

Minutes
Rigging Working Group
Wednesday, 18 March 2009
Hilton Cincinnati Netherland Plaza
Cincinnati, OH

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

Recording secretary: Karl G. Ruling; ESTA

Members attending:

Woody Pyeatt; A V Pro, Inc.; P; DR
William Bradburn; Aerial Arts, Inc.; P; U
Wendy Holt; Alliance of Motion Picture and Television Producers; P; G
William Conner; Bill Conner Associates LLC, representing the Amer. Society of Theatre Consultants; P; U
James Niesel; Arup; P; G
Ted Jones; Chicago Spotlight, Inc.; P; U
Don Dimitroff; Columbus McKinnon Corp.; P; MP
Edward A. (Ted) Paget; Vortek Rigging Division (Daktronics Inc.); A; CP
Harvey Sweet; Electronic Theatre Controls, Inc. ; P; MP
Michael Lichter; Electronic Theatre Controls GmbH; O; MP
Joseph Champelli; Fisher Technical Services, Inc.; P; CP
Dan Lisowski; Fisher Technical Services, Inc.; A; CP
Reid Neslage; H & H Specialties Inc.; P; MP
Edwin S. Kramer; I.A.T.S.E. Local 1; P; U
Roger Lattin; I.A.T.S.E. Local 728; P; U
Peter V. Svitavsky; J.R. Clancy Inc.; P; CP
Mike Garl; James Thomas Engineering, Inc.; P; MP
Tray Allen; James Thomas Engineering, Inc.; A; MP
William Beautyman; Limelight Productions, Inc.; P; DR
Bob Medve; Limelight Productions, Inc.; A; DR
Peter Herrmann; Motion Laboratories; A; CP
Shawn Sack; Mountain Productions Inc.; P; DR
Shawn Nolan; Nolan Engineering Services, LLC; P; G
Tim Hansen; Oasis Stage Werks; P; DR
Ron Bonner; PLASA; P; G
Joe Ingle; R&M Materials Handling; A; MP
Peter A. Scheu; Scheu Consulting Services; P; G
Kimberly Corbett; Schuler Shook; P; G
Dan Culhane; SECOA; P; CP
Knut Skjonberg; Skjonberg Controls, Inc.; P; CP
Monica Skjonberg; Skjonberg Controls, Inc.; A; CP
Nathan Wells; Stage Technologies; P; MP
Steve Walker; 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
Daniel J. Clark; Entertainment Structures Group;)Steven Schaefer Associates); A; G
Jeff Reder; Entertainment Structures Group (Steven Schaefer Associates); A; G
Christine L. Kaiser; Syracuse Scenery & Stage Lighting Co., Inc.; P; DR
Stephen G. Surratt; Texas Scenic Company; P; DR
Eugene Leitermann; Theatre Projects Consultants, Inc.; P; G
Jeff Wilkowski; Thern, Inc.; P; MP
Elmer Veith; 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

Visitor: Greg Mitchell; Limelight Productions, Inc.

1 Opening remarks

Bill Sapsis called to order at 18:04. He welcomed all to Cincinnati and noted that the long room was challenging for hearing and speech.

2 Attendance and membership

2.1 Introduction of those present

Those present introduced themselves.

2.2 Circulation of attendance sign-in sheet

A bright orange sign-in sheet was circulated.

2.3 Call for quorum

Bill Sapsis asked for a show of hands of voting members. He counted them and then announced that a quorum was present.

2.4 Requirements for membership

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 . 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:

None.

2.6 Processing of new membership requests

Applications had been received from

Woody Pyeatt; A V Pro, Inc.; P; DR
Shawn Nolan; Nolan Engineering Services, LLC; P; G
Jody Williquette; Harting Inc., North America (Harting KAA); P; G
Ed Garstkiewicz; Harting Inc., North America (Harting KAA); A; G
John Andrew Munro (please use "Andrew"); animaenagerie; O; U
Daniel Lynn Houser; Real Rigging Solutions, LLC; P; U
Dan Lisowski; Fisher Technical Services, Inc.; A; CP
Roy Bickel; I; G
Mark Riddlesperger; LA Propoint; P; CP
Katherine Tharp; LA Propoint; A; CP

Of these applicants only Woody Pyeatt, Dan Lisowski, and Shawn Nolan were present.

Ted Jones of Chicago Spotlight asked that he be reinstated to principal voting status.

Eddie Kramer moved that those applying but who were not present be accepted as observers, and that the other membership requests (those who were present) be accepted as requested. 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 (This is the sort field.)	Voting status	Int. cat.
Woody Pyeatt	A V Pro, Inc.	A V Pro, Inc.	P	DR
William Bradburn	Aerial Arts, Inc.	Aerial Arts, Inc.	P	U
Wendy Holt	AMPTP	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
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP
Herb Hart	Columbus McKinnon Corp.	Columbus McKinnon Corp.	A	MP
Pat Grenfell	Vortek	Daktronics Inc.	P	CP
Edward A. (Ted) Paget	Vortek Rigging Division	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
Joseph Champelli	Fisher Technical Services	Fisher Technical Services, Inc.	P	CP
Dana Bartholomew	Fisher Technical Services	Fisher Technical Services, Inc.	A	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
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP
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

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
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
Shawn Nolan	Nolan Engineering Services, LLC	Nolan Engineering Services, LLC	P	G
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
Steven Graham	R&M Materials Handling	R&M Materials Handling	P	MP
Joe Ingle	R&M Materials Handling	R&M Materials Handling	A	MP
Bruce Darden	Rigging Innovators, Inc.	Rigging Innovators, Inc.	P	CP
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
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
Daniel J. Clark	Entertainment Structures Group	Steven Schaefer Associates	A	G
Jeff Reder	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

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
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
		Total votes possible	45	
		Votes possible by interest category	7	CP
			10	MP
			7	DR
			9	U
			12	G

3 Approval of minutes from the previous meeting

See RIGmin01-2009.pdf.

Roger Lattin moved that the minutes of the previous meeting be approved as written. The motion was seconded and then accepted with a show of hands.

4 ESTA declarations

4.1 Anti-trust statement

The following statement was read aloud to the assembly by Bill Sapsis

"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."

The Technical Standards Manager held up one of the easy-to-read pamphlets to show that copies were available at the meeting. No restraint of trade issues were brought to the attention of the assembly.

4.2 Call for patents

The following statement was read aloud to the assembly by Bill Sapsis

"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 intellectual property were reported.

5 Approval of the agenda

Jim Niesel asked that we add an agenda item 6.4.2, which is to be a discussion of BSR E1.6-1 with the goal of setting a date for public review. Dan Culhane moved that the draft agenda be accepted with Jim Niesel's addition.

There was discussion. Bill Conner objected to considering a public review of E1.6-1 at this time, since the draft agenda only said there would be a report.

The modified draft agenda was accepted by a simple majority 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, aluminum towers and trusses revision

No news or action.

6.3 BSR E1.4, manual rigging systems

Report on acceptance progress.

Karl Ruling reported that BSR E1.4 had been submitted to the ESTA Board.

6.4 BSR E1.6-1, powered winch hoist systems

6.4.1 report

Report on the progress being made to draft possible resolutions to the comments from the public review that closed 25 December 2006. See E1-6-1_IntrmRprt.pdf, E1-6-1_2-27-09_WrkngDcmnt.pdf, and SampleRiskAssessment.PDF.

Harvey Sweet said that the report was to get input; the document is not ready for public review.

6.4.2 discussion of BSR E1.6-1 with the goal of setting a date for public review

Eddie Kramer suggested that the E1.6-1 working document of 27 February 2009 is ready for public review with a few tweaks. Richard Nix said that the document has been worked on today, so what the document is now is not what the working group was sent. There was a discussion of whether it was ready, almost ready, or not ready for public review.

Wendy Holt asked about the questions the note with the interim document said the task group has. Can the working group answer those questions? Harvey Sweet said that the task group still has questions and would like them answered, but he had not compiled the list of questions.

Ted Paget said it was unfortunate that the questions had not been compiled, and the task group deserves a minor slap on the wrist for that, but that rushing to get this document to public review as it is now would result in an unsuccessful public review and an embarrassment to ESTA.

Harvey Sweet and Chris Kaiser pointed out that the note that went out with the document said, "We present this to you for INPUT. We will welcome and note comments that you have." Therefore, the task group did not promise a list of compiled questions.

Chris Kaiser said that she as the scribe feels she needs a day—a week—to clean up the document, or she would be much embarrassed. The risk assessment table has been added back in. It needs work, because it is very European in language, and the table is half-in and half-out.

There was a discussion of the possibility of sending out the document in a week or two for comment from the working group. The working group members can send back comments, or send back a response that says, "I think it is ready for public review."

Jim Niesel moved that the task group shall present their document to the RWG for review no more than two weeks from tomorrow (tomorrow being Thursday, 19 March). The motion was seconded and then approved with a show of hands.

Harvey Sweet moved that Karl Ruling, the Technical Standards Manager, be required to send out the document with 72 hours of receipt. The motion was seconded. Ruling said that he probably wouldn't be able to do that, since during the 72-hour period he'd be out of the country at a trade show and could not guarantee that he'd be able to email the document to everyone. The motion failed on a show of hands.

Roger Lattin moved that Ruling be directed to send out the document as quickly as humanly possible. The motion was seconded and accepted with show of hands.

Ted Paget moved that the working group shall review that the draft document within two weeks of the sending date and respond to the task group via "reply all." The motion was seconded.

Ruling said that "reply all" would require all the email addresses, roughly 150, to be in the "To:" line, but that he could set up an email reflector, which would serve the same purpose. Send an email to the reflector, and it goes to all the working group members.

Bill Conner spoke against the two weeks and argued that four weeks would be the minimum reasonable. The motion was not amended.

The two-week review was approved with a show of hands.

Jim Niesel wished to note for the record that he did supply comments to the task group, so the statement that "no one responded" is not correct. Chris Kaiser said that he is a task group member, so his comments were not counted as comments from the larger Rigging Working Group.

Bill Conner asked about the status of the first public review comments. Will they be responded to, or will they be ignored? Harvey Sweet said that people have been assigned to respond to the public review comments.

Joe Champelli moved that the RWG direct the task group to respond to the previous comments with a single, blanket response that says that the document has been significantly rewritten and therefore it is impossible to correlate the comments with specific changes to the draft standard. There was discussion, which seconded the motion. The motion was accepted with a show of hands.

6.5 BSR E1.6-2, electric chain hoists

Ruling reported that the TSC had approved the public review. He said the document should be posted for review by Thursday, 26 March.

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

6.6.1 Report on public review motion progress

Karl Ruling reported that the ballot will go into a recirculation.

6.6.2 Task group composition

Karl Ruling reminded the members of the working group that task group membership must be drawn from the working group.

After a brief discussion of the task group composition, Ruling said he would review the previous minutes and publish the task group membership with these minutes in an [addendum](#). Jorgensen asked that he not be included in the list.

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

6.7.1 Progress report on the first draft

Peter Herrmann reported that they are still working and had done two revisions since the January meeting in Texas. He apologized for the project not being as far along as wanted.

6.7.2 Task group composition

After a brief discussion of the task group composition, Ruling said he would review the previous minutes and publish the task group membership with these minutes in an [addendum](#).

6.8 ANSI E1.8-2005, speaker enclosures for rigging standard

Ruling said we need to initiate some action on this standard soon, since it is almost five years old.

6.9 ANSI E1.15-2006, boom & base assemblies

No news or action.

6.10 ANSI E1.21-2006, portable roof systems

No news or action.

6.11 BSR E1.22, fire safety curtain systems

Ruling reported that the motion to accept BSR E1.22 as an American National Standard is on the current ESTA Board meeting agenda.

6.12 Arup fire modeling project progress report

Jim Niesel reported that he had no fancy movies this time. The study is in the process of being wrapped up, double and triple checked. It should be done in July.

7 New business

7.1 Temporary structures and wind loads

From the January minutes: "Keith Bohn suggested that a standard is needed for temporary structures other than roofs, such as delay towers. These structures are particularly susceptible to failures due to wind-loading. He offered to write a draft scope and to fill out the standards proposal form so the project can be considered more thoroughly at the next working group meeting."

Keith Bohn reported that he had assembled a group of interested parties. The task will be done by July.

7.2 Other new business

None.

8 Other business and announcements

None.

9 Schedule for future meetings

Bill Sapsis announced that the next meeting is scheduled for Saturday, 18 July 2009, from 19:00 to 23:00, at the Dallas Marriott Solana in Westlake, TX. He thanked all present for their work this meeting.

10 Adjournment

Ted Paget moved that the meeting adjourn. The motion was seconded. Hearing no objections, Bill Sapsis declared the meeting adjourned at 19:59.

Working Group Membership and Contact Information as of 4 May 2009

Name	Company	Representing (This is the sort field.)	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
Andre Broucke	ADB - TTV Technologies	ADB-TTV Group	O	MP
Ethan William Gilson	ALPS	Advanced Lighting and Production Services	O	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	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
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 Braille	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
Ted Jones	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	P	U
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP
Herb Hart	Columbus McKinnon Corp.	Columbus McKinnon Corp.	A	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
Pat Grenfell	Vortek	Daktronics Inc.	P	CP
Edward A. (Ted) Paget	Vortek Rigging Division	Daktronics Inc.	A	CP
Harry Donovan	Donovan Rigging, Inc.	Donovan Rigging, Inc.	O	G
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.	O	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

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
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
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
Howard Forryan	Harting Ltd.	Harting KGAA	O	MP
Jody Williquette	Harting Inc, North America	Harting KGAA	O	G
Ed Garstkiewicz	Harting Inc, North America	Harting KGAA	O	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
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
Louis Bradfield	Louis Bradfield	Louis Bradfield	O	U
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

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
James B. Evans	Mountain Productions Inc.	Mountain Productions Inc.	O	DR
Bradford A. Kegel	National Production Services Inc.	National Production Services Inc.	O	U
Francois Deffarges	Nexo	Nexo	O	MP
Shawn Nolan	Nolan Engineering Services, LLC	Nolan Engineering Services, LLC	P	G
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
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
Marc Hendriks	Prolyte	Prolyte	O	MP
Douglas Franz	QVC Network	QVC Network	O	U
Steven Graham	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	O	U
Michael Reed	Reed Rigging, Inc.	Reed Rigging, Inc.	O	U
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
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

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
Kyle Kusmer	Entertainment Structures Group	Steven Schaefer Associates	A	G
Daniel J. Clark	Entertainment Structures Group	Steven Schaefer Associates	A	G
Jeff Reder	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
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
Robert Dean	ZFX Inc.	ZFX Inc.	O	CP

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

Addendum A, BSR E1.6-3 and BSR E1.6-4 Task Groups from Previous Minutes

BSR E1.6-3 Task Group

18 October 2006:

Charlie Weiner
Steve Graham
Ted Jones
Pat Grenfell
Steve Walker
Adrian Forbes-Black
Don Dimitroff
Mark Newlin
Dan Culhane
(Kent Jorgensen)

BSR E1.6-4 Task Group

13 July 2007:

Peter Herrmann
Vincent Cannavalle
Noga Eilon-Bahar
Jon Lenard
Dana Bartholomew
Eddie Kramer

In the 24 January 2009 minutes, Knut Skjonberg reports on the BSR E1.6-4 task group's work.