

**Minutes**  
**RIGGING WORKING GROUP**

Friday, 16 July 2004

19:00 - 23:00

Dallas/Ft. Worth Airport Marriott South  
Ft. Worth, TX

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

**Recording secretary:** Karl G. Ruling; ESTA

**Members attending:** Andrew T. Martin; ATM Group, Inc.; P; MP  
Don Dimitroff; Columbus McKinnon Corp.; P; MP  
Howard Ott; DEO Associates Inc.; P; G (joined at this meeting)  
M. Brad Dittmer; Downhome Productions; P; U  
Rocky Paulson; Stage Rigging, Inc. (The Freeman Companies); O; DR  
Edwin S. Kramer; I.A.T.S.E, Local 1; P; U  
Michael Keppler; Bogen (IFF); P; MP  
Rodney F. Kaiser; J.R. Clancy Inc.; P; CP  
Tray Allen; James Thomas Engineering, Inc.; A; MP  
Michael J. Carnaby; Mikan Theatricals; P; DR  
Tim Hansen; Oasis Stage Werks; P; DR  
Ron Bonner; PLASA; P; G  
Peter A. Scheu; Scheu Consulting Services; P; G  
Dan Culhane; SECOA; P; CP  
Jerry Gorrell; Theatre Safety Programs; P; G  
John C. Snook; Thermotex Industries Inc.; P; CP  
Tim Franklin; Theta-Consulting; P; G  
Pete Happe; Walt Disney Imagineering (Walt Disney Company); P; U  
Robin Crews; Wrightson, Johnson, Haddon & Williams, Inc.; P; G

**Visitors:** Dennis King; AMPTP  
Tim Wade; IATSE Local 600

**1 Opening remarks**

The meeting was called to order at 19:00 by Bill Sapsis. He introduced Beverly Inglesby, who conducted a "Post-it Note" session to develop story ideas for *Protocol*.

**2 Attendance and membership**

**2.1 Introduction of those present**

Those present introduced themselves.

**2.2 Circulation of attendance sign-in sheet**

Karl Ruling explained how to fill out the attendance sheet, and it was circulated.

**2.3 Call for quorum** (37 voting members: 14 needed for quorum, 19 to pass supermajority votes)

Bill Sapsis asked for a show of hands of voters. After a quick count, he announced that a quorum was present.

**2.4 Requirements for membership**

Bill Sapsis reminded the assembly that working group membership is open to all who are affected by the work of the group. 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 working group application had been received:

Howard R. Ott, DEO Associates, principal, general interest

Eddie Kramer moved that the application be accepted. The motion was seconded. The motion was approved by a unanimous show of hands

The complete consensus body during this meeting was thus:

Name	Company	Representing	Voting status	Int. cat.
Baer Long	Ninja Rigging	Act 1 Rigging Inc.	P	G
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	MP
Kirk Hilva	ATM Group, Inc.	ATM Group, Inc.	A	MP
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP
Wally Blount	Columbus McKinnon Corp.	Columbus McKinnon Corp.	A	MP
Howard R. Ott	DEO Associates	DEO Associates	P	G
M. Brad Dittmer	Downhome Productions - Springfield, MO	Downhome Productions	P	U
F. Robert Bauer	F.R. Bauer & Associates, LLC	F.R. Bauer & Associates, LLC	P	G
David M. Campbell	Geiger Engineers	Geiger Engineers	P	G
Timothy Mills	Geiger Engineers	Geiger Engineers	A	G
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP
Jeffrey Hoffend	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	P	CP
Peter Hoffend	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	A	CP
Edwin S. Kramer	I.A.T.S.E, Local 1	I.A.T.S.E. Local 1	P	U
Michael Keppler	Bogen	IFF	P	MP
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
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	DR
Harvey Sweet	LVH Entertainment Systems	LVH Electric, Inc.	P	DR
Michael J. Carnaby	Mikan Theatricals	Mikan Theatricals	P	DR
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	DR
Richard J. Nix	Performance Systems Integration	Performance Systems Integration	P	G
Ron Bonner	PLASA	PLASA	P	G
Michael Patterson	Pook Diemont & Ohl, Inc.	Pook Diemont & Ohl, Inc.	P	CP
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	U
Peter A. Scheu	Scheu Consulting Services	Scheu Consulting Services	P	G
Dan Culhane	SECOA	SECOA	P	CP
Jerald Kraft	SECOA	SECOA	A	CP
Larry Lutz	Texas Scenic Company	Texas Scenic Company	P	CP
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

Name	Company	Representing	Voting status	Int. cat.
Tim Franklin	Theta-Consulting	Theta-Consulting	P	G
Richard D. Thompson	Thompson Associates	Thompson Associates	P	G
Brian Dowd	TMB (NJ)	TMB	P	CP
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
Peter Hind	Total Structures, Inc.	Total Structures, Inc.	P	MP
Hans van der Moolen	Stagemaker Division Europe	Verlinde Spa. France	P	MP
Pete Happe	Walt Disney Imagineering	Walt Disney Company	P	U
Robin Crews	Wrightson, Johnson, Haddon & Williams, Inc.	Wrightson, Johnson, Haddon & Williams, Inc.	P	G

Thirty-seven voters: 9 mass-market producers, 7 custom-market producers, 4 dealer or rental companies, 11 general interest, and 6 users.

#### 4 **Approval of minutes from the previous meeting**

Dan Culhane moved that the draft minutes of the March 2004 meeting be accepted as written. The motion was seconded. The motion was approved by a unanimous show of hands.

#### 5 **ESTA declarations**

##### 5.1 **Anti-trust statement**

The following 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 \$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."

No issues were brought to the attention of the assembly.

##### 5.2 **Call for patents**

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

"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 issues were brought to the attention of the assembly.

#### 6 **Approval of agenda**

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

## **7 Old business**

### **7.1 E1.1 reaffirmation progress and objections**

Karl Ruling reported that the working group had voted to reaffirm E1.1, but that it needs to draft reasons for rejecting Eddie Kramer's reasons for arguing against the reaffirmation. The TSC needs to be assured that due diligence was exercised. The other comments that were submitted with the yes votes should also have a look.

After some discussion of who would work on a draft of the resolutions, Rocky Paulson volunteered. Karl Ruling offered to help him.

### **7.2 E1.2 – Aluminum trusses and towers revision public review responses**

Mike Garl was not present, and there was no report from other task group members.

### **7.3 E1.4 – Manual rigging systems public review**

Ruling reported that it is in public review.

### **7.4 E1.6 – Powered rigging systems comment resolutions**

There was a discussion of some discrepancies between the proposed comment resolution document and the draft standard. Some of the comment resolutions refer to clauses that have been removed, so the wording that the resolution says is there is not.

Tim Hansen moved that the task group revise and reconcile the comment resolutions and the draft standards document so they match. The motion was seconded. The motion was approved by a unanimous show of hands.

Karl Ruling suggested that those people who had expressed dissatisfaction with the resolutions send their specific objections to the task group members.

### **7.5 E1.8 - Speaker enclosures rigging standard comment resolutions and revised document**

There was a discussion of freezing the standards dates in 5.1.1 and 5.3.3 so that the current versions are the specified versions. This was done, and the comment resolutions document modified to reflect this action.

Eddie Kramer moved that we accept the revised comment resolutions and that we accept the revised E1.8 as an American National Standard. The motion was seconded. The motion will be decided by letter ballot, since there isn't a supermajority present and the final approval of a standard has to allow all voting members to vote.

### **7.6 E1.15 – Boom & base standard 2nd public review responses**

Ruling read Richard Nix's report and conveyed his regrets for not being able to attend to the assembly. Following is Nix's report:

A. We have draft resolutions completed for all comments except comment number Y5 (pertaining to the Sections 4 and 6 heading conflict), and comments (Y11, Y12, and N24) pertaining to Labeling/Signage issues.

B. Otherwise, we are completing our final proofread of the draft resolutions, their associated document revisions, and I anticipate that we will have them to you for letter ballot distribution sometime within the next 2-3 weeks.

### **7.7 E1.21 – Stage roofs standard public review responses**

Tim Franklin reported that the task group would be meeting to work on responses on the day after this meeting.

**7.8 E1.22 – Fire safety curtain systems comment resolutions**

Rodney Kaiser reported on the work being done, which has resulted in a major rewrite of the document. He is excited about where it's headed.

**8 New business**

None.

**9 Other business**

None.

**10 Schedule for future meetings**

Ruling reported that the next working group meeting is scheduled for Wednesday, October 20, from 19:00 to 23:00 at Harrah's Las Vegas Casino & Hotel in Las Vegas, Nevada. No task group meetings are scheduled.

The January TSP meetings will be held at the Dallas/Ft. Worth Airport Marriott South in Ft. Worth, Texas, on the 14 through 16 of January 2005.

**11 Changes of membership status resulting from lack of attendance**

With the close of this meeting, the following principals had missed three consecutive meetings, failing to meet the minimum attendance requirement. They would now be listed as observers.

Baer Long; Act 1 Rigging Inc.  
Michael G. Weiner; Aerial Rigging & Leasing, Inc.  
Brian Dowd; TMB

[Note: Shortly after this meeting Brian Dowd left TMB to work for another company and asked to be removed from all the TSP working groups in which he had been a member. Also, Kirk Hilva has left ATM Flyware.]

**12 Adjournment**

Dan Culhane moved that the meeting adjourn. The motion was seconded. The motion was approved by a unanimous show of hands. Bill Sapsis declared the meeting adjourned at 20:25.

## Rigging Working Group Membership as of 06 September 2004

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	Schuler & Shook Inc.	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.	P	MP
Dennis J. Lopez	Automatic Devices Co.	Automatic Devices Co.	O	MP
Buddy Braile	Bestek Lighting & Staging	Bestek Lighting & Staging	O	U
Lee J. Bloch	Blue Sky Design, Ltd.	Blue Sky Design, Ltd.	O	G
Eric Todd	BML Inc.	BML Inc.	O	MP
Paul Tardue	BML Inc.	BML Inc.	O	MP
Joachim Stoecker	CAMCO GmbH	CAMCO GmbH	O	MP
Charles E. Gorgen	Charles E. Gorgen	Charles E. Gorgen	O	G
Mark M. Witteveen	Chicago Flyhouse Inc.	Chicago Flyhouse Inc.	O	U
Ted Jones	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	O	U
Don Dimitroff	Columbus McKinnon Corp.	Columbus McKinnon Corp.	P	MP
Wally Blount	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.	P	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 - Springfield, MO	Downhome Productions	P	U
F. Robert Bauer	F.R. Bauer & Associates, LLC	F.R. Bauer & Associates, LLC	P	G
Thomas Reaoch	RC Consultoria e Representação Ltda.	Feeling Structures	O	MP
Hamilton Nunes Callegari	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
David M. Campbell	Geiger Engineers	Geiger Engineers	P	G
Timothy Mills	Geiger Engineers	Geiger Engineers	A	G
Paul Brady	Grand Stage Company, Inc.	Grand Stage Company, Inc.	O	U
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	MP
Delbert Hall	Hall Associates Inc.	Hall Associates Inc.	O	U
Jeffrey Hoffend	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	P	CP
Peter Hoffend	Hoffend & Sons, Inc.	Hoffend & Sons, Inc.	A	CP
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
Gian Carlo C. Bartolotti	Ibeam SP / Banco de Eventos	Ibeam SP / Banco de Eventos	O	U
Michael Keppler	Bogen	IFF	P	MP
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
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
Nevin Kleege	Kleege Industries	Kleege Industries	O	U
William Beautyman	Limelight Productions, Inc.	Limelight Productions, Inc.	P	DR
Louis Bradfield	Louis Bradfield	Louis Bradfield	O	U
Harvey Sweet	LVH Entertainment Systems	LVH Electric, Inc.	P	DR
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
Kent H. Jorgensen	MPS Grips, Local 80	MPS Grips, Local 80	O	G
Bradford A. Kegel	National Production Services Inc.	National Production Services Inc.	O	U
David Gisbourne	Newtex Industries, Inc.	Newtex Industries, Inc.	O	CP
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

Name	Company	Representing	Voting status	Int. cat.
Gary Justesen	Oasis Stage Werks	Oasis Stage Werks	O	U
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 Rapiet	Parkhill, Smith & Cooper, Inc.	Parkhill, Smith & Cooper, Inc.	O	CP
Patrick Stansfield	Patrick Stansfield Assoc., Inc.	Patrick Stansfield Assoc., Inc.	O	U
John Jones	PCM/Pfaff Silberblau Ltd.	PCM/Pfaff Silberblau Ltd.	O	DR
Richard J. Nix	Performance Systems Integration	Performance Systems Integration	P	G
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.	P	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
Roo Dunn	Pennsylvania Convention Center	Roo Dunn	O	U
Heinz Siller	RST Prsentations-systeme	RST Prsentations-systeme	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
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
Roger Barrett	Star Events Group Ltd.	Star Events Group Ltd.	O	DR
Shawn Nolan	Entertainment Structures Group	Steven Schafer Associates	O	G
Reuben Goldberg	Technic Services	Technic Services	O	U
Larry Lutz	Texas Scenic Company	Texas Scenic Company	P	CP
Richard C. Mecke	Texas Scenic Company	Texas Scenic Company	O	CP
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	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	P	G
Thomas Paterson	Thomas Paterson	Thomas Paterson	O	G
Richard D. Thompson	Thompson Associates	Thompson Associates	P	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
Peter Hind	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
Hans van der Moolen	Stagemaker Division Europe	Verlinde Spa. France	P	MP
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
Melvin Wierenga	Wierenga & Assoc.	Wierenga & Assoc.	O	DR
Robin Crews	Wrightson, Johnson, Haddon & Williams, Inc.	Wrightson, Johnson, Haddon & Williams, Inc.	P	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