

**MINUTES**  
**RIGGING WORKING GROUP**  
Wednesday, 18 October 2000  
Harrah's Las Vegas  
Las Vegas, NV

**Chair:** Mike Garl; James Thomas Engineering, Inc.; Principal; Producer

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

**Members attending:** Andrew T. Martin; ATM Group, Inc.; Principal; Producer  
Joachim Stoecker; CAMCO GmbH; Observer; Producer  
Don Dimitroff; CM Lodestar (Columbus McKinnon); Principal; Producer  
Michael Sandman; Custom Rigging Systems; Principal; Producer (joined at this meeting)  
M. Brad Dittmer; Downhome Productions - Springfield, MO; Principal; User  
Rodney F. Kaiser; J.R. Clancy Inc.; Principal; Producer  
Nevin Kleege; Kleege Industries; Principal; User  
Louis Bradfield; Louis Bradfield; Individual; User  
Kevin Dallmeyer; Mandalay Resort Group; Principal; User (joined at this meeting)  
Baer Long; MGM Grand Hotel Casino (MGM-Mirage Inc.); Principal; User (joined at this meeting)  
Tim Hansen; Oasis Stage Werks; Principal; User  
Frederick L. Smith; Olaf Soot Associates; Principal; Producer  
Tim Cox; PLASA; Principal; General interest  
Paul Edwards; Fourth Phase (PRG); Principal, User (joined at this meeting)  
Randall W. A. Davidson; Risk International & Associates, Inc.; Observer; User  
Richard Nix; Sacramento Theatrical Lighting; Principal; General interest  
Bill Sapsis; Sapsis Rigging, Inc.; Principal; User  
Dan Culhane; SECOA; Principal; Producer  
Dean Hart; Stage Rigging, Inc.; Observer; User  
Jerry Gorrell; Theatre Safety Programs; Principal; General interest  
F. Robert Bauer; Theatrix Inc.; Observer; User  
Keith Bohn; Tomcat USA, Inc.; Principal; Producer  
Tim Madrid; Total Structures Inc.; Total Structures, Inc.; Alternate; Producer (joined at this meeting)

**Visitors:** John Van Lennep, Theatrix

**1 Opening remarks**

Mike Garl called the meeting to order at 19:02 and welcomed all to Las Vegas. He thanked those attending for taking time out of their schedules to write standards.

**2 Attendance and membership**

**2.1 Introduction of those present**

Garl asked those present to introduce themselves, which they did, proceeding in a counter clockwise direction around the hollow-square table.

**2.2 Call for quorum (8 needed. 12 for supermajority.)**

Garl asked for a show of hands of the voting members. A quorum was present.

### 2.3 Requirements for membership

Garl reminded people of the attendance requirement:

Every principal member of the working group is required to attend meetings. Any principal member and voting alternate who miss three consecutive meetings will have their membership status changed from voting members 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

Mike Garl read the applications:

Wally Blount asked to be changed from principal for CM Lodestar to alternate.

Don Dimmetroff applied to be the principal for CM Lodestar (producer).

Paul Edwards applied as the principal for PRG (user).

Baer Long applied as the principal representing MGM-Mirage Inc. (user)

Tim Madrid applied as an alternate representing Total structures (producer)

Michael Sandman applied as the principal for Custom Rigging Systems (producer)

Kevin Dallmeyer applied as the principal for the Mandalay Resort Group (user)

Bill Sapsis moved that the working group accept all the applications. The motion was seconded. There was no discussion. The applications were approved unanimously by a show of hands.

The voting membership of 26 was thus:

Name	Company	Parent comp./Org. represented	Voting status	Int. cat.
Michael G. Wiener	Aerial Rigging & Leasing, Inc.	Aerial Rigging & Leasing, Inc.	P	U
Andrew T. Martin	ATM Group, Inc.	ATM Group, Inc.	P	P
Don Dimitroff	CM Lodestar	Columbus McKinnon	P	P
Wally Blount	CM Lodestar	Columbus McKinnon	A	P
Michael Sandman	Custom Rigging Systems	Custom Rigging Systems	P	P
M. Brad Dittmer	Downhome Productions - Springfield, MO	Downhome Productions	P	U
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	P
Edwin S. Kramer	IATSE, 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
Mervyn Thomas	James Thomas Engineering Ltd.	James Thomas Engineering, Inc.	A	P
Tray Allen	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	A	P
Nevin Kleege	Kleege Industries	Kleege Industries	P	U
Louis Bradfield	Louis Bradfield	Louis Bradfield	I	U
Kevin Dallmeyer	Mandalay Resort Group	Mandalay Resort Group	P	U
Baer Long	MGM Grand Hotel Casino	MGM-Mirage Inc.	P	U
Kent H. Jorgensen	MPS Grips, Local 80	MPS Grips, Local 80	P	G
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	U
Frederick L. Smith	Olaf Soot Associates	Olaf Soot Associates	P	P
Olaf Soot	Olaf Soot Associates	Olaf Soot Associates	A	P
Tim Cox	PLASA	PLASA	P	G
Tony Douglas-Beveridge	PLASA	PLASA	A	G
Paul Edwards	Fourth Phase New Jersey	PRG	P	U
Richard Nix	Sacramento Theatrical Lighting	Sacramento Theatrical Lighting	P	G
Bill Sapsis	Sapsis Rigging, Inc.	Sapsis Rigging, Inc.	P	U
Dan Culhane	SECOA	SECOA	P	P
Rocky Paulson	Stage Rigging, Inc.	Stage Rigging, Inc.	P	U
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	G
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
Peter Johns	Total Structures, Inc.	Total Structures, Inc.	P	P
Ian Coles	Total Structures, Inc.	Total Structures, Inc.	A	P
Peter Hind	Total Fabrications Ltd.	Total Structures, Inc.	A	P
Doug Recher	Total Structures, Inc.	Total Structures, Inc.	A	P
Tim Madrid	Total Structures Inc.	Total Structures, Inc.	A	P
Peter Happe	Walt Disney Imagineering	Walt Disney	P	U

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

Brad Dittmer moved that the draft minutes of the July meeting be approved as written. The motion was seconded and then unanimously approved by a show of hands.

#### **5 ESTA declarations**

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

Mike Garl read the following 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 restrain trade. Anyone who feels that an action restraining trade is being or has been taken is requested to bring the 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 any member of this working group maybe found individually liable for any action that restrains trade taken by this working group. An individual convicted of a violation of the Sherman Act may be fined as much as \$100,000 and be imprisoned for up to three years. An easy to read pamphlet describing restraint of trade is available from the Technical Standards Committee."

Garl paused for to allow any one to identify any restraint of trade issues. None were reported.

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

Mike Garl read the following statement about protected intellectual property:

"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."

There were no notifications.

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

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

#### **7 Old business**

##### **7.1 E1.2 - Aluminum Truss & Towers – status report**

Karl Ruling reported that ANSI E1.2-2000 has been published and is on sale at the USITT booth on the LDI trade show floor.

##### **7.2 E1.4 - Manual Counterweight Rigging Systems**

Rod Kaiser reported that the resolutions have not been completed. Garl asked if more help is needed. Kaiser said yes. Garl directed working group members to contact Kaiser to offer help, if they are interested.

##### **7.3 E1.6 – Powered Rigging Systems**

Tom Young, the head of this task group, was not present since his attendance at the ESTA Board meeting, scheduled at the same time, was required. Karl Ruling reported that the last public review closed on October 10<sup>th</sup> and that the comments had been distributed to the working group.

Ruling also reported that there is a substantial overlap in the scopes of BSR E1.6 and BSR E1.13. This is a problem because we should not be writing redundant standards and because the requirements for the two at present are very different. It would cost a manufacturer significantly more to make a system that complies with the draft E1.6 than to the draft E1.13.

Rodney Kaiser moved that the two document task groups get together with the recommendation that they work on combining the two standards and that they come back to the next meeting with a proposed solution. The motion was seconded. The motion was accepted unanimously with a show of hands.

**7.4 E1.7 - Recommended Practice for Flying Performers**

Ruling reported that the public review closed on September 12<sup>th</sup>, and that the comments had been distributed to the working group. Delbert Hall was not present to give a report on the state of the comment resolutions process.

**7.5 E1.8 - Speaker Enclosures Rigging Standard**

Karl Ruling reported that BSR E1.8 is in public review.

**7.6 E1.10 - Building Structural Requirements**

The public review closed on September 12<sup>th</sup>. Jerry Gorrell reported that he hasn't resolved the public review comments yet. He expects to have the draft resolutions finished by January.

**7.7 E1.13 - Arena Scoreboards and Speakers**

Wally Blount was at the ESTA Board meeting, which had been scheduled at that same time as this meeting, and was not present to give a comment resolutions status report. There was some continued discussion of the requirements in E1.13 and overlap with E1.6. Those members of the two task groups who were present agreed to contact Wally Blount and Tom Young during a break in the ESTA Board meeting to set up a meeting to implement the motion Rodney Kaiser made in item 7.3 above.

**7.8 E1.15 – Boom & base standard**

Karl Ruling reported that the TSC had rejected the motion to send BSR E1.15 to public review on a recirculated vote. The TSC felt that it was too poorly written to go to public review at this time. The TSC recommended that the project's author work with an academic, perhaps a member of USITT, to rewrite the document.

Richard Nix asked for some of the specifics of what was poorly written. Ruling agreed to send him his notes on this.

Nix asked for more comments from the working group to help improve the document.

**8 New business**

None.

**9 Other business**

Mike Garl reminded people that ESTA swag is for sale, and that the profits go to support the Technical Standards Program.

**10 Schedule for future meetings**

Mike Garl announced that the next meeting will be on Friday, the 19 of January 2001 at Dallas/Ft. Worth Airport Marriott at 19:00. The following meeting will be Wednesday, 21 March 2001 at 19:00 in Long Beach, CA.

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

Mike Garl said that no changes were needed at this time.

**12 Adjournment**

Jerry Gorrell moved that the meeting adjourn. The motion was seconded. The motion was accepted unanimously by a show of hands.

### Rigging Working Group Membership at Close of 18 October 2000 Meeting

Name	Company	Parent comp./Org. represented	Voting status	Int. cat.
Michael G. Wiener	Aerial Rigging & Leasing, Inc.	Aerial Rigging & Leasing, Inc.	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
Marty Lazarus	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	O	U
Wally Blount	CM Lodestar	Columbus McKinnon	A	P
Don Dimitroff	CM Lodestar	Columbus McKinnon	P	P
Ron Fogel	Creative Realities, Inc.	Creative Realities, Inc.	O	G
Jason Friedman	Creative Realities, Inc.	Creative Realities, Inc.	O	G
Michael Sandman	Custom Rigging Systems	Custom Rigging Systems	P	P
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
David M. Campbell	Geiger Engineers	Geiger Engineers	O	G
Paul Brady	Grand Stage Company, Inc.	Grand Stage Company, Inc.	O	U

Name	Company	Parent comp./Org. represented	Voting status	Int. cat.
Reid Neslage	H & H Specialties Inc.	H & H Specialties Inc.	P	P
Delbert Hall	Hall Associates Inc.	Hall Associates Inc.	O	U
Donald A. Hoffend, Jr.	Hoffend and Sons, Inc.	Hoffend and Sons, Inc.	O	P
James Dzakowic	Hoffend and Sons, Inc.	Hoffend and Sons, Inc.	O	P
Jeffrey Hoffend	Hoffend and Sons, Inc.	Hoffend and Sons, Inc.	O	P
Peter Hoffend	Hoffend and Sons, Inc.	Hoffend and Sons, Inc.	O	P
Edwin S. Kramer	IATSE, Local 1	I.A.T.S.E. Local 1	P	U
Perry Langenstein	International Theatre Consultants	International Theatre Consultants	O	G
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
Rodney F. Kaiser	J.R. Clancy Inc.	J.R. Clancy, Inc.	P	P
Mike Garl	James Thomas Engineering, Inc.	James Thomas Engineering, Inc.	P	P
Mervyn Thomas	James Thomas Engineering Ltd.	James Thomas Engineering, Inc.	A	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
Andrew Smith	Jeamar Winches Inc.	Jeamar Winches Inc.	O	P
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
Ray Robins	Kansas Stage Inc.	Kansas Stage Inc.	O	U
Nevin Kleege	Kleege Industries	Kleege Industries	P	U

Name	Company	Parent comp./Org. represented	Voting status	Int. cat.
Ian J. Warhurst	Lite Structures (GB) Ltd.	Lite Structures (GB) Ltd.	O	P
Louis Bradfield	Louis Bradfield	Louis Bradfield	I	U
Kevin Dallmeyer	Mandalay Resort Group	Mandalay Resort Group	P	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	P	G
Ted Hickey	OAP Audio Products	OAP Audio Products	O	P
Gary Justesen	Oasis Stage Werks	Oasis Stage Werks	O	P
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	U
Frederick L. Smith	Olaf Soot Associates	Olaf Soot Associates	P	P
Olaf Soot	Olaf Soot Associates	Olaf Soot Associates	A	P
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 Standards Office	PLASA	A	G
Tim Cox	PLASA	PLASA	P	G
Michael Akrep	Polar Focus, Inc.	Polar Focus, Inc.	O	P
George Sabbi	PRG Lighting and Audio Group	PRG	O	U
Paul Edwards	Fourth Phase New Jersey	PRG	P	U
Robert Barbagallo	Proximo Inc.	Proximo Inc.	O	U
Scott Mohr	R&R Cases and Cabinets	R&R Cases and Cabinets	O	G

Name	Company	Parent comp./Org. represented	Voting status	Int. cat.
Mark Fitch	Renkus-Heinz, Inc.	Renkus-Heinz, Inc.	O	P
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
Richard Nix	Sacramento Theatrical Lighting	Sacramento Theatrical Lighting	P	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
Michael Wood	Slick Systems International (UK)	Slick Systems International (UK)	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
Rocky Paulson	Stage Rigging, Inc.	Stage Rigging, Inc.	P	U
Dean Hart	Stage Rigging, Inc.	Stage Rigging, Inc.	O	U
Richard C. Mecke	Texas Scenic Company	Texas Scenic Company	O	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
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

Name	Company	Parent comp./Org. represented	Voting status	Int. cat.
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 Fabrications Ltd.	Total Structures, Inc.	A	P
Peter Johns	Total Structures, Inc.	Total Structures, Inc.	P	P
Doug Recher	Total Structures, Inc.	Total Structures, Inc.	A	P
Tim Madrid	Total Structures Inc.	Total Structures, Inc.	A	P
Eckart Steffens	SOUNDLIGHT	VPLT	O	G
Peter Happe	Walt Disney Imagineering	Walt Disney	P	U
Warren A. Bacon	Warren A. Bacon	Warren A. Bacon	O	U

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