

Minutes
FLOORS WORKING GROUP

Friday, March 21, 2003
Minneapolis Hilton Hotel
Minneapolis, Minnesota

Chair: Tim Hansen, Oasis Stage Werks, principal, producer
Recording Secretary: William L. Maiman

1 Opening Remarks

Tim Hansen welcomed everyone to the meeting, noted that a quorum was present, and the meeting started at 13:15 hours.

2 Attendance and Membership

Members attending:

Bob Dagger American Harlequin Corp. Principal, Producer
Jerry Gorrell; Theatre Safety Programs; Principal; User
Tim Hansen; Oasis Stage Werks; Principal; Producer
Ted Paget, Jones & Phillips Associates, Inc. Observer, General
Keith Sklar; Actors' Equity Assoc.; Observer; General interest – via telephone
Richard D. Thompson; Thompson Associates; Principal; Gen. interest

Visitors:

Ron Bonner, PLASA (joined at this meeting)
Tracy Cosgrove, ROSCO Laboratories (joined at this meeting)
Pete Happe, WDI (Disney) (joined at this meeting)
Chris Purpura, Jones & Phillips (joined at this meeting)

2.1 Introduction of those present

A sign-in sheet was passed around the room. While it was circulating, those present introduced themselves. It was noted that some members are participating via audio conferencing and that others had sent their regrets. Also, Michael Sean Graves of Rosco Laboratories has resigned from the Floors Working Group.

2.2 Call for quorum

It was determined that a quorum was present.

3 Requirements for membership and processing of new membership requests

Tim Hansen reviewed the membership requirements. Membership is open to all who are affected by the work of the group, but every principal member of the working group is required to attend meetings. Any principal member and voting alternate that 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.

The following membership requests were read aloud.

Name	Company	Representing	Voting status	Int. Cat
Robert Barbagallo	Solotech	Solotech	O	DR
Ron Bonner	PLASA	PLASA	P	G
Tracy Cosgrove	Rosco Laboratories	Rosco Laboratories	P	MP
Pete Happe	Walt Disney Imagineering	Disney Company	P	U
Ted Paget	Jones & Philips Associates	Jones & Philips Associates	A	G
Christopher Purpura	Jones & Philips Associates	Jones & Philips Associates	P	G

Richard Thompson moved to accept all new applications, noting that the representative from Jones & Phillips Associates included a new Principal member and the original Principal changing status to an Alternate. Jerry Gorrell seconded the motion. The vote was unanimous in favor of all new members. Tim welcomed everyone to the Floors WG and reminded everyone of the need to attend meetings.

The full list of Floors Working Group voters during the period of the meeting was thus:

Name	Company	Representing	Voting Status	Int. Cat.
Ron Bonner	PLASA	PLASA	P	G
Tracy Cosgrove	Rosco Laboratories	Rosco Laboratories	P	P
Bob Dagger	American Harlequin	American Harelquin	P	P
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	P
Pete Happe	Walt Disney Imagineering	Walt Disney Company	P	U
Ted Paget	Jones & Philips Associates, Inc.	Jones & Philips Associates, Inc.	A	G
Chris Purpura	Jones & Philips Associates, Inc.	Jones & Phillips Associates, Inc.	P	G
Dick Thompson	Thompson Associates	Thompson Associates	P	G
			8 votes	3 P 3 G 2 U

4 Approval of minutes from the previous meeting

Richard Thompson moved that the minutes from the previous meeting be accepted. Bob Dagger seconded the motion. The motion was accepted unanimously on a voice vote.

5 ESTA Declarations

5.1 Anti-trust statement

Tim Hansen read aloud 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 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 action in restraint of trade have been taken and not properly annulled is requested to notify the TSC (chairs), or the ESTA President immediately.

"ESTA legal counsel has informed us that violations of the antitrust 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 anti-trust issues were brought to the attention of the chair.

5.2 Call for Patents:

Tim Hansen read aloud the call for patents:

"ESTA intends not to publish any 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 and copyright disclosures to implement its intent. ESTA does not conduct patent or copyright searches and does not warrant that its programs contain no protected intellectual property."

"In keeping with the open disclosures 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 or copyright to notify the working group of its existence."

No protected intellectual property issues were brought to the attention of the chair.

6 Approval of Agenda

Bob Dagger moved that the agenda be approved. Dick Thompson seconded the motion. It was accepted unanimously on a voice vote.

7 Old Business

7.1 Report on Terminology, alternative words, Akron Rubber Center and PARA

7.1.2 Bob Dagger informed the WG, that RAPRA had withdrawn the definitions on Floors and suggested that the WG use British Standards terms and definitions, mostly from section BS6100. The terms include, "bounce," "resilience," "shock absorption," "sprung floor," and "bounce semi-sprung floors." At the end of the report, Bob Dagger offered to assemble the information and specific terms and send them to Ron Bonner of PLASA. Ron offered to undertake the suggested research and obtain the definitions of the needed terms. Then the terms and definitions will be sent to the WG members. Tim reminded everyone that the goal of this effort is to get a list of accepted meanings for commonly used terms relating to dance floors

7.1.3 The Akron Rubber Center report was previously assigned to Michael Sean Graves. The Working Group decided not to continue to pursue obtaining information from this organization at this time.

7.1.4 Jerry Gorrell reported on the lack of progress in having substantive conversations with athletic industry contacts and shoe representatives. He will continue his efforts and will report on his progress at the July meeting.

7.1.5 Dick Thompson was to provide a report on Sports medicine issues. He also had difficulty in researching this issue and arranging for substantive discussions. Dick will continue to pursue the issue of injuries to Dancers, and is planning to attend the July meetings with a complete report. He is planning to contact the American College of Sports Medicine in Indianapolis and the American Sports Medicine Institute of Birmingham.

7.2 ANSI Standard on Floors – Refine and approve the scope, status reports – the English machine, arrangements with City of Phoenix Safety Department

7.2.1 Jerry Gorrell reported that the City of Phoenix does not own equipment for testing the technical criteria of floors, and uses consultants when this information is needed. Pete Happe will follow-up with officials within Disney and report to the WG at the July meeting.

During a discussion of testing methods, Dick Thompson offered to re-check with UL (though all agreed that UL is primarily interested in preventing fires and electrical type injuries) and Factory Mutual.

7.2.2 and 7.2.3 Tim Hansen offered to continue working on contacting Bill English and George Sotter directly. Tim Hansen explained who English and Sotter are, their work, the book by Sotter, and the presentation that Sotter gave to the Working Group at an earlier meeting. Tim noted that Bill English references the ASTM standard # F1679 as a definitive document. We will forward the scope statement to other members of the Working Group, for reference purposes.

There will be more discussions on these items at the next meeting.

7.3 Draft of Scope of Proposed Standard

Tim Hansen outlined a proposed scope and there was some discussion and additional suggestions. Tim offered to revise the scope and it will be forwarded to all for review and then eventual adoption. Amongst the items needed clarification are how to reference the relevant components of the DIN standard without referencing the entire standard, and how to specify testing devices that are appropriate for the entertainment industry.

The Revised proposed scope statement is as follows:

"This document shall define acceptable shock absorption testing methods for floors used by performers in live performance venues. It shall also provide recommendations for the proper criteria for such floors."

WG members will vote on adopting the scope statement and then work will begin on writing a standard.

7.4 Raked Stages, Definition and other Criteria

Keith Sklar reported that there has been no progress to report regarding the Actors Equity Study, "Investigation of Risk Factors for Work-Related Injuries Causing Missed Performances Among Broadway Actors and Dancers."

8 New Business

None.

9 Other Business

9.1

The Floors Working Group noted their appreciation of PLASA for having purchased and providing copies of the new edition of the Mark Foley / Dance UK book titled, "Dance Floors: A Handbook for the Design of Floors for Dance" Tim Hansen will be distributing the book to all members that have requested a copy. That includes Keith Sklar, Jerry Gorrell, Bob Dagger, Pete Happe, Tracey Cosgrove, and Dick Thompson.

The book is not distributed in the United States.

9.2

Dick Thompson mentioned that he was unable to speak with anyone associated with the Sleep Deprivation study.

10 Schedule for Future Meetings

The Technical Standards Program will hold the next series of meetings in Dallas over the weekend of July 25 – 27, 2003. LDI is being held in Orlando, Florida, during November 21 – 23, 2003.

11 Adjournment

Jerry Gorrell made a motion to adjourn and Dick Thompson seconded the motion. The motion was approved by acclamation. The meeting adjourned at 14:50 hours.

Floors Working Group Membership List at the End of the Meeting

Name	Company	Representing	Voting Status	Int.Cat .
Keith Sklar	Actors' Equity Association	Actors' Equity Association	O	G
Ken Greenwood	Actors' Equity Association	Actors' Equity Association	O	G
Bob Dagger	American Harlequin Corp.	American Harlequin Corp.	P	MP
Fred Allen	Fred Allen & Associates	Fred Allen & Associates	O	U
Edward Paget	Jones & Phillips Associates, Inc.	Jones & Philips Associates, Inc.	A	G
Christopher Purpura	Jones & Phillips Associates, Inc.	Jones & Philips Associates, Inc.	P	G
Nevin Kleege	Kleege Industries	Kleege Industries	O	G
Seth Popper	League of American Theatres and Producers, Inc.	League of American Theatres and Producers, Inc.	O	G
Gary Justesen	Oasis Stage Werks	Oasis Stage Werks	A	MP
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	MP
Ron Bonner	PLASA	PLASA	P	G
Tracy Cosgrove	Rosco Laboratories	Rosco Laboratories	P	MP
Robert Barbagallo	Solotech, Inc.	Solotech, Inc.	O	DR
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U
Dick Thompson	Thompson Assoc.	Thompson Assoc.	P	G
Mark Elliott	Walt Disney Co.	Walt Disney Co	O	U
Pete Happe	Walt Disney Imagineering	Walt Disney Co	P	U
Steven Wiese	Wenger Corp.	Wenger Corp.	P	MP

Voting Status

- O Observer, non-voting
- P Principal voting on behalf of an organization or company
- A Alternate voting member representing an organization or company
- I Individual voting member representing no entity other than him or herself

Interest Category

- G General Interest
- U User of floors or flooring products
- CP Custom-market producer
- DR Dealer or rental company interest category
- MP Mass-market producer interest category