

Minutes
Rigging Working Group
 Tuesday, 17 November 2009
 Rosen Plaza Hotel
 Orlando, Florida

Chairmen: Kent H. Jorgensen; IATSE Local 80; P; G
 Bill Sapsis; Sapsis Rigging, Inc.; P; U

Recording secretary: Jerry Gorrell; Theatre Safety Programs; P; G

Members signing the attendance sheet in addition to the above:

Name	Company	Representing (primary sort field)	Voting status during meeting	Int. cat.
Woody Pyeatt	A V Pro, Inc.	A V Pro, Inc.	P	DR
Ethan William Gilson	ALPS	Advanced Lighting and Production Services	P	U
Wendy Holt	AMPTP/CSATF	Alliance of Motion Picture and Television Producers	P	G
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P	U
Jon Lenard	Applied Electronics	Applied Electronics	P	MP
James Niesel	Arup	Arup	P	G
Charlie Weiner	Charlie Weiner	Charlie Weiner	P	U
Edward A. (Ted) Paget	Vortek Rigging Division	Daktronics Inc.	P	CP
M. Brad Dittmer	Downhome Productions	Downhome Productions	P	U
Harvey Sweet	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	P	MP
Michael Lichter	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	A	MP
Dana Bartholomew	Fisher Technical Services	Fisher Technical Services, Inc.	P	CP
Rocky Paulson	Stage Rigging, Inc.	Freeman Companies	P	DR
John Ringelman	Stage Rigging, Inc.	Freeman Companies	A	DR
Miriam Paschetto	Geiger Engineers	Geiger Engineers	P	G
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP
Ed Garstkiewicz	Harting Inc., North America	Harting KGAA	P	G
Roger Lattin	I.A.T.S.E .Local 728	I.A.T.S.E. Local 728	P	U
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	CP
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P	MP
Bob Medve	Limelight Productions, Inc.	Limelight Productions, Inc.	A	DR
William B. Gorlin	McLaren Engineering Group	M.G. McLaren, P.C.	P	G
Martin Moore	Martin Moore	Martin Moore	I	G

Name	Company	Representing (primary sort field)	Voting status during meeting	Int. cat.
Vincent J. Cannavale	Motion Laboratories	Motion Laboratories	P	CP
Shawn Sack	Mountain Productions Inc.	Mountain Productions Inc.	P	DR
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	DR
Ron Bonner	PLASA	PLASA	P	G
John (Jack) Miller	Scenic Technologies	Production Resource Group	P	CP
Rick Montgomery	R&M Materials Handling	R&M Materials Handling	P	MP
Daniel Lynn Houser	Real Rigging Solutions, LLC	Real Rigging Solutions, LLC	P	U
Shawn Nolan	Reed Rigging, Inc.	Reed Rigging, Inc.	P	DR
Bruce Darden	Rigging Innovators, Inc.	Rigging Innovators, Inc.	P	CP
Dan Culhane	SECOA	SECOA	P	CP
Monica Skjonberg	Skjonberg Controls, Inc.	Skjonberg Controls, Inc.	A	CP
Steve Walker	Steve A. Walker & Associates	Steve A. Walker & Associates	P	G
Richard J. Nix	Entertainment Structures Group	Steven Schaefer Associates	P	G
Christine L. Kaiser	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	P	DR
Stephen G. Surratt	Texas Scenic Company	Texas Scenic Company	P	DR
John C. Snook	Thermotex Industries Inc.	Thermotex Industries Inc.	O	CP
Adrian Forbes-Black	Total Structures Inc.	Total Structures Inc.	P	MP
Elmer Veith	Total Structures - Eastern US Sales Office	Total Structures, Inc.	A	MP
Keith Bohn	Tomcat USA, Inc.	Vitec Group plc	P	MP
Will Todd	Tomcat USA, Inc.	Vitec Group plc	A	MP
Michael Wells	Xtreme Structures & Fabrication	Xtreme Structures & Fabrication	O	CP
Joseph Champelli	ZFX Flying Inc.	ZFX Flying Inc.	P	DR

Visitor: Jason Adams; Atlanta Rigging Systems

1 Opening remarks

Bill Sapsis called the meeting to order at 19:02.

2 Attendance and membership

2.1 Introduction of those present

Those present introduced themselves.

2.2 Circulation of attendance sign-in sheet

A hot pink attendance sign-in sheet was circulated. Those present were instructed to find their names on the sheet and check off that they were present, or to add their names to the visitors' pages.

2.3 Call for quorum

Bill Sapsis asked for a voters' show of hands. He counted the upraised hands and then announced that a quorum was present and business could be conducted.

2.4 Requirements for membership

Bill Sapsis reminded the assembly that membership is open to all who are affected by the work of the group. People who would be in the dealer/rental company or user interest groups are particularly encouraged to join. However, voting members are required to attend meetings and to vote on letter ballots. Any principal member and voting alternate who both miss three consecutive meetings or letter ballots will have their membership status changed to observer.

2.5 Changes of membership status resulting from lack of attendance

The following voters and their alternates have missed the last two consecutive meetings, and will be moved to observer status if they miss this one:

Charlie Weiner

Weiner was present so there was no change of status.

2.6 Processing of new membership requests

Name	Company	Representing	Voting status	Int. cat.
Gary Mardling	Kish Rigging	Kish Rigging	observer	DR
William B. Gorlin	McLaren Engineering Group	M.G. McLaren, P.C.	principal	G
Donald Halchak	Mountain Productions Inc.	Mountain Productions Inc.	alternate	DR
Miriam Pashetto	Geiger Engineers	Geiger Engineers	principal	G
Shawn Nolan	Reed Rigging, Inc.	Reed Rigging, Inc.	principal	DR

Ethan Gilson of ALPS, Daniel Lynn Houser of Real Rigging Solutions, and Joseph Champelli of ZFX Flying asked for changes in voting status from observer to principal.

Ted Paget moved that those applying and requesting changes of voting status have their requests be accepted. The motion was seconded and then agree to with a show of hands.

2.7 Consensus body

The full consensus body during this meeting, including those not present, was:

Name	Company	Representing	Voting status	Int. cat.
Woody Pyeatt	A V Pro, Inc.	A V Pro, Inc.	P	DR
Ethan William Gilson	ALPS	Advanced Lighting and Production Services	P	U
William Bradburn	Aerial Arts, Inc.	Aerial Arts, Inc.	P	U
Wendy Holt	AMPTP/CSATF	Alliance of Motion Picture and Television Producers	P	G
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P	U
R. Duane Wilson	George C. Izenour Associates	Amer. Society of Theatre Consultants	A	U
Jon Lenard	Applied Electronics	Applied Electronics	P	MP
James Niesel	Arup	Arup	P	G
Donald A. Hoffend, Jr.	Avista Designs, LLC	Avista Designs, LLC	P	G
Charlie Weiner	Charlie Weiner	Charlie Weiner	P	U
Ted Jones	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	P	U

Name	Company	Representing	Voting status	Int. cat.
Herb Hart	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP
Edward A. (Ted) Paget	Vortek Rigging Division	Daktronics Inc.	P	CP
Pat Grenfell	Vortek	Daktronics Inc.	A	CP
M. Brad Dittmer	Downhome Productions	Downhome Productions	P	U
Harvey Sweet	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	P	MP
Michael Lichter	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	A	MP
Dana Bartholomew	Fisher Technical Services	Fisher Technical Services, Inc.	P	CP
Dan Lisowski	Fisher Technical Services, Inc.	Fisher Technical Services, Inc.	A	CP
Rocky Paulson	Stage Rigging, Inc.	Freeman Companies	P	DR
John Ringelman	Stage Rigging, Inc.	Freeman Companies	A	DR
Miriam Paschetto	Geiger Engineers	Geiger Engineers	P	G
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP
Ed Garstkiewicz	Harting Inc., North America	Harting KGAA	P	G
Jody Williquette	Harting Inc., North America	Harting KGAA	A	G
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
Roger Lattin	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	P	U
Kent H. Jorgensen	IATSE Local 80	IATSE Local 80	P	G
Peter V. Svitavsky	J.R. Clancy Inc.	J. R. Clancy Inc.	P	CP
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	CP
Thomas S. Young	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	CP
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P	MP
Tray Allen	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	A	MP
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	DR
Bob Medve	Limelight Productions, Inc.	Limelight Productions, Inc.	A	DR
William B. Gorlin	McLaren Engineering Group	M.G. McLaren, P.C.	P	G
Martin Moore	Martin Moore	Martin Moore	I	G
Vincent J. Cannavale	Motion Laboratories	Motion Laboratories	P	CP
Peter Herrmann	Motion Laboratories	Motion Laboratories	A	CP
David Herrmann	Motion Laboratories	Motion Laboratories	A	CP
Shawn Sack	Mountain Productions Inc.	Mountain Productions Inc.	P	DR
Donald Halchak	Mountain Productions Inc.	Mountain Productions Inc.	A	DR
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	DR
Spencer Brown	Oasis Stage Werks	Oasis Stage Werks	A	DR
Ron Bonner	PLASA	PLASA	P	G
John (Jack) Miller	Scenic Technologies	Production Resource Group	P	CP
Rick Montgomery	R&M Materials Handling	R&M Materials Handling	P	MP
Joe Ingle	R&M Materials Handling	R&M Materials Handling	A	MP
Daniel Lynn Houser	Real Rigging Solutions, LLC	Real Rigging Solutions, LLC	P	U
Shawn Nolan	Reed Rigging, Inc.	Reed Rigging, Inc.	P	DR
Bruce Darden	Rigging Innovators, Inc.	Rigging Innovators, Inc.	P	CP
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	U

Name	Company	Representing	Voting status	Int. cat.
Peter A. Scheu	Scheu Consulting Services	Scheu Consulting Services	P	G
Kimberly Corbett	Schuler Shook	Schuler Shook	P	G
Joshua Grossman	Schuler Shook	Schuler Shook	A	G
Dan Culhane	SECOA	SECOA	P	CP
Jerald Kraft	SECOA	SECOA	A	CP
Knut Skjonberg	Skjonberg Controls, Inc.	Skjonberg Controls, Inc.	P	CP
Monica Skjonberg	Skjonberg Controls, Inc.	Skjonberg Controls, Inc.	A	CP
Nathan Wells	Stage Technologies	Stage Technologies	P	MP
Steve Walker	Steve A. Walker & Associates	Steve A. Walker & Associates	P	G
Richard J. Nix	Entertainment Structures Group	Steven Schaefer Associates	P	G
Kyle Kusmer	Entertainment Structures Group	Steven Schaefer Associates	A	G
Christine L. Kaiser	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	P	DR
Frank Willard	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	A	DR
Stephen G. Surratt	Texas Scenic Company	Texas Scenic Company	P	DR
Eugene Leitermann	Theatre Projects Consultants, Inc.	Theatre Projects Consultants, Inc.	P	G
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	G
Jeff Wilkowski	Thern, Inc.	Thern, Inc.	P	MP
Adrian Forbes-Black	Total Structures Inc.	Total Structures Inc.	P	MP
Elmer Veith	Total Structures - Eastern US Sales Office	Total Structures, Inc.	A	MP
Theresa Kelley	Total Structures Inc.	Total Structures Inc.	A	MP
Keith Bohn	Tomcat USA, Inc.	Vitec Group plc	P	MP
Will Todd	Tomcat USA, Inc.	Vitec Group plc	A	MP
Pete Happe	Walt Disney Imagineering	Walt Disney Company	P	U
Joseph Champelli	ZFX Flying Inc.	ZFX Flying Inc.	P	DR

Total votes possible	53	
Votes by interest category	8	CP
	10	MP
	9	DR
	11	U
	15	G

3 Approval of minutes from the previous meeting

Ted Paget moved that the minutes of the July 2009 meeting be accepted as written. The motion was seconded and then approved with a show of hands.

4 ESTA declarations

4.1 Anti-trust statement

Bill Sapsis read the following statement aloud to the assembly:

"The ESTA Board of Directors, the Technical Standards Committee, and the leadership of this working group will reject or nullify any actions that unlawfully restrain trade. Anyone who feels that such an action is being

or has been taken is requested to bring that matter to the attention of the chair immediately. Anyone who feels that actions in restraint of trade have been taken and not properly annulled is requested to notify the TSC chair or ESTA president immediately.

"ESTA legal counsel has informed us that violations of the anti-trust laws can have serious consequences. Individuals engaged in certain unlawful conduct can be found criminally liable. An individual convicted of a criminal violation of the Sherman Act may be fined as much as \$1,000,000 and imprisoned for up to ten years. An easy to read pamphlet describing restraint of trade issues is available from the Technical Standards Manager."

No restraint of trade issues were brought to the attention of the assembly.

4.2 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 or copyright or other 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."

No patents or other protected intellectual property were revealed.

5 Approval of the agenda

Wendy Holt moved that the draft agenda be accepted. The motion was seconded and then approved with a show of hands.

6 Old business

6.1 ANSI E1.1-2006, wire rope ladders revision

No news or action.

6.2 ANSI E1.2-2006, Entertainment Technology - Design, Manufacture and Use of Aluminum Trusses and Towers

No news or action.

6.3 ANSI E1.4-2009, Entertainment Technology--Manual Counterweight Rigging Systems

No news or action.

6.4 BSR E1.6-1, Entertainment Technology--Powered Hoist Systems

6.4.1 Public review comment resolutions

Discussion of the motion to approve a set of proposed comment resolutions for the first review of BSR E1.6-1 and closing of the vote on ballot Rig/2009-2020. See E1-6-1_1stRvwRplyLtrBllt-Totl.pdf and E1-6-1_1stRevwReply.pdf.

No voter changed his or her letter ballot vote during the meeting. The motion carried with a supermajority voting Yes. Out of a voting body for the letter ballot of 48, 32 voted Yes, one voted No, and 15 ballots were not returned and were recorded as missed letter ballots.

	Yes	Yes with comments	No with reasons	Abstain	No ballot returned	Total
custom-market	4	0	0	0	4	8

producer						
mass-market product	8	0	0	0	2	10
dealer or rental company	6	0	0	0	1	7
user	4	0	1	0	4	9
general interest	10	0	0	0	4	14
Total	32	0	1	0	15	48

There was a discussion of results of the ballots. Bill Sapsis answered questions about what would now happen with these documents and the general process documents follow.

6.4.2 Second public review of BSR E1.6-1

Discussion of motion offering a revised version of BSR E1.6-1 for public review and closing of the vote on ballot Rig/2009-2021. See E1-6-1_2ndRvwLtrBltt-Totl.pdf and E1-6-1_2006-2011r2.pdf.

No voter changed his or her letter ballot vote during the meeting. The motion carried with a supermajority voting Yes. Out of a voting body for the letter ballot of 48, 31 voted Yes, four voted No, and 13 returned no ballots and were recorded as missed letter ballots.

	Yes	Yes with comments	No with reasons	Abstain	No ballot returned	Total
custom-market producer	4	0	0	0	4	8
mass-market product	8	0	0	0	2	10
dealer or rental company	4	0	2	0	1	7
user	5	0	1	0	3	9
general interest	10	0	1	0	3	14
Total	31	0	4	0	13	48

Bill Sapsis thanked the E1.6-1 first review resolution task group for their hard work. That task is now finished. He announced that a new task group would be appointed if a new task group is needed. A discussion of why the task group was being disbanded ensued. Sapsis explained that task groups cease to exist when their tasks are completed, that they are ad hoc committees, not standing committees.

6.5 BSR E1.6-2, Entertainment Technology--Design, Inspection, and Maintenance of Serially Manufactured Electric Chain Hoists for the Entertainment Industry

Response to public review comments. See E1-6-2FfthRvwRslsDRAFT.pdf and E1_6-2_2005-2040r6.pdf.

Dan Culhane made report on the work of the task group. Culhane made a motion to accept the comment resolutions detailed in E1 6-2FfthRvwRslsDRAFT.pdf. There was a discussion in which concern was expressed about thoroughness of resolutions.

The motion was accepted by a supermajority on a show of hands vote, with Bill Sapsis counting the up-raised hands and announcing 36 Yes votes, three No votes, and three Abstain votes.

Dan Culhane moved that the draft BSR E1.6-2 document (E1_6-2_2005-2040r6) be accepted as an accurate implementation of the approved resolutions. The motion was seconded, and then accepted by a supermajority with a roll call vote.

Name	Company	Representing	Voting status	Int. cat.	Yes	Yes with comments	No with reasons	Abstain
Woody Pyeatt	A V Pro, Inc.	A V Pro, Inc.	P	DR	Y			
Ethan William Gilson	ALPS	Advanced Lighting and Production Services	P	U	Y			
William Bradburn	Aerial Arts, Inc.	Aerial Arts, Inc.	P	U				
Wendy Holt	AMPTP/CSATF	Alliance of Motion Picture and Television Producers	P	G	Y			
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P	U			N	
R. Duane Wilson	George C. Izenour Associates	Amer. Society of Theatre Consultants	A	U				
Jon Lenard	Applied Electronics	Applied Electronics	P	MP	Y			
James Niesel	Arup	Arup	P	G			N	
Donald A. Hoffend, Jr.	Avista Designs, LLC	Avista Designs, LLC	P	G				
Charlie Weiner	Charlie Weiner	Charlie Weiner	P	U	Y			
Ted Jones	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	P	U				
Herb Hart	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP				
Edward A. (Ted) Paget	Vortek Rigging Division	Daktronics Inc.	P	CP	Y			
Pat Grenfell	Vortek	Daktronics Inc.	A	CP				
M. Brad Dittmer	Downhome Productions	Downhome Productions	P	U	Y			
Harvey Sweet	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	P	MP	Y			
Michael Lichter	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	A	MP				
Dana Bartholomew	Fisher Technical Services	Fisher Technical Services, Inc.	P	CP	Y			
Dan Lisowski	Fisher Technical Services, Inc.	Fisher Technical Services, Inc.	A	CP				
Rocky Paulson	Stage Rigging, Inc.	Freeman Companies	P	DR	Y			
John Ringelman	Stage Rigging, Inc.	Freeman Companies	A	DR				
Miriam Paschetto	Geiger Engineers	Geiger Engineers	P	G				A
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP	Y			
Ed Garstkiewicz	Harting Inc., North America	Harting KGAA	P	G	Y			
Jody Williquette	Harting Inc., North America	Harting KGAA	A	G				
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U				
Roger Lattin	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	P	U	Y			
Kent H. Jorgensen	IATSE Local 80	IATSE Local 80	P	G	Y			
Peter V. Svitavsky	J.R. Clancy Inc.	J. R. Clancy Inc.	P	CP				
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	CP	Y			
Thomas S. Young	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	CP				
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P	MP	Y			
Tray Allen	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	A	MP				
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	DR	Y			
Bob Medve	Limelight Productions, Inc.	Limelight Productions, Inc.	A	DR				
William B. Gorlin	McLaren Engineering Group	M.G. McLaren, P.C.	P	G				A
Martin Moore	Martin Moore	Martin Moore	I	G			N	
Vincent J. Cannavale	Motion Laboratories	Motion Laboratories	P	CP	Y			
Peter Herrmann	Motion Laboratories	Motion Laboratories	A	CP				

Name	Company	Representing	Voting status	Int. cat.	Yes	Yes with comments	No with reasons	Abstain
David Herrmann	Motion Laboratories	Motion Laboratories	A	CP				
Shawn Sack	Mountain Productions Inc.	Mountain Productions Inc.	P	DR	Y			
Donald Halchak	Mountain Productions Inc.	Mountain Productions Inc.	A	DR				
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	DR	Y			
Spencer Brown	Oasis Stage Werks	Oasis Stage Werks	A	DR				
Ron Bonner	PLASA	PLASA	P	G	Y			
John (Jack) Miller	Scenic Technologies	Production Resource Group	P	CP	Y			
Rick Montgomery	R&M Materials Handling	R&M Materials Handling	P	MP	Y			
Joe Ingle	R&M Materials Handling	R&M Materials Handling	A	MP				
Daniel Lynn Houser	Real Rigging Solutions, LLC	Real Rigging Solutions, LLC	P	U	Y			
Shawn Nolan	Reed Rigging, Inc.	Reed Rigging, Inc.	P	DR	Y			
Bruce Darden	Rigging Innovators, Inc.	Rigging Innovators, Inc.	P	CP	Y			
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	U				A
Peter A. Scheu	Scheu Consulting Services	Scheu Consulting Services	P	G				
Kimberly Corbett	Schuler Shook	Schuler Shook	P	G				
Joshua Grossman	Schuler Shook	Schuler Shook	A	G				
Dan Culhane	SECOA	SECOA	P	CP	Y			
Jerald Kraft	SECOA	SECOA	A	CP				
Knut Skjonberg	Skjonberg Controls, Inc.	Skjonberg Controls, Inc.	P	CP				
Monica Skjonberg	Skjonberg Controls, Inc.	Skjonberg Controls, Inc.	A	CP	Y			
Nathan Wells	Stage Technologies	Stage Technologies	P	MP				
Steve Walker	Steve A. Walker & Associates	Steve A. Walker & Associates	P	G	Y			
Richard J. Nix	Entertainment Structures Group	Steven Schaefer Associates	P	G	Y			
Kyle Kusmer	Entertainment Structures Group	Steven Schaefer Associates	A	G				
Christine L. Kaiser	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	P	DR	Y			
Frank Willard	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	A	DR				
Stephen G. Surratt	Texas Scenic Company	Texas Scenic Company	P	DR	Y			
Eugene Leitermann	Theatre Projects Consultants, Inc.	Theatre Projects Consultants, Inc.	P	G				
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	G	Y			
Jeff Wilkowski	Thern, Inc.	Thern, Inc.	P	MP				
Adrian Forbes-Black	Total Structures Inc.	Total Structures Inc.	P	MP	Y			
Elmer Veith	Total Structures - Eastern US Sales Office	Total Structures, Inc.	A	MP				
Theresa Kelley	Total Structures Inc.	Total Structures Inc.	A	MP				
Keith Bohn	Tomcat USA, Inc.	Vitec Group plc	P	MP	Y			
Will Todd	Tomcat USA, Inc.	Vitec Group plc	A	MP				
Pete Happe	Walt Disney Imagineering	Walt Disney Company	P	U				
Joseph Champelli	ZFX Flying Inc.	ZFX Flying Inc.	P	DR	Y			

	Yes	Yes with comments	No with reasons	Abstain	Not present	Total
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custom-market producer	8	0	0	0	0	8
mass-market product	7	0	0	0	3	10
dealer or rental company	9	0	0	0	0	9
user	5	0	1	1	4	11
general interest	7	0	2	2	4	15
Total	36	0	3	3	11	53

Dan Culhane then moved that the revise draft BSR E1.6-2 document (E1_6-2_2005-2040r6) be offered for public review. The motion was seconded, and then approved with a roll call ballot.

Name	Company	Representing	Voting status	Int. cat.	Yes	Yes with comments	No with reasons	Abstain
Woody Pyeatt	A V Pro, Inc.	A V Pro, Inc.	P	DR	Y			
Ethan William Gilson	ALPS	Advanced Lighting and Production Services	P	U	Y			
William Bradburn	Aerial Arts, Inc.	Aerial Arts, Inc.	P	U				
Wendy Holt	AMPTP/CSATF	Alliance of Motion Picture and Television Producers	P	G	Y			
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P	U			N	
R. Duane Wilson	George C. Izenour Associates	Amer. Society of Theatre Consultants	A	U				
Jon Lenard	Applied Electronics	Applied Electronics	P	MP	Y			
James Niesel	Arup	Arup	P	G			N	
Donald A. Hoffend, Jr.	Avista Designs, LLC	Avista Designs, LLC	P	G				
Charlie Weiner	Charlie Weiner	Charlie Weiner	P	U	Y			
Ted Jones	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	P	U				
Herb Hart	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP				
Edward A. (Ted) Paget	Vortek Rigging Division	Daktronics Inc.	P	CP	Y			
Pat Grenfell	Vortek	Daktronics Inc.	A	CP				
M. Brad Dittmer	Downhome Productions	Downhome Productions	P	U	Y			
Harvey Sweet	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	P	MP	Y			
Michael Lichter	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	A	MP				
Dana Bartholomew	Fisher Technical Services	Fisher Technical Services, Inc.	P	CP	Y			
Dan Lisowski	Fisher Technical Services, Inc.	Fisher Technical Services, Inc.	A	CP				
Rocky Paulson	Stage Rigging, Inc.	Freeman Companies	P	DR	Y			
John Ringelman	Stage Rigging, Inc.	Freeman Companies	A	DR				
Miriam Paschetto	Geiger Engineers	Geiger Engineers	P	G				A
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP	Y			
Ed Garstkiewicz	Harting Inc., North America	Harting KGAA	P	G	Y			
Jody Williquette	Harting Inc., North America	Harting KGAA	A	G				
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U				
Roger Lattin	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	P	U	Y			
Kent H. Jorgensen	IATSE Local 80	IATSE Local 80	P	G	Y			
Peter V. Svitavsky	J.R. Clancy Inc.	J. R. Clancy Inc.	P	CP				

Name	Company	Representing	Voting status	Int. cat.	Yes	Yes with comments	No with reasons	Abstain
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	CP	Y			
Thomas S. Young	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	CP				
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P	MP	Y			
Tray Allen	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	A	MP				
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	DR	Y			
Bob Medve	Limelight Productions, Inc.	Limelight Productions, Inc.	A	DR				
William B. Gorlin	McLaren Engineering Group	M.G. McLaren, P.C.	P	G				A
Martin Moore	Martin Moore	Martin Moore	I	G			N	
Vincent J. Cannavale	Motion Laboratories	Motion Laboratories	P	CP	Y			
Peter Herrmann	Motion Laboratories	Motion Laboratories	A	CP				
David Herrmann	Motion Laboratories	Motion Laboratories	A	CP				
Shawn Sack	Mountain Productions Inc.	Mountain Productions Inc.	P	DR	Y			
Donald Halchak	Mountain Productions Inc.	Mountain Productions Inc.	A	DR				
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	DR	Y			
Spencer Brown	Oasis Stage Werks	Oasis Stage Werks	A	DR				
Ron Bonner	PLASA	PLASA	P	G	Y			
John (Jack) Miller	Scenic Technologies	Production Resource Group	P	CP	Y			
Rick Montgomery	R&M Materials Handling	R&M Materials Handling	P	MP	Y			
Joe Ingle	R&M Materials Handling	R&M Materials Handling	A	MP				
Daniel Lynn Houser	Real Rigging Solutions, LLC	Real Rigging Solutions, LLC	P	U	Y			
Shawn Nolan	Reed Rigging, Inc.	Reed Rigging, Inc.	P	DR	Y			
Bruce Darden	Rigging Innovators, Inc.	Rigging Innovators, Inc.	P	CP	Y			
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	U				A
Peter A. Scheu	Scheu Consulting Services	Scheu Consulting Services	P	G				
Kimberly Corbett	Schuler Shook	Schuler Shook	P	G				
Joshua Grossman	Schuler Shook	Schuler Shook	A	G				
Dan Culhane	SECOA	SECOA	P	CP	Y			
Jerald Kraft	SECOA	SECOA	A	CP				
Knut Skjonberg	Skjonberg Controls, Inc.	Skjonberg Controls, Inc.	P	CP				
Monica Skjonberg	Skjonberg Controls, Inc.	Skjonberg Controls, Inc.	A	CP	Y			
Nathan Wells	Stage Technologies	Stage Technologies	P	MP				
Steve Walker	Steve A. Walker & Associates	Steve A. Walker & Associates	P	G	Y			
Richard J. Nix	Entertainment Structures Group	Steven Schaefer Associates	P	G	Y			
Kyle Kusmer	Entertainment Structures Group	Steven Schaefer Associates	A	G				
Christine L. Kaiser	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	P	DR	Y			
Frank Willard	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	A	DR				
Stephen G. Surratt	Texas Scenic Company	Texas Scenic Company	P	DR	Y			
Eugene Leitermann	Theatre Projects Consultants, Inc.	Theatre Projects Consultants, Inc.	P	G				
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	G	Y			

Name	Company	Representing	Voting status	Int. cat.	Yes	Yes with comments	No with reasons	Abstain
Jeff Wilkowski	Thern, Inc.	Thern, Inc.	P	MP				
Adrian Forbes-Black	Total Structures Inc.	Total Structures Inc.	P	MP	Y			
Elmer Veith	Total Structures - Eastern US Sales Office	Total Structures, Inc.	A	MP				
Theresa Kelley	Total Structures Inc.	Total Structures Inc.	A	MP				
Keith Bohn	Tomcat USA, Inc.	Vitec Group plc	P	MP	Y			
Will Todd	Tomcat USA, Inc.	Vitec Group plc	A	MP				
Pete Happe	Walt Disney Imagineering	Walt Disney Company	P	U				
Joseph Champelli	ZFX Flying Inc.	ZFX Flying Inc.	P	DR	Y			

	Yes	Yes with comments	No with reasons	Abstain	Not present	Total
custom-market producer	8	0	0	0	0	8
mass-market product	7	0	0	0	3	10
dealer or rental company	9	0	0	0	0	9
user	5	0	1	1	4	11
general interest	7	0	2	2	4	15
Total	36	0	3	3	11	53

Sapsis thanked the task group for their hard work:

Christine Kaiser
Don Dimitroff
Hans van der Moolen
Herb Hart
Dana Bartholomew
Joe Ingle

Adrian Forbes-Black
Charlie Weiner
Keith Bohn
Shawn Sack
John Ringelman
Rocky Paulson

Dan Culhane
Steven Graham
Pete Happe
Elmer Veith
Chris Schmidt
Dan Lisowski

Bill Sapsis announced that a new task group would be appointed if further work is required on document.

6.6 BSR E1.6-3, Safe Use of Serially Manufactured Electric Chain Hoists in the Entertainment Industry

Attempt to resolve objections to the public review motion, and find a way forward. See BSRE1-6-3_2008-2019.pdf, WG_E1-6-3BallotSmmry2.pdf, BSRE1-6-3_2008-2019r1.pdf, and E1-6-3BlItSmmry_wTskGrpRspns.pdf.

There was a discussion of the changes that had been made to the draft standard to remove the objections to its public review.

Charlie Weiner moved that the revised version of BSR E1.6-3 (BSRE1-6-3_2008-2019r1.pdf) be offered for public review. The motion was seconded. The question will be decided by letter ballot.

Bill Sapsis noted the passing of Harry Donovan.

6.7 BSR E1.6-4, Control of Serially Manufactured Electric Chain Hoists in the Entertainment Industry

Progress report and any actions relevant to the BSR E1.6-4 project.

It was reported that a draft document is being reviewed by the task group, which is scheduled to meet November 18. A further report will be made at the January meeting.

6.8 ANSI E1.8-2005, Entertainment Technology--Loudspeaker Enclosures Intended for Overhead Suspension--Classification, Manufacture and Structural Testing

There was a discussion of possible interest in a revision of the document. Action was deferred to a future working group meeting

6.9 ANSI E1.15-2006, Entertainment Technology--Recommended Practices and Guidelines for the Assembly and Use of Theatrical Boom & Base Assemblies

No news or action.

6.10 ANSI E1.21-2006, Temporary Ground-Supported Overhead Structures Used To Cover Stage Areas and Support Equipment in the Production of Outdoor Entertainment Events

No news or action.

6.11 ANSI E1.22 - 2009, Entertainment Technology - Fire Safety Curtain Systems

There was a discussion of reopening the document for revision. A task group will be appointed in January.

6.12 Arup fire modeling project progress report

Jim Niesel reported that the first part of the project (Kwon, J., Alston, J., Jacoby, D., and Niesel, J., "Fire Safety in Theaters - A New Design Approach, Part I Assessment of Fire Safety Measures in Proscenium Theaters," The Fire Protection Research Foundation, Quincy, MA, Sep. 2009

<<http://www.nfpa.org/assets/files/PDF/Research/theatre.pdf>>) is published. The data for Part 2 is being reviewed by the fire engineers. It is expected to be published in March or April 2010. It will address the functioning of smoke vents, sprinklers, and fire safety curtains.

6.13 BSR E1.38 - 20xx, Temporary Ground-Supported Structures Used to Support Equipment in the Production of Outdoor Entertainment Events, Excluding Stage Roofs

Keith Bohn reported no progress.

6.14 BSR E1.39 - 20xx, Entertainment Technology – Recommendations for the Use of Fall Protection on Temporary Suspended and Ground-Supported Structures

Rocky Paulson reported that the first task group meeting will be 18 November 2009 (tomorrow).

7 New business

None.

8 Other business and announcements

It was announced that there will be a rigging meeting of interested parties in September 2010 in London. Chris Higgs is spearheading this project.

There was a discussion of inaccuracies in the Rigging Working Group information on the ESTA website. Bill Sapsis will follow-up on this.

Questions were raised about the possible effect on the TSP program of the proposed merger of PLAZA and ESTA. Mike Garl said it's a work in progress and Ron Bonner concurred

It was noted that the closing date for proposals for the 2013 edition of NFPA 80 is 23 November 2010.

8.1 New P&P

The new P&P was discussed. Some members of the working group said there were typographical errors in the document.

8.2 Uncrowding the Rigging Working Group meetings

Harvey Sweet suggested that the working group could be split into two groups to reduce the crowding in the room and the need for a large meeting room. He suggested that the division would be into permanent systems and nonpermanent equipment. Various other suggestions were made to split the group, and it was suggested that telecommunications technology could be used to expand participation to persons not physically present at a meeting.

Bill Sapsis suggested that the suggestions be submitted to him in writing, and further discussion would be held at the January meeting.

9 Schedule for future meetings

It was announced that the next meeting is scheduled for Thursday, 21 January 2010, 13:00 to 18:00 at the Dallas/Ft. Worth Marriott Solana. Sapsis noted the possibility that due to schedule issues that USITT meetings might be canceled.

10 Adjournment

Wendy Holt moved that the meeting adjourn. The motion was seconded and then approved with a show of hands. Bill Sapsis declared the meeting adjourned at 21:28.

Working Group Membership and Contact Information as of 11 December 2009

Name	Company	Representing	Voting status	Int. cat.
Woody Pyeatt	A V Pro, Inc.	A V Pro, Inc.	P	DR
Baer Long	Ninja Rigging	Act 1 Rigging Inc.	O	G
Ethan William Gilson	ALPS	Advanced Lighting and Production Services	P	U
William Bradburn	Aerial Arts, Inc.	Aerial Arts, Inc.	P	U
Michael G. Wiener	Aerial Rigging & Leasing, Inc.	Aerial Rigging & Leasing, Inc.	O	U
Andy Sutton	AFX UK Ltd.	AFX UK Ltd.	O	U
Wendy Holt	AMPTP/CSATF	Alliance of Motion Picture and Television Producers	P	G
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P	U
R. Duane Wilson	George C. Izenour Associates	Amer. Society of Theatre Consultants	A	U
Jim Fletcher	American Sling Company, Inc.	American Sling Company, Inc.	O	MP
André Broucke	André Broucke	André Broucke	O	G
John "Andrew" Munro	animaenagerie	animaenagerie	O	U
Jon Lenard	Applied Electronics	Applied Electronics	P	MP
James Niesel	Arup	Arup	P	G
Dennis J. Lopez	Automatic Devices Co.	Automatic Devices Co.	O	MP
Donald A. Hoffend, Jr.	Avista Designs, LLC	Avista Designs, LLC	P	G
Jiantong Wu	Beijing Special Engineering Design & Research Institute	Beijing Special Engineering Design & Research Institute	O	G
Buddy Braile	Bestek Lighting & Staging	Bestek Lighting & Staging	O	U
Lee J. Bloch	Bloch Design Group, Inc.	Bloch Design Group, Inc.	O	G
Joachim Stoecker	CAMCO GmbH	CAMCO GmbH	O	MP
Charles E. Gorgen	Charles E. Gorgen	Charles E. Gorgen	O	G
Charlie Weiner	Charlie Weiner	Charlie Weiner	P	U

Name	Company	Representing	Voting status	Int. cat.
Ted Jones	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	P	U
Herb Hart	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP
Mylan Lester	Creation Logics Ltd.	Creation Logics Ltd.	O	U
Howard R. Ott	D.E.O. Associates, Inc.	D.E.O. Associates, Inc.	O	G
Edward A. (Ted) Paget	Vortek Rigging Division	Daktronics Inc.	P	CP
Pat Grenfell	Vortek	Daktronics Inc.	A	CP
Wes Jenkins	Down Stage Right Industries	Down Stage Right Industries	O	CP
M. Brad Dittmer	Downhome Productions	Downhome Productions	P	U
Noga Eilon-Bahar	Eilon Engineering Industrial Weighing Systems	Eilon Engineering Industrial Weighing Systems	O	MP
Harvey Sweet	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	P	MP
Michael Lichter	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	A	MP
F. Robert Bauer	F.R. Bauer & Associates, LLC	F.R. Bauer & Associates, LLC	O	G
Cristina Delboni	Feeling Structures	Feeling Structures	O	MP
Dana Bartholomew	Fisher Technical Services	Fisher Technical Services, Inc.	P	CP
Dan Lisowski	Fisher Technical Services, Inc.	Fisher Technical Services, Inc.	A	CP
Ben Hayes	Freedom Flying	Freedom Flying	O	G
Rocky Paulson	Stage Rigging, Inc.	Freeman Companies	P	DR
Dean Hart	Stage Rigging, Inc.	Freeman Companies	O	U
John Ringelman	Stage Rigging, Inc.	Freeman Companies	A	DR
Miriam Paschetto	Geiger Engineers	Geiger Engineers	P	G
David M. Campbell	Geiger Engineers	Geiger Engineers	O	G
Timothy Mills	Geiger Engineers	Geiger Engineers	O	G
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP
Delbert Hall	Hall Associates Inc.	Hall Associates Inc.	O	U
Ed Garstkiewicz	Harting Inc., North America	Harting KGAA	P	G

Name	Company	Representing	Voting status	Int. cat.
Howard Forryan	Harting Ltd.	Harting KGAA	O	MP
Jody Williquette	Harting Inc., North America	Harting KGAA	A	G
Peter "Punch" Christian Schmidtke	Hollywood Lighting Services, Inc.	Hollywood Lighting, Inc.	O	DR
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
G. Anthony Phillips	I.A.T.S.E. Local 16	I.A.T.S.E. Local 16	O	U
Gregory C. Collis	I.A.T.S.E. Local 16	I.A.T.S.E. Local 16	O	G
Roger Lattin	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	P	U
Michael Dileso	IATSE Local 481	IATSE Local 481	O	U
Kent H. Jorgensen	IATSE Local 80	IATSE Local 80	P	G
Peter V. Svitavsky	J.R. Clancy Inc.	J. R. Clancy Inc.	P	CP
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	CP
Thomas S. Young	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	CP
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P	MP
Tray Allen	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	A	MP
Jay O. Glerum	Jay O. Glerum & Associates, Inc.	Jay O. Glerum & Associates, Inc.	O	U
Chuck McClelland	Jeamar Winches Inc.	Jeamar Winches Inc.	O	MP
John Kaes	John Kaes	John Kaes	O	U
John R. Burgess	John R. Burgess	John R. Burgess	O	U
Christopher Purpura	Jones & Phillips Associates, Inc.	Jones & Phillips Associates, Inc.	O	G
Gary Mardling	Kish Rigging	Kish Rigging	O	DR
Nevin Kleege	Kleege Industries	Kleege Industries	O	U
Mark Riddlesperger	LA ProPoint, Inc.	LA ProPoint, Inc.	O	CP
Katherine Tharp	LA ProPoint, Inc.	LA ProPoint, Inc.	O	CP
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	DR
Bob Medve	Limelight Productions, Inc.	Limelight Productions, Inc.	A	DR

Name	Company	Representing	Voting status	Int. cat.
Louis Bradfield	Louis Bradfield	Louis Bradfield	O	U
William B. Gorlin	McLaren Engineering Group	M.G. McLaren, P.C.	P	G
Martin Moore	Martin Moore	Martin Moore	I	G
Michael L. Savage, Sr.	Middle Dept. Inspection Agency, Inc.	Middle Dept. Inspection Agency, Inc.	O	G
Michael J. Carnaby	Mikan Theatricals	Mikan Theatricals	O	DR
Todd Petersen	Mixed Productions	Mixed Productions	O	U
Vincent J. Cannavale	Motion Laboratories	Motion Laboratories	P	CP
Peter Herrmann	Motion Laboratories	Motion Laboratories	A	CP
David Herrmann	Motion Laboratories	Motion Laboratories	A	CP
Shawn Sack	Mountain Productions Inc.	Mountain Productions Inc.	P	DR
James B. Evans	Mountain Productions Inc.	Mountain Productions Inc.	O	DR
Donald Halchak	Mountain Productions Inc.	Mountain Productions Inc.	A	DR
Bradford A. Kegel	National Production Services Inc.	National Production Services Inc.	O	U
François Deffarges	Nexo	Nexo	O	MP
Tracy Nunnally	Northern Illinois University	Northern Illinois University	O	U
Ted Hickey	OAP Audio Products	OAP Audio Products	O	MP
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	DR
Gary Justesen	Oasis Stage Werks	Oasis Stage Werks	O	DR
Spencer Brown	Oasis Stage Werks	Oasis Stage Werks	A	DR
Bob Murphy	Occams Razor Technical Services	Occams Razor Technical Services	O	G
Robert A. Grenier Jr.	Ocean State Rigging Systems Inc.	Ocean State Rigging Systems Inc.	O	DR
Ron Bonner	PLASA	PLASA	P	G
Michael Patterson	Pook Diemont & Ohl, Inc.	Pook Diemont & Ohl, Inc.	O	CP
John (Jack) Miller	Scenic Technologies	Production Resource Group	P	CP
Marc Hendriks	Prolyte	Prolyte	O	MP

Name	Company	Representing	Voting status	Int. cat.
Douglas Franz	QVC Network	QVC Network	O	U
Rick Montgomery	R&M Materials Handling	R&M Materials Handling	P	MP
Joe Ingle	R&M Materials Handling	R&M Materials Handling	A	MP
Scott Mohr	R&R Cases and Cabinets	R&R Cases and Cabinets	O	G
Daniel Lynn Houser	Real Rigging Solutions, LLC	Real Rigging Solutions, LLC	P	U
Shawn Nolan	Reed Rigging, Inc.	Reed Rigging, Inc.	P	DR
Michael Reed	Reed Rigging, Inc.	Reed Rigging, Inc.	O	DR
Rinus Bakker	Rhino Rigs B.V.	Rhino Rigs B.V.	O	G
Bruce Darden	Rigging Innovators, Inc.	Rigging Innovators, Inc.	P	CP
Rikki Newman	Rikki Newman	Rikki Newman	O	U
Randall W. A. Davidson	Risk International & Associates, Inc.	Risk International & Associates, Inc.	O	U
Roy Bickel	Roy Bickel	Roy Bickel	O	G
Thomas M. Granucci	Associated Students, Cox Arena	San Diego State University	O	U
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	U
Peter A. Scheu	Scheu Consulting Services	Scheu Consulting Services	P	G
Kimberly Corbett	Schuler Shook	Schuler Shook	P	G
Joshua Grossman	Schuler Shook	Schuler Shook	A	G
Dan Culhane	SECOA	SECOA	P	CP
Jerald Kraft	SECOA	SECOA	A	CP
Shaun Millington	SEW-Eurodrive, Inc.	SEW-Eurodrive, Inc.	O	MP
Rob Stevenson	SEW-Eurodrive, Inc.	SEW-Eurodrive, Inc.	O	MP
Knut Skjonberg	Skjonberg Controls, Inc.	Skjonberg Controls, Inc.	P	CP
Monica Skjonberg	Skjonberg Controls, Inc.	Skjonberg Controls, Inc.	A	CP
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	DR
Jon Lagerquist	South Coast Repertory	South Coast Repertory	O	U

Name	Company	Representing	Voting status	Int. cat.
Nathan Wells	Stage Technologies	Stage Technologies	P	MP
Olan Cottrill	Staging Productions, Inc.	Staging Productions, Inc.	O	DR
Roger Barrett	Star Events Group Ltd.	Star Events Group Ltd.	O	DR
Steve Walker	Steve A. Walker & Associates	Steve A. Walker & Associates	P	G
Richard J. Nix	Entertainment Structures Group	Steven Schaefer Associates	P	G
Kyle Kusmer	Entertainment Structures Group	Steven Schaefer Associates	A	G
Christine L. Kaiser	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	P	DR
Frank Willard	Syracuse Scenery & Stage Lighting Co., Inc.	Syracuse Scenery & Stage Lighting Co., Inc.	A	DR
Reuben Goldberg	Technic Services	Technic Services	O	U
Stephen G. Surratt	Texas Scenic Company	Texas Scenic Company	P	DR
Richard C. Mecke	Texas Scenic Company	Texas Scenic Company	O	DR
Mark Newlin	Texas Scenic Company	Texas Scenic Company	O	DR
Eugene Leitermann	Theatre Projects Consultants, Inc.	Theatre Projects Consultants, Inc.	P	G
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	G
Ed Nicholas	Theatrical Lighting Systems, Inc.	Theatrical Lighting Systems, Inc.	O	DR
John Van Lennep	Theatrix Inc.	Theatrix Inc.	O	DR
John C. Snook	Thermotex Industries Inc.	Thermotex Industries Inc.	O	CP
Jeff Wilkowski	Thern, Inc.	Thern, Inc.	P	MP
Tim Franklin	Theta-Consulting	Theta-Consulting	O	G
Chris Higgs	Total Solutions Group	Total Solutions Group	O	G
Adrian Forbes-Black	Total Structures Inc.	Total Structures Inc.	P	MP
Ian Coles	Total Structures, Inc.	Total Structures, Inc.	O	MP
Peter Johns	Total Structures, Inc.	Total Structures, Inc.	O	MP
Elmer Veith	Total Structures - Eastern US Sales Office	Total Structures, Inc.	A	MP
Theresa Kelley	Total Structures Inc.	Total Structures Inc.	A	MP

Name	Company	Representing	Voting status	Int. cat.
JoAnna Kamorin-Lloyd	Vincent Lighting Systems	Vincent Lighting Systems	O	U
Michael Keppler	Bogen	Vitec Group	O	MP
Keith Bohn	Tomcat USA, Inc.	Vitec Group plc	P	MP
Will Todd	Tomcat USA, Inc.	Vitec Group plc	A	MP
Hank Miller	W.E. Palmer Co.	W.E. Palmer Co.	O	CP
Rand Goddard	W.E. Palmer Co.	W.E. Palmer Co.	O	CP
Pete Happe	Walt Disney Imagineering	Walt Disney Company	P	U
Warren A. Bacon	Warren A. Bacon	Warren A. Bacon	O	U
Michael Wells	Xtreme Structures & Fabrication	Xtreme Structures & Fabrication	O	CP
Joseph Champelli	ZFX Flying Inc.	ZFX Flying Inc.	P	DR
Robert Dean	ZFX Flying Inc.	ZFX Flying Inc.	O	DR

Voting status

- P principal
- A alternate
- I individual voting member
- O observer, non-voting

Interest categories

- CP custom-market producer
- MP mass-market producer
- DR dealer or rental company
- U user
- G general interest