

Minutes
RIGGING WORKING GROUP
Friday, 3 May 2002
Dallas/Ft. Worth Airport Marriott South
Ft. Worth, TX

Chairman: Mike Garl; James Thomas Engineering, Inc.; principal; producer

Recording secretary: Karl G. Ruling, ESTA

Members attending: William Conner; Schuler & Shook Inc., representing Amer. Society of Theatre Consultants; principal; user
Don Dimitroff; Columbus McKinnon Corp.; principal; producer
M. Brad Dittmer; Downhome Productions; principal; user
Dean Hart; Stage Rigging, Inc. (Freeman Companies); observer; user (change of voting status at this meeting)
Reid Neslage; H & H Specialties Inc.; principal; producer
Jeffrey Hoffend; Hoffend & Sons, Inc.; principal; producer
Edwin S. Kramer; I.A.T.S.E, Local 1; principal; user
Perry Langenstein; International Theatre Consultants; observer; general interest
Rodney F. Kaiser; J.R. Clancy Inc.; principal; producer
Thomas S. Young; J.R. Clancy Inc.; alternate; producer
Tray Allen; James Thomas Engineering, Inc.; alternate; producer
Edward Paget; Jones & Phillips Associates, Inc.; observer; general interest
William Beautyman; Limelight Productions, Inc.; principal; user (joined at this meeting)
Baer Long; MGM Grand Hotel Casino (MGM-Mirage Inc.); principal; user
Shawn Nolan; Nolan Entertainment Structures; observer; general interest (joined at end of the meeting)
Tim Hansen; Oasis Stage Werks; principal; user
Richard J. Nix; On Location Lighting Systems Inc.; principal; general interest
Tim Cox; PLASA; principal; general interest
Bill Sapsis; Sapsis Rigging, Inc.; principal; user
Dan Culhane; SECOA; principal; producer
Jerry Gorrell; Theatre Safety Programs; principal; general interest
Keith Bohn; Tomcat USA, Inc.; principal; producer
Hans van der Moolen; Verlinde N.L. (Verlinde Spa. France); principal; producer

Visitors: Peter Cavanaugh; Kleege Industries
Jerry Ritter; Concert Staging Services, Inc.
Robin Crews; Wrightson, Johnson, Haddon & Williams, Inc.
Timothy Franklin; Geiger Engineers
Edward Raymond; IATSE Local 16

1 Opening remarks

Mike Garl called the meeting to order at 19:06. He welcomed all to the new Dallas/Ft. Worth Marriott South hotel, the one at the end of the white van trip.

2 Attendance and membership

2.1 Introduction of those present

Mike Garl asked those present to introduce themselves.

2.2 Call for quorum

Garl noted that enough voting members were present to constitute a quorum and a supermajority.

2.3 Requirements for membership

Mike Garl stated that working group membership is open to all with a material interest in the work of the group. However, there is an attendance requirement for voting members.

Attendance requirement: Every principal member of the working group is 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.

Garl also reminded people that they must vote on letter ballots. Three missed ballots results in observer status.

3 Processing of new membership requests

Dean Hart, who was the principal for Stage Rigging (one of the Freeman Companies) asked that he and his alternate, Rocky Paulson, become observers.

Bill Beautyman of Limelight Productions applied as a principle in the user interest category.

Bill Sapsis moved that the two applications be accepted. The motion was seconded. The motion was accepted by a show of hands.

The total voting membership, including those not present, was thus:

Name	Company	Representing	Voting status	Interest cat.
Michael G. Wiener	Aerial Rigging & Leasing, Inc.	Aerial Rigging & Leasing, Inc.	P	U
William Conner	Schuler & Shook Inc.	Amer. Society of Theatre Consultants	P	U
Andrew T. Martin	ATM Group, Inc.	ATM Group, Inc.	P	P
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	P
Wally Blount	Columbus McKinnon Corp.	Columbus McKinnon Corp.	A	P
M. Brad Dittmer	Downhome Productions	Downhome Productions	P	P
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	P
Jeffrey Hoffend	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	P	P
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	P	P
Jack Suesse	J.R. Clancy, Inc. (NC)	J.R. Clancy, Inc.	A	P
Thomas S. Young	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	P
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P	P
Tray Allen	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	A	P
Nevin Kleege	Kleege Industries	Kleege Industries	P	U
William Beautyman	Limelight Productions	Limelight Productions	P	U
Louis Bradfield	Louis Bradfield	Louis Bradfield	I	U
Baer Long	MGM Grand Hotel Casino	MGM-Mirage Inc.	P	U
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	U
Robert A. Grenier Jr.	Ocean State Rigging Systems Inc.	Ocean State Rigging Systems Inc.	P	U
Richard J. Nix	On Location Lighting Systems Inc.	On Location Lighting Systems Inc.	P	G
Tim Cox	PLASA	PLASA	P	G
Tony Douglas-Beveridge	PLASA	PLASA	A	G
Michael Akrep	Polar Focus, Inc.	Polar Focus, Inc.	P	P
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	U
Dan Culhane	SECOA	SECOA	P	P
Larry Lutz	Texas Scenic Company	Texas Scenic Company	P	P
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U
Keith Bohn	Tomcat USA, Inc.	Tomcat USA, Inc.	P	P
Mitch Clark	Tomcat USA, Inc.	Tomcat USA, Inc.	A	P
Mark Newlin	Tomcat USA, Inc.	Tomcat USA, Inc.	A	P
John James	Tomcat USA, Inc.	Tomcat USA, Inc.	A	P

Name	Company	Representing	Voting status	Interest cat.
Peter Johns	Total Structures, Inc.	Total Structures, Inc.	P	P
Ian Coles	Total Structures, Inc.	Total Structures, Inc.	A	P
Peter Hind	Total Structures, Inc.	Total Structures, Inc.	A	P
Doug Recher	Total Structures, Inc.	Total Structures, Inc.	A	P
Hans van der Moolen	Verlinde N.L.	Verlinde Spa. France	P	P
			26	13 P
				11 U
				2 G

4 Approval of minutes from the previous meeting

Dan Culhane moved that the minutes be accepted minutes as written. The motion was seconded. The motion was approved by a show of hands.

5 The ESTA declarations

The following notices were read aloud to the group by Mike Garl.

5.1 Anti-trust statement

"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 \$100,000 and imprisoned for up to three years. An easy to read pamphlet describing restraint of trade issues is available from the Technical Standards Manager."

Karl Ruling waved some of the easy to read pamphlets above his head to show that they were available. No anti-trust issues were raised by any member of the assembly.

5.2 Call for patents:

"ESTA intends to publish no standard that contains protected intellectual property, unless that property can be licensed by anyone for a reasonable fee. ESTA uses a process of open patent disclosures to implement this intent. ESTA does not conduct patent searches and does not warrant that its standards contain no protected intellectual property.

"In keeping with the open disclosure policy, I ask if anyone present wishes to notify the working group of the existence of a patent that might protect material in a standard being developed by the working group. You need not be the holder of the patent in order to notify the working group of its existence."

No intellectual property issues were raised by any member of the assembly.

6 Approval of agenda

Tim Cox said he had a report to give on a German truss standard, so that should be added under "Other business." Brad Dittmer moved that the agenda be accepted with this addition.

7 Old business

7.1E1.4 - Manual Rigging Systems

Rodney Kaiser reported that the task group had gotten through a lot of the comments while meeting at the USITT Conference and that the group expects to get through more at the end of this meeting.

Another public review will be needed because substantive changes have been made. He said that he hopes to be able to make a motion to accept the public review resolutions and to start another public review at the next meeting.

7.2E1.6 – Powered Rigging Systems

Tom Young also reported that the task group is making progress. The task group has completed a draft of the comment resolution document, but there needs to be some further polishing of the resolutions.

7.3E1.7 - Recommended Practice for Flying Performers

Ruling reported that public review period will close at the end of the day, 7 May.

7.4E1.8 - Speaker Enclosures Rigging Standard

Karl Ruling reported that the TSC had rejected the motion to send the draft standard to public review. The TSC felt that the public review comments urging the "should" statements be changed to "shall" statements had not been properly addressed. The rejection of the public review comments had been justified by the statement that E1.8 is a minimal standard. The TSC felt that a minimal standard is defined by having the requirements be minimum requirements, but that they must be requirements and not optional things.

For the readership of our standards, "should" means that it is preferable for something to be done, but that not doing it is also acceptable; "should" statements allow compliance to be accomplished by doing nothing. The numerous "should" statements in the standard, for example, allow a company to comply with the employee training provisions by not training them at all, to comply with the enclosure testing provisions by doing no testing, to comply with the user information provisions by shipping the enclosures with no instructions. The TSC did not believe that the working group really feels that employee training, enclosure testing, and user instructions are not necessary.

Mike Garl explained that the task group will need to re-examine the resolutions of those comments. The "should" statements could be changed to "shall" statements, or the argument must be made that the should provisions are really meant to be optional and that compliance with them are not necessary to claim compliance with the standard.

7.5E1.15 – Boom & base standard

Richard Nix said that he is continuing to revise the document.

7.6E1.21 – Stage roofs proposal

Keith Bohn reported that Peter Hind of Total Structures has put together an outline and has started to flesh it out. A task group meeting is scheduled for the concierge lounge Saturday morning at 9:00 to work on it some more.

7.7Fire curtains

Bill Conner reported that the task group had met that day to work on a scope statement and to develop a format and concept. He read the draft scope statement.

"This standard governs the materials, fabrication, installation, operation, and maintenance of fire curtain systems used for proscenium opening protection and designed to restrict the passage of heat, hot gases, and smoke from the stage to the audience area."

The format for the document would be

- (1) an overview of what it's supposed to do,
- (2) a set of performance specifications,
- (3) a "deemed to comply section" that is a cook-book of common solutions.

The task group also agreed to meet July 26 from 9:00 to noon, which is the next meeting weekend. They will e-mail homework in between times. A deadline of 5:00 July 10 for any information that needs to be distributed to the working group had been sent.

The title was agreed by consensus to be: E1.22, Entertainment Technology – fire curtain systems.

7.8E1.2 – Aluminum Trusses and Towers revision

Mike Garl reported that he had contacted the people who had been on the original task group and is assembling a group to work on the project. They will work on it in July.

Baer Long suggested that definitions of shear, tension, and compression need to be looked at. He also questioned the use of trusses as boom and base assemblies.

8 New business

None.

9 Other business

Tim Cox reported that the VPLT truss standard has been published as VPLT SR1.0. It is available for free as a download from the VPLT website. It was written by VPLT with the VBG, which is the worker protection agency in Germany.

10 Schedule for future meetings

Mike Garl announced that the next meeting shall be Friday, 26 July, at this hotel, at 7:00 in the evening. Then we'll meet in Las Vegas just before LDI. If task groups need to meet during LDI, we need to know very soon. Room changes are very difficult to handle during LDI.

11 Changes of membership status resulting from lack of attendance.

None.

At this point in the meeting, Shawn Nolan applied as an observer in the general interest category. Dan Culhane moved that his application be accepted. The motion was seconded. The motion was approved by a unanimous show of hands.

12 Adjournment

Baer Long moved that the meeting adjourn. The motion was seconded. The motion was approved unanimously. Mike Garl declared the meeting adjourned at 20:21.

Rigging Working Group Membership and Contact Information as of 21 June 2002

Name	Company	Representing	Voting status	Int. cat.
Michael G. Wiener	Aerial Rigging & Leasing, Inc.	Aerial Rigging & Leasing, Inc.	P	U
William Conner	Schuler & Shook Inc.	Amer. Society of Theatre Consultants	P	U
Jim Fletcher	American Sling Company, Inc.	American Sling Company, Inc.	O	P
Andrew T. Martin	ATM Group, Inc.	ATM Group, Inc.	P	P
Lee J. Bloch	Bloch Design Group Inc.	Bloch Design Group Inc.	O	G
Eric Todd	BML Inc.	BML Inc.	O	P
Paul Tardue	BML Inc.	BML Inc.	O	P
Joachim Stoecker	CAMCO GmbH	CAMCO GmbH	O	P
Mark M. Witteveen	Chicago Flyhouse Inc.	Chicago Flyhouse Inc.	O	U
Ted Jones	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	O	U
Wally Blount	Columbus McKinnon Corp.	Columbus McKinnon Corp.	A	P
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	P
Ron Fogel	Creative Realities, Inc.	Creative Realities, Inc.	O	G
Jason Friedman	Creative Realities, Inc.	Creative Realities, Inc.	O	G
Harry Donovan	Donovan Rigging, Inc.	Donovan Rigging, Inc.	O	U
Wes Jenkins	Down Stage Right Industries	Down Stage Right Industries	O	P
M. Brad Dittmer	Downhome Productions - Springfield, MO	Downhome Productions	P	U
Dean Hart	Stage Rigging, Inc.	Freeman Companies	O	U
Rocky Paulson	Stage Rigging, Inc.	Freeman Companies	O	U
David M. Campbell	Geiger Engineers	Geiger Engineers	O	G
Paul Brady	Grand Stage Company, Inc.	Grand Stage Company, Inc.	O	U
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	P
Delbert Hall	Hall Associates Inc.	Hall Associates Inc.	O	U
Jeffrey Hoffend	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	P	P
Edwin S. Kramer	I.A.T.S.E., Local 1	I.A.T.S.E. Local 1	P	U
Gian Carlo C. Bartolotti	Ibeam SP / Banco de Eventos	Ibeam SP / Banco de Eventos	O	U
Perry Langenstein	International Theatre Consultants	International Theatre Consultants	O	G
Jack Suesse	J.R. Clancy, Inc.	J.R. Clancy, Inc.	A	P
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	P	P
Thomas S. Young	J.R. Clancy Inc.	J.R. Clancy, Inc.	A	P
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P	P
Tray Allen	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	A	P
Jay O. Glerum	Jay O. Glerum & Associates, Inc.	Jay O. Glerum & Associates, Inc.	O	U
Chuck McClelland	Jeamar Winches Inc.	Jeamar Winches Inc.	O	P
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
Ray Robins	Kansas Stage Inc.	Kansas Stage Inc.	O	U
Nevin Kleege	Kleege Industries	Kleege Industries	P	U
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	U
Louis Bradfield	Louis Bradfield	Louis Bradfield	I	U
Kevin Dallmeyer	Mandalay Resort Group	Mandalay Resort Group	O	U
Baer Long	MGM Grand Hotel Casino	MGM-Mirage Inc.	P	U
Charles E. Gorgen	Midwest Crane Corp.	Midwest Crane Corp.	O	P
Kent H. Jorgensen	MPS Grips, Local 80	MPS Grips, Local 80	O	G
Shawn Nolan	Nolan Entertainment Structures	Nolan Entertainment Structures	O	G
Ted Hickey	OAP Audio Products	OAP Audio Products	O	P
Gary Justesen	Oasis Stage Werks	Oasis Stage Werks	O	U
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	U
Robert A. Grenier Jr.	Ocean State Rigging Systems Inc.	Ocean State Rigging Systems Inc.	P	U
Frederick L. Smith	Olaf Soot Associates	Olaf Soot Associates	O	P
Olaf Soot	Olaf Soot Associates	Olaf Soot Associates	O	P
Richard J. Nix	On Location Lighting Systems Inc.	On Location Lighting Systems Inc.	P	G
Joseph Rapier	Parkhill, Smith & Cooper, Inc.	Parkhill, Smith & Cooper, Inc.	O	P
Patrick Stansfield	Patrick Stansfield Assoc., Inc.	Patrick Stansfield Assoc., Inc.	O	U
Peter Letzelter-Smith	Peter Letzelter-Smith	Peter Letzelter-Smith	O	U
Billy Phillips	Phillips Rigging	Phillips Rigging	O	P
Tony Douglas-Beveridge	PLASA	PLASA	A	G
Tim Cox	PLASA	PLASA	P	G
Michael Akrep	Polar Focus, Inc.	Polar Focus, Inc.	P	P
Marc Hendriks	Prolyte	Prolyte	O	P
Robert Barbagallo	Proximo Inc.	Proximo Inc.	O	U
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

Name	Company	Representing	Voting status	Int. cat.
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
Roo Dunn	Pennsylvania Convention Center	Roo Dunn	O	U
Heinz Siller	RST Präsentationssysteme	RST Präsentationssysteme	O	G
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	U
Dan Culhane	SECOA	SECOA	P	P
Luigi Sbalzarini	Selvolina SNC	Selvolina SNC	O	P
Jon Lagerquist	South Coast Repertory	South Coast Repertory	O	U
Jerrold S. Tiers	St. Louis Music Inc.	St. Louis Music Inc.	O	P
Richard C. Mecke	Texas Scenic Company	Texas Scenic Company	O	P
Larry Lutz	Texas Scenic Company	Texas Scenic Company	P	P
Alan Broadhurst	The Broadhurst Partnership	The Broadhurst Partnership	O	P
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	G
Ed Nicholas	Theatrical Lighting Systems, Inc.	Theatrical Lighting Systems, Inc.	O	U
F. Robert Bauer	Theatrix Inc.	Theatrix Inc.	O	U
John Van Lennep	Theatrix Inc.	Theatrix Inc.	O	U
Thomas Paterson	Thomas Paterson	Thomas Paterson	O	G
Mitch Clark	Tomcat USA, Inc.	Tomcat USA, Inc.	A	P
Mark Newlin	Tomcat USA, Inc.	Tomcat USA, Inc.	A	P
John James	Tomcat USA, Inc.	Tomcat USA, Inc.	A	P
Keith Bohn	Tomcat USA, Inc.	Tomcat USA, Inc.	P	P
Ian Coles	Total Structures, Inc.	Total Structures, Inc.	A	P
Peter Hind	Total Structures, Inc.	Total Structures, Inc.	P	P
Peter Johns	Total Structures, Inc.	Total Structures, Inc.	A	P
Doug Recher	Total Structures, Inc.	Total Structures, Inc.	A	P
Hans van der Moolen	Verlinde N.L.	Verlinde Spa. France	P	P
Eckart Steffens	SOUNDLIGHT	VPLT	O	G
Peter Happe	Walt Disney Imagineering	Walt Disney	O	U
Warren A. Bacon	Warren A. Bacon	Warren A. Bacon	O	U
		Voters		12 P
				11 U
				3 G
		Observers		15 P
				26 U
				12 G

Voting Status

- P Principal voting representative for a company or organization
- A Alternate voting representative for a company or organization
- I Individual representing no organization other than himself or herself
- O Observer; non-voting

Interest Categories

- P Producer (manufacturer) of rigging equipment
- U User of rigging equipment
- G General interest in rigging equipment