

Minutes
RIGGING WORKING GROUP

Wednesday, 18 October 2006

Las Vegas Hilton

Las Vegas, NV

Presiding chairman: Bill Sapsis; Sapsis Rigging, Inc.; P; U

Recording secretary: Karl G. Ruling; ESTA

Members attending:

William Conner; Bill Conner Associates LLC, representing the Amer. Society of Theatre Consultants; P; U

William Bradburn; Clowes Memorial Hall (Butler University); P; U

Charlie Weiner; P; U

Ted Jones; Chicago Spotlight, Inc.; P; U (observer at the start of the meeting)

Don Dimitroff; Columbus McKinnon Corp.; P; MP

M. Brad Dittmer; Downhome Productions; P; U

Cristina Delboni; Feeling Structures; O; MP

Joseph Champelli; Fisher Technical Services, Inc. (FTSI); P; CP

Reid Neslage; H & H Specialties Inc.; P; MP

Pat Grenfell; Hoffend & Sons, Inc.; P; CP

Kent H. Jorgensen; IATSE Local 80; P; G

Steven Graham; R&M Materials Handling (KCI Konecranes); P; MP

Harvey Sweet; LA ProPoint, Inc.; P; DR

Michael J. Carnaby; Mikan Theatricals; P; DR

Spencer Brown; Oasis Stage Werks; A; DR (joined at this meeting)

Peter A. Scheu; Scheu Consulting Services; P; G

Kimberly Corbett; Schuler Shook; P; G

Dan Culhane; SECOA; P; CP

Steve Walker; Steve A. Walker & Associates; P; G

Richard J. Nix; Entertainment Structures Group (Steven Schaefer Associates); P; G

Mark Newlin; Texas Scenic Company; O; CP

James Niesel; Theatre Projects Consultants, Inc.; P; G

Jerry Gorrell; Theatre Safety Programs; P; G

Jeff Wilkowski; Thern, Inc.; P; MP

Adrian Forbes-Black; Total Structures Inc.; P; MP

Pete Happe; Walt Disney Imagineering (Walt Disney Company); P; U

Visitors: Time Wade; IATSE Local 600
Peter Svitavsky; J.R. Clancy, Inc.

1 Opening remarks

Bill Sapsis called the meeting to order at 19:09.

The meeting had been delayed because the scheduled meeting room, Pavilion 4 at the Las Vegas Hilton, was not ready. The Hilton Hotel catering staff said they had no notice of a meeting, although the meeting was posted on the video boards in the meeting area lobby. With the consent of the hotel catering staff, the group moved into Pavilion 3, which was clean, and had a large table and almost enough chairs.

2 Attendance and membership

2.1 Introduction of those present

Those present introduced themselves, preceding in a counter-clockwise direction around the table.

2.2 Circulation of attendance sign-in sheet

As the self-introductions were being done, a blue attendance sign-sheet was circulated. People present were instructed to find their names and put a check mark next to them, or to add their names to the visitors/new members section on the back pages.

2.3 Call for quorum

Bill Sapsis asked for a show of hands of the voters present. Twenty-two people (including the chairman) held up their hands. Sapsis announced that a quorum was present.

2.4 Requirements for membership

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

"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. Any principal member and voting alternate who both miss three consecutive meetings will have their membership status changed to observer. This action will be taken as the last item of business at each meeting and recorded in the minutes of that meeting."

3 Processing of new membership requests

The following applications had been received:

Joshua Grossman; Schuler Shook; alternate, general interest

Ruling explained that in an email Kimberly Corbett had written that Schuler Shook would like to remove Jack Hagler as its representative, move Kimberly Corbett to principal, and make Joshua Grossman the alternate.

Spencer Brown, Oasis Stage Werks; alternate; DR

Frank Willard; Syracuse Scenery and Stage Lighting; alternate; DR

Jerry Gorrell moved that the applications be accepted. The motion was seconded. The motion was approved with a show of hands.

Ted Jones asked to be restored to principal voting status. Dan Culhane made such a motion, which was seconded, and then approved with a show of hands.

The full consensus body, including those not present, was:

Name	Company	Representing	Voting status	Int. cat.
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P	U
William Bradburn	Clowes Memorial Hall	Butler University	P	U
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
M. Brad Dittmer	Downhome Productions	Downhome Productions	P	U
Joseph Champelli	Fisher Technical Services, Inc.	FTSI	P	CP
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP
Pat Grenfell	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	P	CP
Peter Hoffend	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	A	CP
Damon Atwood	Hoffend & Sons	Hoffend & Sons, Inc.	A	CP
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U

Name	Company	Representing	Voting status	Int. cat.
Kent H. Jorgensen	IATSE Local 80	IATSE Local 80	P	G
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	P	CP
Jack Suesse	J.R. Clancy, Inc. (NC)	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
Steven Graham	R&M Materials Handling	KCI Konecranes	P	MP
Hans van der Moolen	Stagemaker Division Europe	KCI Konecranes	A	MP
Harvey Sweet	LA ProPoint, Inc.	LA ProPoint, Inc.	P	DR
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	DR
Bob Medve	Limelight Productions, Inc.	Limelight Productions, Inc.	A	DR
Michael J. Carnaby	Mikan Theatricals	Mikan Theatricals	P	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
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
Olan Cottrill	Staging Productions, Inc.	Staging Productions, Inc.	P	DR
Steve Walker	Steve A. Walker & Associates	Steve A. Walker & Associates	P	G
Richard J. Nix	Entertainment Structures Group	Steven Schaefer Associates	P	G
Shawn Nolan	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
James Niesel	Theatre Projects Consultants, Inc.	Theatre Projects Consultants, Inc.	P	G
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	G
John C. Snook	Thermotex Industries Inc.	Thermotex Industries Inc.	P	CP
Jeff Wilkowski	Thern, Inc.	Thern, Inc.	P	MP
Keith Bohn	Tomcat USA, Inc.	Tomcat USA, Inc.	P	MP
Mitch Clark	Tomcat USA, Inc.	Tomcat USA, Inc.	A	MP
John James	Tomcat USA, Inc.	Tomcat USA, Inc.	A	MP
Adrian Forbes-Black	Total Structures Inc.	Total Structures Inc.	P	MP
Pete Happe	Walt Disney Imagineering	Walt Disney Company	P	U
		Total votes	34	
		Votes by interest categories	5	CP
			7	MP
			6	DR
			8	U
			8	G

4 Approval of minutes from the previous meeting
(Rig/2006-2031, see file RIGmin07-2006.pdf)

Dan Culhane said that Chris Kaiser had asked him to ask for a change in item 7.5 in the draft minutes. Wally Blount had praised Chris Kaiser's pre-meeting voting tool at the July meeting, but

Chris Kaiser had said that it had been developed by Harvey Sweet, and she had simply adopted it. Chris Kaiser wanted the draft minutes to note that Sweet had developed the tool.

Karl Ruling modified item 7.5 to read:

"Blount described the great premeeting voting tool that Chris Kaiser developed. Chris Kaiser said that it had been developed by Harvey Sweet, and she simply borrowed it."

This created an Rig/2006-2031r1 version of the minutes.

Brad Dittmer moved that the Rig/2006-2031r1 version of the minutes be approved. The motion was seconded. The motion was approved by a unanimous show of hands.

5 ESTA declarations

5.1 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."

Karl Ruling, the Technical Standards Manager, held up some of the easy-to-read pamphlets to show that they were available. No restraint of trade issues were brought to the attention of the assembly.

5.2 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 protected intellectual property issues were brought to the attention of the assembly.

6 Approval of agenda

Peter Scheu moved that the draft agenda be approved. The motion was seconded and then approved with a show of hands.

7 Old business

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

It's published. There was no news or action, other than this brief announcement that the new version is available.

7.2 ANS E1.2-2006, aluminum towers and trusses revision

It's published. There was no news or action, other than this brief announcement that the new version is available.

7.3 BSR E1.4, manual rigging systems

7.3.1 Appeal on E1.4 public review comment resolutions

Relevant documents: (1) letter from Todd Hensley, file name 060908I-ruling-AppealBSRE1-4.pdf; (2) E1.4 task group's proposed response, file name DraftTaskGroupResponse.pdf.

Harvey Sweet moved that the task group's proposed responses to the three appealed resolutions be approved. The motion was seconded.

Kimberly Corbett moved that we table this discussion. The motion was seconded. The motion was defeated with a show of hands.

Steve Walker moved that we divide the responses and consider them individually. The motion was seconded. The motion was approved by a show of hands. The motion to approve all the resolutions was divided into three so that the approval of each resolution could be considered separately.

The first part of the divided motion was to accept the task group's proposed response to the appeal on comment 14. By a show of hands, the vote was 18 Yes, and six No. The motion carried with a bare supermajority, with a majority of the total voting body of 34 voting Yes, and two-thirds or more of those who voted voting Yes.

The second part of the divided motion was to accept the task group's proposed response to the appeal on comment 63. By a show of hands the vote was 18 Yes, four No, and two abstentions. The motion carried with a supermajority.

The third part of the divided motion was to accept the task group's proposed response to the appeal on comment 64. By a show of hands, the vote was 20 Yes, three No, and one abstention. The motion carried with a supermajority.

7.3.2 Closing of acceptance recirculation vote and comment recirculation

This part of the meeting was the close of the recirculation of the comments and reasons on the letter ballot (ballot document number Rig/2006-2035) to accept BSR E1.4 (Rig/1997-2002r13) as an American National Standard. It was a last chance for voters to change their votes and to discuss the comments and reasons.

There was a long discussion of the motion to accept BSR E1.4 as an American National Standard, and the relative merits of advancing the document as an American National Standard now, as opposed to working on it some more in hopes of making it more acceptable to a larger portion of the entertainment industry. The discussion took the better part of an hour. Below are some of the comments that were made. They are offered here to give a sense of the discussion but not to document all that was said.

Jim Niesel argued that E1.4 should be moved forward, so it can start to be used. However, he would like to see it worked on immediately to make it better.

Harvey Sweet argued that it is worth moving forward. He found it interesting that we had people complaining that it was too restrictive and people complaining that it was too permissive. He said that he thought this was proof that probably the right balance had been found.

Brad Dittmer said that it is a document we can live with. After nine years of work to develop it in the Technical Standards Program, it is probably as good as we can make it at this time.

Bill Conner displayed several documents and said that he had changes that ASTC wanted to see made to the BSR E1.4 document. If the changes were made, ASTC would no longer oppose E1.4's adoption as an American National Standard. There was a discussion of the documents relative to the two-week rule, and whether any changes made to the E1.4 document at this meeting to satisfy ASTC were likely to be not substantive. Pat Grenfell objected to taking action on the documents at the meeting, since the documents had not been and were not circulated to the voting members of the working group. His objection forced acting on any motions made relative to the documents to be done by letter ballot or to be tabled until the January meeting. There was no further discussion of the documents.

Kimberly Corbett read aloud a statement from Schuler Shook reiterating its no vote, but stating its support for the TSP's goals and its desire to develop E1.4 further before accepting it as an American National Standard. Corbett's statement acknowledged that a consensus standard is not legally binding, but said that it sets a standard of practice, and that, in the absence of a legal reference document, becomes something of a legal authority, should there be legal proceedings. The standard also becomes a reference for the local Authorities Having Jurisdiction, who may not understand exactly what we do and why we do it, and they might misinterpret the current draft. This could hurt the industry. Corbett stated that Schuler Shook hopes that this document will be revisited to improve its contents, regardless of the outcome of the immediate vote.

Harvey Sweet moving that the discussion be brought to an end. The motion was seconded, and then approved with a show of hands.

Joseph Champelli of Fisher Technical Services, changed his vote to "No." His was the only vote change.

7.3.2.1 Attempt to resolve objections

The discussion in 7.3.2.1 was a consideration of the objections and an attempt to resolve them. However, the E1.4 task group had prepared a draft response (E1-4_TaskGroup_Response.pdf). This was not referenced in the previous discussion, except by Kimberly Corbett, who said, "Schuler Shook acknowledges the draft response prepared by the task group but does not change its vote."

Bill Conner moved that the draft task group response (E1-4_TaskGroup_Response.pdf) not be accepted as the working group's response. The motion was seconded. By a show of hands, 10 voted "Yes," one voted "No," and 13 voted "Abstain." This was a simple majority in favor of the motion. This was a motion not to accept a response and does not have to meet the supermajority requirement necessary to pass a motion to accept responses to a letter ballot or public review comments.

Jim Niesel move that the task group start working on revisions to E1.4 after this document is approved as an American National Standard. The motion was seconded. The motion was accepted by a supermajority of the working group, with 22 voting "Yes" with a show of hands and two voting "Abstain."

Jim Niesel volunteered to work on E1.4 as a task group member. Peter Scheu volunteered, too. Bill Sapsis asked if there were any objections from the working group to them being appointed to the task group. There were none. Sapsis appointed them the task group.

7.3.2.2 Final tally

The final vote on the motion to accept BSR E1.4, Entertainment Technology—Manual Counterweight Rigging Systems (Rig/1997-2002r13) as an American National Standard, out of a voting body of 37 (the consensus body when the motion was made at the July 2006 meeting), was 27 "Yes," three "No with reasons," and one "Abstain with reasons." The motion was accepted by a supermajority.

Name	Company	Representing	Vote status	Int. cat.	Yes	Yes with comments	No with reasons	Abstain with reasons
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P	U			1	
William Bradburn	Clowes Memorial Hall	Butler University	P	U	1			
Charlie Weiner	Charlie Weiner	Charlie Weiner	P	U	1			
Ted Jones	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	P	U				
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP	1			
Howard R. Ott	D.E.O. Associates, Inc.	D.E.O. Associates, Inc.	P	G	1			
M. Brad Dittmer	Downhome Productions	Downhome Productions	P	U	1			
Joseph Champelli	Fisher Technical Services, Inc.	FTSI	P	CP			1	
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP	1			
Pat Grenfell	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	P	CP	1			
Peter Hoffend	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	A	CP				
Damon Atwood	Hoffend & Sons	Hoffend & Sons, Inc.	A	CP				
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U	1			
Kent H. Jorgensen	IATSE Local 80	IATSE Local 80	P	G				
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	P	CP				
Jack Suesse	J.R. Clancy, Inc. (NC)	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	1			
Tray Allen	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	A	MP				
Steven Graham	R&M Materials Handling	KCI Konecranes	P	MP				
Hans van der Moolen	Stagemaker Division Europe	KCI Konecranes	A	MP				
Harvey Sweet	LA ProPoint, Inc.	LA ProPoint, Inc.	P	DR	1			
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	DR	1			
Bob Medve	Limelight Productions, Inc.	Limelight Productions, Inc.	A	DR				
Michael J. Carnaby	Mikan Theatricals	Mikan Theatricals	P	DR	1			
James B. Evans	Mountain Productions Inc.	Mountain Productions Inc.	P	DR				
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	DR	1			
Ron Bonner	PLASA	PLASA	P	G	1			
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	U	1			
Peter A. Scheu	Scheu Consulting Services	Scheu Consulting Services	P	G	1			
Jack P. Hagler	Schuler Shook	Schuler Shook	P	G				
Kimberly Corbett	Schuler Shook	Schuler Shook	A	G			1	
Dan Culhane	SECOA	SECOA	P	CP	1			
Jerald Kraft	SECOA	SECOA	A	CP				
Olan Cottrill	Staging Productions, Inc.	Staging Productions, Inc.	P	DR	1			
Steve Walker	Steve A. Walker & Associates	Steve A. Walker & Associates	P	G	1			
Richard J. Nix	Entertainment Structures Group	Steven Schaefer Associates	P	G	1			
Shawn Nolan	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	1			
Mark Newlin	Texas Scenic Company	Texas Scenic Company	P	CP				
James Niesel	Theatre Projects Consultants, Inc.	Theatre Projects Consultants, Inc.	P	G	1			
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	G	1			
John C. Snook	Thermotex Industries Inc.	Thermotex Industries Inc.	P	CP	1			
Jeff Wilkowski	Thern, Inc.	Thern, Inc.	P	MP	1			
Keith Bohn	Tomcat USA, Inc.	Tomcat USA, Inc.	P	MP	1			
Mitch Clark	Tomcat USA, Inc.	Tomcat USA, Inc.	A	MP				
John James	Tomcat USA, Inc.	Tomcat USA, Inc.	A	MP				
Adrian Forbes-Black	Total Structures Inc.	Total Structures Inc.	P	MP				1
Pete Happe	Walt Disney Imagineering	Walt Disney Company	P	U	1			
			37	Total	27	0	3	1

	Total possible	Int. cat.	Yes	Yes with comments	No with reasons	Abstain with reasons
Votes by interest categories	7	MP	5	0	0	1
	6	CP	3	0	1	0
	7	DR	6	0	0	0
	8	U	6	0	1	0
	9	G	7	0	1	0

7.4 E1.6-1, powered winch hoist systems

Karl Ruling reported that the TSC had voted to approve the first public review of BSR E1.6-1.

Kimberly Corbett volunteered to work on the BSR E1.6-1 task group. Bill Sapsis asked if there were any objections. Hearing none, Sapsis appointed Corbett to the task group.

7.5 E1.6-2, electric chain hoists, resolution acceptance and public review recirculation vote

See ballot summary document Rig/2006-2041, file name WG_E1-6-2ResolRevwBallotTotal.pdf.

7.5.1 Closing of recirculation vote

There was a discussion of the process and the position of the task group vis-à-vis the working group. Bill Conner argued that the document had not been thoroughly reviewed by the working group and urged the working group to vote against the motion.

No one changed his or her vote. The motion to accept the proposed resolutions (Rig/2006-2033) and to offer the revised BSR E1.6-2 (Rig/2005-2040r1) for public review was approved by a supermajority of the working group's voters, with 27 voting "Yes," one voting "Yes with comments," and five voting "No with reasons," out of a voting body of 37, which was the consensus body when the motion was made at the July 2006 meeting.

Name	Company	Representing	Voting status	Int. cat.	Yes	Yes with comments	No with reasons	Abstain
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P	U			1	
William Bradburn	Clowes Memorial Hall	Butler University	P	U	1			
Charlie Weiner	Charlie Weiner	Charlie Weiner	P	U	1			
Ted Jones	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	P	U				
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP	1			
Howard R. Ott	D.E.O. Associates, Inc.	D.E.O. Associates, Inc.	P	G	1			
M. Brad Dittmer	Downhome Productions	Downhome Productions	P	U	1			
Joseph Champelli	Fisher Technical Services, Inc.	FTSI	P	CP			1	
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP	1			
Pat Grenfell	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	P	CP		1		
Peter Hoffend	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	A	CP				
Damon Atwood	Hoffend & Sons	Hoffend & Sons, Inc.	A	CP				
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U			1	
Kent H. Jorgensen	IATSE Local 80	IATSE Local 80	P	G				
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	P	CP	1			
Jack Suesse	J.R. Clancy, Inc. (NC)	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	1			
Tray Allen	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	A	MP				
Steven Graham	R&M Materials Handling	KCI Konecranes	P	MP				
Hans van der Moolen	Stagemaker Division Europe	KCI Konecranes	A	MP			1	
Harvey Sweet	LA ProPoint, Inc.	LA ProPoint, Inc.	P	DR	1			

Name	Company	Representing	Voting status	Int. cat.	Yes	Yes with comments	No with reasons	Abstain
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	DR	1			
Bob Medve	Limelight Productions, Inc.	Limelight Productions, Inc.	A	DR				
Michael J. Carnaby	Mikan Theatricals	Mikan Theatricals	P	DR	1			
James B. Evans	Mountain Productions Inc.	Mountain Productions Inc.	P	DR				
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	DR	1			
Ron Bonner	PLASA	PLASA	P	G	1			
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	U	1			
Peter A. Scheu	Scheu Consulting Services	Scheu Consulting Services	P	G	1			
Jack P. Hagler	Schuler Shook	Schuler Shook	P	G	1			
Kimberly Corbett	Schuler Shook	Schuler Shook	A	G				
Dan Culhane	SECOA	SECOA	P	CP	1			
Jerald Kraft	SECOA	SECOA	A	CP				
Olan Cottrill	Staging Productions, Inc.	Staging Productions, Inc.	P	DR	1			
Steve Walker	Steve A. Walker & Associates	Steve A. Walker & Associates	P	G			1	
Richard J. Nix	Entertainment Structures Group	Steven Schaefer Associates	P	G	1			
Shawn Nolan	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	1			
Mark Newlin	Texas Scenic Company	Texas Scenic Company	P	CP				
James Niesel	Theatre Projects Consultants, Inc.	Theatre Projects Consultants, Inc.	P	G	1			
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	G	1			
John C. Snook	Thermotex Industries Inc.	Thermotex Industries Inc.	P	CP	1			
Jeff Wilkowski	Thern, Inc.	Thern, Inc.	P	MP	1			
Keith Bohn	Tomcat USA, Inc.	Tomcat USA, Inc.	P	MP	1			
Mitch Clark	Tomcat USA, Inc.	Tomcat USA, Inc.	A	MP				
John James	Tomcat USA, Inc.	Tomcat USA, Inc.	A	MP				
Adrian Forbes-Black	Total Structures Inc.	Total Structures Inc.	P	MP	1			
Pete Happe	Walt Disney Imagineering	Walt Disney Company	P	U	1			
			37	Total	27	1	5	0
		Votes by interest categories	7	MP	6	0	1	0
			6	CP	3	1	1	0
			7	DR	6	0	0	0
			8	U	5	0	2	0
			9	G	7	0	1	0

7.5.2 Attempt to resolve objections

Bill Conner moved that all of the objections offered in the vote be considered as public review comments from the forthcoming public review. The motion was seconded. The motion was approved by a supermajority with a show of hands, with 22 voting "Yes" and two voting "Abstain."

Richard Nix moved that work start on a project to draft BSR E1.6-3 to work on drafting the safe use of chain hoists in the entertainment industry. The motion was seconded. The motion was approved by a unanimous show of hands.

Peter Scheu moved that the scope shall be:

"This standard covers the operation and safe use of serial manufactured electric link chain hoists having capacity of two tons or less and used in the entertainment industry. This

standard does not cover the design and maintenance of serial manufactured electric link chain hoists having capacity of two tons or less and used in the entertainment industry." The motion was seconded. The motion was approved with a unanimous show of hands.

Bill Sapsis appointed the following working group members to the task group. Charlie Weiner, Steve Graham, Ted Jones, Pat Grenfell, Steve Walker, Adrian Forbes-Black, Don Dimitroff, Mark Newlin, Dan Culhane, and Kent Jorgensen. Charlie Weiner was appointed as the task group leader.

Karl Ruling gave the project the descriptive title of "Safe Use of Serial Manufactured Electric Chain Hoists in the Entertainment Industry."

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

Karl Ruling reported that there is no news here. It's published.

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

Karl Ruling reported that there is no news here. It's published.

7.7 ANSI E1.21-2006, portable roof systems

Karl Ruling reported that there is no news here. It's published.

7.8 BSR E1.22, fire safety curtain systems, resolution and public review recirculation vote

See ballot summary document Rig/2006-2042, file name WG_E1-22ResolsRevwBallotTotal.pdf.

7.8.1 Closing of recirculation vote

Bill Conner changed ASTC's vote to "No," stating that ASTC hopes that the information on framed curtains will be expanded before the document is offered for public review.

Kimberly Corbett changed Schuler Shook's vote to "No" with the comments originally offered by Schuler Shook being the reasons.

The motion to accept the proposed resolutions (Rig/2006-2032) and to offer the revised BSR E1.22 (Rig/2002-2032r7) for public review was approved by a supermajority, with 28 out of a voting body of 37 (the consensus body when the motion was made at the July 2006 meeting) voting "Yes," one voting "Yes with comments," three voting "No with reasons," and one voting "Abstain with reasons."

Name	Company	Representing	Voting status	Int. cat.	Yes	Yes with comments	No with reasons	Abstain with reasons
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P	U			1	
William Bradburn	Clowes Memorial Hall	Butler University	P	U	1			
Charlie Weiner	Charlie Weiner	Charlie Weiner	P	U	1			
Ted Jones	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	P	U				
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP	1			
Howard R. Ott	D.E.O. Associates, Inc.	D.E.O. Associates, Inc.	P	G	1			
M. Brad Dittmer	Downhome Productions	Downhome Productions	P	U	1			
Joseph Champelli	Fisher Technical Services, Inc.	FTSI	P	CP	1			
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP	1			
Pat Grenfell	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	P	CP		1		
Peter Hoffend	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	A	CP				
Damon Atwood	Hoffend & Sons	Hoffend & Sons, Inc.	A	CP				
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U	1			
Kent H. Jorgensen	IATSE Local 80	IATSE Local 80	P	G	1			
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	P	CP	1			

Name	Company	Representing	Voting status	Int. cat.	Yes	Yes with comments	No with reasons	Abstain with reasons
Jack Suesse	J.R. Clancy, Inc. (NC)	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	1			
Tray Allen	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	A	MP				
Steven Graham	R&M Materials Handling	KCI Konecranes	P	MP				
Hans van der Moolen	Stagemaker Division Europe	KCI Konecranes	A	MP	1			
Harvey Sweet	LA ProPoint, Inc.	LA ProPoint, Inc.	P	DR	1			
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	DR	1			
Bob Medve	Limelight Productions, Inc.	Limelight Productions, Inc.	A	DR				
Michael J. Carnaby	Mikan Theatricals	Mikan Theatricals	P	DR	1			
James B. Evans	Mountain Productions Inc.	Mountain Productions Inc.	P	DR				
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	DR	1			
Ron Bonner	PLASA	PLASA	P	G	1			
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	U	1			
Peter A. Scheu	Scheu Consulting Services	Scheu Consulting Services	P	G	1			
Jack P. Hagler	Schuler Shook	Schuler Shook	P	G				
Kimberly Corbett	Schuler Shook	Schuler Shook	A	G			1	
Dan Culhane	SECOA	SECOA	P	CP	1			
Jerald Kraft	SECOA	SECOA	A	CP				
Olan Cottrill	Staging Productions, Inc.	Staging Productions, Inc.	P	DR	1			
Steve Walker	Steve A. Walker & Associates	Steve A. Walker & Associates	P	G			1	
Richard J. Nix	Entertainment Structures Group	Steven Schaefer Associates	P	G	1			
Shawn Nolan	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	1			
Mark Newlin	Texas Scenic Company	Texas Scenic Company	P	CP				
James Niesel	Theatre Projects Consultants, Inc.	Theatre Projects Consultants, Inc.	P	G	1			
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	G	1			
John C. Snook	Thermotex Industries Inc.	Thermotex Industries Inc.	P	CP	1			
Jeff Wilkowski	Thern, Inc.	Thern, Inc.	P	MP	1			
Keith Bohn	Tomcat USA, Inc.	Tomcat USA, Inc.	P	MP	1			
Mitch Clark	Tomcat USA, Inc.	Tomcat USA, Inc.	A	MP				
John James	Tomcat USA, Inc.	Tomcat USA, Inc.	A	MP				
Adrian Forbes-Black	Total Structures Inc.	Total Structures Inc.	P	MP				1
Pete Happe	Walt Disney Imagineering	Walt Disney Company	P	U				
			37	Total	28	1	3	1
		Votes by interest categories	7	MP	6	0	0	1
			6	CP	4	1	0	0
			7	DR	6	0	0	0
			8	U	5	0	1	0
			9	G	7	0	2	0

7.8.2 Attempt to resolve objections

The consensus was that the lack of information about framed fire safety curtains was the biggest source of discontent over the document.

Steve Walker was appointed by Bill Sapsis to work on drafting a section on framed fire safety curtains. This will be submitted as a public review comment for incorporation into the next draft of BSR E1.22.

8 New business

None.

9 Other business

None.

10 Schedule for future meetings

It was announced that the next meeting is scheduled for 19 January 2007, from 19:00 to 23:00, at the Dallas/Ft. Worth Airport Marriott South in Ft. Worth, Texas.

11 Changes of membership status resulting from lack of attendance.

No voters have missed the last two consecutive meetings.

12 Adjournment

Pete Happe moved that the meeting adjourn. The motion was seconded and then approved with a unanimous show of hands. Bill Sapsis declared the meeting adjourned at 22:06.

Rigging Working Group Membership and Contact Information as of 6 November 2006

Name	Company	Representing	Voting status	Int. cat.
Baer Long	Ninja Rigging	Act 1 Rigging Inc.	O	G
Andre Broucke	ADB - TTV Technologies	ADB-TTV Group	O	MP
Michael G. Wiener	Aerial Rigging & Leasing, Inc.	Aerial Rigging & Leasing, Inc.	O	U
Andy Sutton	AFX UK Ltd.	AFX UK Ltd.	O	U
William Conner	Bill Conner Associates LLC	Amer. Society of Theatre Consultants	P	U
Jim Fletcher	American Sling Company, Inc.	American Sling Company, Inc.	O	MP
Andrew T. Martin	ATM Group, Inc.	ATM Group, Inc.	O	MP
Dennis J. Lopez	Automatic Devices Co.	Automatic Devices Co.	O	MP
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
Eric Todd	BML Inc.	BML Inc.	O	MP
Paul Tardue	BML Inc.	BML Inc.	O	MP
William Bradburn	Clowes Memorial Hall	Butler University	P	U
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
Mark M. Witteveen	Chicago Flyhouse Inc.	Chicago Flyhouse Inc.	O	U
Ted Jones	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	P	U
Julie Rogers	City of Phoenix Civic Plaza	City of Phoenix	O	G
Steve Gonnella	City of Phoenix, Theater Division	City of Phoenix	O	U
Don Dimitroff	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
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
F. Robert Bauer	F.R. Bauer & Associates, LLC	F.R. Bauer & Associates, LLC	O	G
Cristina Delboni	Feeling Structures	Feeling Structures	O	MP
Ben Hayes	Freedom Flying	Freedom Flying	O	G
Dean Hart	Stage Rigging, Inc.	Freeman Companies	O	U
Rocky Paulson	Stage Rigging, Inc.	Freeman Companies	O	DR
Joseph Champelli	Fisher Technical Services, Inc.	FTSI	P	CP
David M. Campbell	Geiger Engineers	Geiger Engineers	O	G
Timothy Mills	Geiger Engineers	Geiger Engineers	O	G
Paul Brady	Grand Stage Company, Inc.	Grand Stage Company, Inc.	O	U
Kevin Denis	Gravitec Systems, Inc.	Gravitec Systems, Inc.	O	CP
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP
Delbert Hall	Hall Associates Inc.	Hall Associates Inc.	O	U
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
Michael Di Ieso	IATSE Local 481	IATSE Local 481	O	U
Kent H. Jorgensen	IATSE Local 80	IATSE Local 80	P	G
Gian Carlo C. Bartolotti	Ibeam SP / Banco de Eventos	Ibeam SP / Banco de Eventos	O	U
Michael Keppler	Bogen	IFF	O	MP
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	P	CP
Thomas S. Young	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	CP

Name	Company	Representing	Voting status	Int. cat.
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
Edward Paget	Jones & Phillips Associates, Inc.	Jones & Phillips Associates, Inc.	O	G
Christopher Purpura	Jones & Phillips Associates, Inc.	Jones & Phillips Associates, Inc.	O	G
Steven Graham	R&M Materials Handling	KCI Konecranes	P	MP
Hans van der Moolen	Stagemaker Division Europe	KCI Konecranes	A	MP
Nevin Kleege	Kleege Industries	Kleege Industries	O	U
Harvey Sweet	LA ProPoint, Inc.	LA ProPoint, Inc.	P	DR
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	P	DR
Todd Petersen	Mixed Productions	Mixed Productions	O	U
James B. Evans	Mountain Productions Inc.	Mountain Productions Inc.	O	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
Robert A. Grenier Jr.	Ocean State Rigging Systems Inc.	Ocean State Rigging Systems Inc.	O	DR
Olaf Soot	Olaf Soot Associates	Olaf Soot Associates	O	CP
Joseph Rapier	Parkhill, Smith & Cooper, Inc.	Parkhill, Smith & Cooper, Inc.	O	CP
Ron Bonner	PLASA	PLASA	P	G
Michael Akrep	Polar Focus, Inc.	Polar Focus, Inc.	O	MP
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
Scott Mohr	R&R Cases and Cabinets	R&R Cases and Cabinets	O	G
Michael Reed	Reed Rigging, Inc.	Reed Rigging, Inc.	O	U
Rinus Bakker	Rhino Rigs B.V.	Rhino Rigs B.V.	O	G
Rikki Newman	Rikki Newman	Rikki Newman	O	U
Randall W. A. Davidson	Risk International & Associates, Inc.	Risk International & Associates, Inc.	O	U
Heinz Siller	RST Präsentationssysteme	RST Präsentationssysteme	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
Luigi Sbalzarini	Selvolina SNC	Selvolina SNC	O	MP
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	DR
Jon Lagerquist	South Coast Repertory	South Coast Repertory	O	U
Jerrold S. Tiers	St. Louis Music Inc.	St. Louis Music Inc.	O	MP

Name	Company	Representing	Voting status	Int. cat.
Olan Cottrill	Staging Productions, Inc.	Staging Productions, Inc.	P	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
Shawn Nolan	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
Richard C. Mecke	Texas Scenic Company	Texas Scenic Company	O	CP
Mark Newlin	Texas Scenic Company	Texas Scenic Company	O	CP
Alan Broadhurst	The Broadhurst Partnership	The Broadhurst Partnership	O	P
James Niesel	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.	P	CP
Jeff Wilkowski	Thern, Inc.	Thern, Inc.	P	MP
Tim Franklin	Theta-Consulting	Theta-Consulting	O	G
Thomas Paterson	Thomas Paterson	Thomas Paterson	O	G
Richard D. Thompson	Thompson Associates	Thompson Associates	O	G
Keith Bohn	Tomcat USA, Inc.	Tomcat USA, Inc.	P	MP
Mitch Clark	Tomcat USA, Inc.	Tomcat USA, Inc.	A	MP
John James	Tomcat USA, Inc.	Tomcat USA, Inc.	A	MP
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
Doug Recher	Total Structures, Inc.	Total Structures, Inc.	O	MP
Peter Hind	Anthony Ward Partnership Ltd.	Total Structures, Inc.	O	MP
JoAnna Kamorin-Lloyd	Vincent Lighting Systems	Vincent Lighting Systems	O	U
Eckart Steffens	SOUNDLIGHT	VPLT	O	G
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
Robin Crews	Wrightson, Johnson, Haddon & Williams, Inc.	Wrightson, Johnson, Haddon & Williams, Inc.	O	G
Ray Robins	XS Lighting, Inc.	XS Lighting, Inc.	O	CP
Robert Dean	ZFX Inc.	ZFX Inc.	O	CP

Key to codes:

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

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

G general-interest interest category