

**Minutes**  
**RIGGING WORKING GROUP**  
November 17, 1999, 7 p.m.  
Peabody Hotel, Orlando, FL

Chairman: Mike Garl; James Thomas Engineering, Inc.; Principal; Producer  
Recording secretary: Karl G. Ruling, ESTA

Members attending: Lee J. Bloch; Bloch Design Group Inc.; Observer; Gen. Interest  
Ron Fogel; Creative Realities, Inc.; Principal; Gen. Interest  
Reid Neslage; H & H Specialties Inc.; Principal; Producer  
Edwin S. Kramer; IATSE, Local 1; Principal; User  
Rodney F. Kaiser; J.R. Clancy Inc.; Principal; Producer  
Thomas S. Young; J.R. Clancy Inc.; Alternate; Producer  
Jay O. Glerum; Jay O. Glerum & Associates, Inc.; Principal; User  
Andrew Smith; Jeamar Winches Inc.; Principal; Producer  
Chuck McClelland; Jeamar Winches Inc.; Alternate; Producer  
Louis Bradfield; Louis Bradfield; Individual; User  
Kent H. Jorgensen; MPS Grips, Local 80; Observer; Gen. Interest (joined at this meeting)  
Tim Hansen; Oasis Stage Werks; Principal; User  
Frederick L. Smith; Olaf Soot Associates; Principal; Producer  
Tim Cox; PLASA; Principal; Gen. Interest  
Richard Nix; Sacramento Theatrical Lighting; Principal; Gen. Interest  
Bill Sapsis; Sapsis Rigging, Inc.; Principal; User  
Rocky Paulson; Stage Rigging, Inc.; Principal; User  
Jerry Gorrell; Theatre Safety Programs; Principal; Gen. Interest  
Keith Bohn; Tomcat USA, Inc.; Principal; Producer  
Doug Recher; Total Structures (Fabrications); Alternate; Producer (joined at this meeting)

1 Opening Remarks

Mike Garl called the meeting to order at 7:06 p.m.

2 Attendance and Membership

2.1 Introduction of Those Present

Those present introduced themselves.

2.2 Call for Quorum

Garl announced that more than nine voting members were present, so there was a quorum.

2.3 Requirements for Membership

Garl reminded the group of the attendance requirement:

Every principal member of the working group is required to attend meetings. Any principal member or voting alternate who misses 3 consecutive meetings will have their membership status changed from principal member 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 since the last meeting:

Doug Recher; Total Structure (Fabrications); Alternate, Producer  
Perry Langerstein; International Theatre Consultants; Producer; General interest  
Pete Happe, Walt Disney Engineering, Principal, User

Dean Hart; Stage Rigging, Inc.; Alternate, Producer  
Kent Jorgensen; MPS Grips, Local 80; Observer; General interest  
Eckart Steffens, VPLT; Observer, General interest

Bill Sapsis moved that the applications be accepted. Jay Glerum seconded the motion. The motion passed unanimously by a show of hands.

4 Approval of Minutes from the Previous Meeting

Eddie Kramer moved that the minutes be accepted as written. Jerry Gorrell seconded the motion. Motion passed unanimously by a show of hands.

5. ESTA Declarations

Mike Garl read the following notices:

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 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.

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 protected intellectual property was identified by anyone in the group.

6 Approval of Agenda

Garl said that we will add fundraising under "Other Business," unless there are any objections. There were no objections raised.

7. Old Business

7.1 ANSI E1.1 - Wire Rope Ladder Standard – Final Status Report

Karl Ruling reported that the finished ANSI standard should be published soon.

Mike Garl congratulated Rocky Paulson, the principal author, and the working group.

7.2 E1.2 - Aluminum Truss Standard – Comment Resolution

Mike Garl reported that the task group would meet after this working group meeting to finish resolving the few comments that were received.

7.3 E1.4 - Manual Counterweight Flying Systems Standard - Status Report

Rod Kaiser noted that it is now called a standard for "Manual Rigging Systems." "Counterweigh" is gone because counterweights are not always used, and "flying" has been changed to "rigging" to avoid confusion with BSR E1.7.

Kaiser distributed copies of the suggested resolutions from the task group and the new document.

Jay Glerum moved that the resolutions to the comments be accepted (Rig/99-2033) and this vote shall be by letter ballot. There shall be a separate question for each resolution. Rocky Paulson seconded the motion. [The question is thus decided by letter ballot.] Twenty voting members expressed their support for this proposal.

#### 7.4 E1.6 – Powered Flying Systems – Status Report

Tom Young reported that the task group had met this afternoon and will meet on Sunday. He expects that there will be a finished draft in January. This too will be a standard for "rigging systems" rather than "flying systems."

#### 7.5 E1.7 - Recommended Practice for Flying Performers – Status Report

Ruling reported that the public review closes December 21, 1999.

#### 7.6 E1.8 - Speaker Enclosures Rigging Standard – Comment Resolution

Ruling reported that Andrew Martin had sent him the proposed resolutions by e-mail at 4:45 p.m. on Monday, November 15, which left too little time to distribute the document. Jay Glerum moved we vote to accept the offered resolutions (Rig/99-2035), and do so by letter ballot. Eddie Kramer seconded the motion. Thus, a letter ballot asking if the resolutions are acceptable will be sent to the working group.

#### 7.7 E1.10 - Building Structural Requirements – Comment Resolution – Jerry Gorrell

Jerry Gorrell asked if the group supported continued work on this standard in view of the opposition from the members of American Society of Theatre Consultants. Bill Sapsis moved that work on this standard be continued. Tim Hansen seconded the motion. By show of hands, the vote was 19 in favor, with one abstention. The working group is in favor of continuing work on this standard by a clear supermajority.

Rod Kaiser moved that we accept the suggested resolutions (Rig/99-2037) to the comments received during the last public review by letter ballot. Brad Dittmer seconded the motion.

Ruling was instructed to add the note that the working group has voted to continue work on the standard at the instances in the document where Gorrell had said he would ask the working group whether work on the standard should continue.

#### 7.8 E1.13 - Arena Scoreboards and Speakers Task Group – Status Report

Ruling reported that the working group had voted by a clear super majority to send the draft document to public review. However, there were still two outstanding negative comments that needed to be addressed.

One negative comment was Frederick L. Smith 's comment that there was overlap between E1.13 and E1.6. In response to this, Bill Sapsis moved that the working group consider the possible overlap between E1.6 and E1.13 when E1.6 is at a point where it is possible to compare the two documents side by side to assess and resolve any conflicts or overlaps. Rocky Paulson seconded this motion. By show of hands, twenty were in favor, and none were opposed, and there were no abstentions. Frederick L. Smith was among those voting in favor of this motion.

Tim Cox's concern that the Foreword for E1.13 says that it is to be offered as the basis for a British Standard was still outstanding. Since no one in the UK has expressed an interest to PLASA in making a standard like E1.13, this statement is presumptuous at best.

Jerry Gorrell moved that the following statement be the response of the working group to this problem: "We understand that at this point PLASA has no committed interest, and will remove the offending line from the document in its next revision." Reid Neslage seconded the motion. By show of hands, 20 were in favor (including Tim Cox), and none were opposed or abstained.

7.9 Update on British Rigging Standards

Tim Cox had no news to report, and said that the comments from the last public review are being addressed.

8 New Business

None.

9 Other Business

Fund raising: Mike Garl pointed out that the Technical Standards Program has a budget shortfall for next year. He urged working group members to lobby their companies for monetary contributions and suggested that the TSP brochure is a good tool for persuasion.

10 Schedule for Future Meetings

Garl announced that our next meeting will be January 21, 2000 at 7:00 p.m. in the DFW Airport Marriott Hotel, in Irving, Texas

The following meeting will be March 22, 2000, 7:00 p.m. in Denver.

The following meeting after that will be July 14, 2000, 7:00 p.m. in Irving, Texas again.

11 Changes of membership status resulting from lack of attendance.

None.

12 Adjournment

Jay Glerum moved that the meeting be adjourned. Ron Fogel seconded. The vote was unanimously in favor. Mike Garl declared the meeting adjourned at 8:59 p.m..

## Rigging Working Group Membership at the End of the Meeting

Name	Company	Parent Co./Org Represented	Voting Status	Interest Category
Steve Butner	Aerial Rigging & Leasing, Inc.	Aerial Rigging & Leasing, Inc.	P	P
Jim Fletcher	American Sling Company, Inc.	American Sling Company, Inc.	O	P
Brad Dittmer	Associated Theatrical Contractors	Associated Theatrical Contractors	P	U
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
Robert Mullett	Bose Corporation	Bose Corporation	O	P
Joachim Stoecker	CAMCO GmbH	CAMCO GmbH	O	P
Mark M. Witteveen	Chicago Flyhouse Inc.	Chicago Flyhouse Inc.	P	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	P	P
Ron Fogel	Creative Realities, Inc.	Creative Realities, Inc.	P	G
Jason Friedman	Creative Realities, Inc.	Creative Realities, Inc.	A	G
Harry Donovan	Donovan Rigging, Inc.	Donovan Rigging, Inc.	O	U
Wes Jenkins	Down Stage Right Industries	Down Stage Right Industries	O	P
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
Edwin S. Kramer	IATSE, Local 1	I.A.T.S.E. Local 1	P	U
Perry Langenstein	International Theatre Consultants	International Theatre Consultants	P	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
Mervyn Thomas	James Thomas Engineering Ltd.	James Thomas Engineering, Inc.	A	P
Jay O. Glerum	Jay O. Glerum & Associates, Inc.	Jay O. Glerum & Associates, Inc.	P	U
Andrew Smith	Jeamar Winches Inc.	Jeamar Winches Inc.	P	P
Chuck McClelland	Jeamar Winches Inc.	Jeamar Winches Inc.	A	P
John Kaes	John Kaes	John Kaes	O	U
John R. Burgess	John R. Burgess	John R. Burgess	O	U
George Stingel	Kleege Industries	Kleege Industries	P	U
Ian J. Warhurst	Lite Structures (GB) Ltd.	Lite Structures (GB) Ltd.	O	P
Louis Bradfield	Louis Bradfield	Louis Bradfield	I	U
Bill Webb	Martin Audio Ltd.	Martin Audio Ltd.	O	P
Charles E. Gorgen	Minnesota Crane Corp.	Minnesota Crane Corp.	O	P
Kent H. Jorgensen	MPS Grips, Local 80	MPS Grips, Local 80	O	G
Ted Hickey	OAP Audio Products	OAP Audio Products	O	P
Gary Justensen	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
Joseph Rapier	Parkhill, Smith & Cooper, Inc.	Parkhill, Smith & Cooper, Inc.	O	P
Patrick Stansfield	Patrick Stansfield Assoc., Inc.	Patrick Stansfield Assoc., Inc.	O	U
Roo Dunn	Pennsylvania Convention Center	Roo Dunn	I	U
Peter Letzelter-Smith	Peter Letzelter-Smith	Peter Letzelter-Smith	O	U
Billy Phillips	Phillips Rigging	Phillips Rigging	O	P
Tim Cox	PLASA	PLASA	P	G
Tony Douglas-Beveridge	PLASA Standards Office	PLASA	A	G
Michael Akrep	Polar Focus, Inc.	Polar Focus, Inc.	O	P
Teddy Van Bommel	PRG Lighting Division	PRG	P	U
George Sabbi	PRG Lighting Group	PRG	A	U
Scott Mohr	R&R Cases and Cabinets	R&R Cases and Cabinets	O	G
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
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
Luigi Sbalzarini	Selvolina SNC	Selvolina SNC	O	P
Michael Wood	Slick Systems International (UK)	Slick Systems International (UK)	O	P

Name	Company	Parent Co./Org Represented	Voting Status	Interest Category
Eckart Steffens	SOUNDLIGHT	VPLT	O	G
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.	A	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
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
Peter Hind	Total Fabrications Ltd.	Total Fabrications Ltd.	P	P
Doug Recher	Total Structures, Inc.	Total Fabrications Ltd.	A	P
Ian Coles	Total Structures, Inc.	Total Fabrications Ltd.	A	P
Peter Johns	Total Structures, Inc.	Total Fabrications Ltd.	A	P
Peter Happe	Walt Disney Engineering	Walt Disney Engineering	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