but one was more difficult to resolve. They added two definitions, rejected another comment, and testing was removed because there was no testing in the standards. This was all discussed.

Bart Mueller moved to accept the proposed resolutions. The motion was seconded and carried unanimously.

Since the approved resolutions made no substantive change to the document, Bart Mueller then moved to accept the document as an ANS. The motion was seconded, and will be decided by letter ballot.

6.5 ANSI E1.4-3 - 2020, Entertainment Technology - Manually Operated Hoist Rigging Systems
(Reaffirm, revise, or withdraw before 02 June 2025)

No news or action now.

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

The motion to accept as an ANS has carried through RWG, TSC, and ExC. A BSR9 has been filed with ANSI.

Richard Nix reported the BSR 9 has been filed. *[TSM note: it's been approved, and is published as of 08 February 2021]*

6.7 ANSI E1.6-2 - 2020, Entertainment Technology--Design, Inspection, and Maintenance of Electric Chain Hoists for the Entertainment Industry
(Reaffirm, revise, or withdraw before 14 August 2025)

No news or action now.

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)

No news or action now.

6.9 BSR E1.6-4 - 202x, Design, Manufacture, and Inspection of Portable Controls for Electric Chain Hoists in the Entertainment Industry (Last published in 2013 – Open for revision)

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

From the October 2020 draft meeting minutes:

Joe Jeremy reported that the task group had met and made some changes to this draft and to the new E1.6-5. He said he hopes to have a draft of both done for the January meeting.

Joseph Jeremy reported no news. Had hoped to have a document for this meeting, but the task group is not ready yet. There should be a document for the next meeting.

6.10 BSR E1.6-5, Selection and Use of Portable Controls for Electric Chain Hoists in the Entertainment Industry

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

Joseph Jeremy reported no news. Had hoped to have a document for this meeting, but the task group is not ready yet. There should be a document for the next meeting.

6.11 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)

No news.

6.12 ANSI E1.15 - 2006 (R2016), Entertainment Technology--Recommended Practices and Guidelines for the Assembly and Use of Theatrical Boom & Base Assemblies (Currently open for reaffirmation)

The public review closed on 15 December 2020 (no comments received), and the motion to reaffirm was carried by the RWG letter ballot, which closed on 07 January 2021. The motion has been forwarded to the TSC for consideration.

Richard Nix reported that the TSC approved it and the motion is going to the Executive Committee. This was incorrectly reported, and should have said “it’s on the TSC’s 01 Feb 2021 meeting agenda, and - if it carries there - it will then forward to the ExC.” The TSC carried the motion, so it has in fact forwarded to the ExC.

6.13 ANSI E1.21 - 2020, Entertainment Technology — Temporary Structures Used for Technical Production of Outdoor Entertainment Events (Reaffirm, revise, or withdraw before 23 March 2025)

No news or action at this time.

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

Bill Sapsis appointed Dan Culhane to form a task group to make a recommendation for reaffirmation, revision, or withdrawal. Tim Hansen, and Bruce Darden volunteered to assist, so they were also appointed to the task group.

6.15 BSR E1.39 - 202x, 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, Allen Winzler, and Bill Sapsis.

The public review closed, and a comment summary was sent to the RWG, on 15 December 2020. What's the next step?

Ethan Gilson reported no public review comments. He moved to accept it as an ANS. The motion was seconded, and will be decided by letter ballot.

6.16 ANSI E1.43 - 2016, Live performer flying effect standard (Open for revision)

Task group members: Eric Rouse (task group leader), Jonathan Duell, Ryan Kunkel, Robert Dean, Tracy Nunnally, Bill Gorlin, Fred Caron, and Stewart Stephens

Eric Rouse reported. the task group is looking to make it include installations that are not automated.

6.17 Rigging Glossary

Chris Kaiser reported that it has been updated, but not yet sent to the working group. She will send it for distribution.

6.18 ANSI E1.47 – 2020, Recommended Guidelines for Entertainment Rigging System Inspections (Reaffirm, revise or withdraw before 18 June 2025)

No news or action.

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

No news or action.

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

No news or action.

6.21 BSR E1.67 – 202x, Design, Inspection, Maintenance, Selection, and Use of Hand-operated Chain- and Lever Hoists for the Entertainment Industry

Task group members: Mike Weston, Jacob Abbott (leader), Dana Bartholomew; and Charlie Weiner, John Ringleman, Elmer Veith

Jacob Abbott reported that no comments were received during the public review.

Jay Cid moved to accept as American National Standard. The motion was seconded and carried without discussion, objection or abstentions. The motion will be decided by letter ballot.

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

Jacob Abbott, Ethan Gilson (task group leader), Eric Rouse, Will Todd, Elmer Veith, Ryan Riordan, and Max Wilson

Ethan Gilson said that the task group will be convened to work on this.

7 New business

8 Other business and announcements

Bill Sapsis said that the July NATEAC meeting will be virtual. Someone else said the New World Rigging Symposium will be held from 6-8 April 2021.

8.1 Above & Beyond Awards

Above and Beyond awards were presented to Reid Neslage of H&H Specialties, and to Ethan Gilson of Entertainment Rigging Services. Richard Nix read the nomination wording to the working group, as the awards were displayed for all to see. The working group at large responded with a round of applause and congratulations for the recipients.

9 Schedule for future meetings

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

Richard and Karl confirmed that the meeting schedule is now posted. Our next meeting is at 11:00 AM Tuesday 13 April 2021

10 Adjournment

Bruce Darden moved to adjourn, and the motion was seconded. The agenda being completed Bill Sapsis declared the meeting adjourned at 11:59.

Rigging Working Group members as of 26 January 2021

Name	Representing	Status	Int cat	Address	City	State/ province	Postal code	Country	Phone	Email
Jacob Abbott	PSAV Presentation Services	O	U	6244 Stone Lake Dr	Fort Worth	TX	76179-7732	USA	1-972-505-1782	jabbott@psav.com
Jesse Adams	Rose Brand Wipers, Inc	P	DR	4 Emerson Lane	Secaucus	NJ	07094	USA	1-201-809-1730x146	jesse.adams@rosebrand.com
Tracie Allen	T6 Truss Designs. LLC	A	CP	5515 N 100 W	Anderson	IN	46011	USA	937-206-8844	tracie@T6Truss.com
Matthew Antonucci	Contract Services Administration Trust Fund	O	U	2800 Winona Avenue	Burbank	CA	91504	USA	1-818-565-0550 x1065	mantonucci@csatf.org
Brent Armstrong	Alpine Rigging & Structural Design	O	CP	3000 S. Highland Dr., Suite E	Las Vegas	NV	89109	USA	1-702-608-5503	brent@alpinerrigging.com
William Ian Auld	Auld Entertainment	O	U	3601 Vicary Square NE Suite #3	Canton	OH	44714	USA	1-773-318-1042	WilliamIanAuld@hotmail.com
Robert Barbagallo	Solotech Inc.	O	DR	4820 4th Avenue	Montreal	QC	H1Y 2T8	Canada	1-514-526-7721 x 241	r_barbagallo@videotron.ca
Dana Bartholomew	Silver State Wire Rope and Rigging	P	DR	8740 South Jones Blvd.	Las Vegas	NV	89139	USA	1-702-597-2010	dana@silverstatewirerope.net
Patrick Bash	In-House Productions	P	DR	6620 W Arby Ave	Las Vegas	NV	89118		1-702-631-4748	pat@ihplabor.com
Peter W. Batt	Mainstage Theatrical Supply, Inc	P	DR	530 Lakewood Road	Pensacola	FL	32507	USA	1-408-398-0102	pbaccts@gmail.com
William Beautyman	Limelight Productions, Inc.	O	DR	471 Pleasant Street	Lee	MA	01238	USA	1-413-243-4950	wbeautyman@limelightproductions.com
Drew Becker	InterAmerica Stage, Inc.	A	CP	5401 Benchmark Ln	Sanford	FL	32773	USA	321-214-8492	dbecker@iastage.com
Justin Bennett	University of the Incarnate Word	O	U	4301 Broadway St, CPO#335	San Antonio	TX	78209	USA	1-210-829-3809	jbennett@uiwtx.edu
Jordi Van Berkum	Cybermotion North America	P	DR	181 East Steigel St	Manheim	PA	17545	USA	1-717-925-4035	jordi.vanberkum@cybermotion-rental.us
Ian Bevan	Walt Disney Company	P	DE	700 West Ball Road. TDA 343B	Anaheim	CA	92802	USA	1-714-781-0135#1-714-747-7964	ian.Bevan@disney.com, imacbevan@aol.com
Roy Bickel	Roy Bickel	O	G	1205 Cahlan Drive	Las Vegas	NV	89102	USA	1-702-497-4321	roybickel@aol.com
Tyler Bland	Walt Disney Company	O	U	3410 Buena Vista Dr.	Orlando	FL	32830	USA		tyler.bland@disney.com
Keith Bohn	Area Four Industries	A	MP	2907 Sunray Valley Ct	Arlington	TX	76012	USA	1-682-622-9494 mobile	kbohn@prolyte.com

Rigging Working Group members as of 26 January 2021

Bennett Brian	Reed Rigging Inc.	P	DR	4400 W. 45th St.	Chicago	IL	60632	USA	1-773-521-7333	ben@reedrigging.com
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