

Minutes
Floors Working Group
Wednesday 20 March 2019
Hyatt Regency Louisville
Louisville, KY

Presiding chairman: Tim Hansen; Oasis Stage Werks

Recording secretaries: Richard Nix and Karl Ruling; ESTA

Members attending:

Justin Bennett; University of the Incarnate Word; O; U
William Gillett; Walt Disney Company; A; U
Jerry Gorrell; Theatre Safety Programs; P; U
Tim Hansen; Oasis Stage Werks; P; MP
Nick Holmberg; PSAV; P; DR
Cedric Jackson; Screen Actors Guild - American Federation of Television & Radio Artists; P; U
Fred Kosiewski; Walt Disney Company; P; U
Pete Menzel; Wenger Corp.; P; MP
Kasper Nyboe; Harlequin Corporation; A; MP
Karl G. Ruling; Unit 12 Productions; I; DE
Keith Sklar; Actors' Equity Association; P; G
Stephen Spendiff; Rosco Laboratories; P; MP

Visitor: Erin Grabe; ESTA

1 Opening Remarks

Tim Hansen called the meeting to order at 14:03, and welcomed everyone to Louisville.

2 Attendance and Membership

A sign-in sheet was circulated.

2.1 Introduction of those present in-room and on-line

The people in the room and on-line introduced themselves.

2.2 Call for quorum

The consensus body is 10. A quorum is thus four, and the minimum present to pass a vote needing a supermajority is six.

Tim Hansen announced that a majority of the working group was present.

2.3 Requirements for membership

The following statement was read aloud to the assembly by Tim Hansen:

Membership is open to all parties who are affected by the work of the group; membership in ESTA is not a requirement, but there is a \$100/person/year participation fee to help fund running the Technical Standards Program. Voting members are required to attend meetings. Any principal member and alternate that both miss three consecutive meetings or that miss three consecutive letter ballots will have their membership status changed to observer; either class of inaction shall result in a loss of voting status. This action will be taken at the beginning of the first meeting after such inaction and will be recorded in the minutes of that meeting.

2.4 Processing of new membership applications and status change requests

The following applications had been received:

Cedric Jackson, SAG-AFTRA, asked to be accepted as Principal in the user category.

Justin Bennett, University of the Incarnate Word, Observer, user.

Karl Ruling (Unit 12 Productions) moved to accept the applications. The motion was seconded. Ruling spoke in favor of accepting Cedric Jackson as a voting member, despite his not being present. Ruling said that he was confident that Jackson will participate as a voter. There was discussion. The motion was approved with a unanimous voice vote.

2.5 Changes to observer status due to lack of attendance

Pete Menzel of Wenger has missed the last two meetings and will have missed three consecutive meetings if this meeting is also missed, triggering a move to observer status.

Pete Menzel was present, so there was no change in his voting status.

2.6 Confirmation of consensus body

The full consensus body during this meeting was:

Delegate	Representing	Voting status	Int. cat.
Keith Sklar	Actors' Equity Association	P	G
Steven Serafin	Chubb Group of Insurance Companies	P	G
Steve Gough	Harlequin Corporation	P	MP
Bob Dagger	Harlequin Corporation	A	MP
Patricia Basileo	Harlequin Corporation	A	MP
Kasper Nyboe	Harlequin Corporation	A	MP
Tim Hansen	Oasis Stage Werks	P	MP
Gary Justesen	Oasis Stage Werks	A	MP
Nick Holmberg	PSAV	P	DR
Stephen Spendiff	Rosco Laboratories	P	MP
Cedric Jackson	SAG-AFTRA	P	U
Jerry Gorrell	Theatre Safety Programs	P	U
Karl G. Ruling	Unit 12 Productions	I	DE
Fred Kosiewski	Walt Disney Company	P	U
William Gillett	Walt Disney Company	A	U
Pete Menzel	Wenger Corp.	P	MP
	Total votes possible	11	
		0	CP
		1	DE
		1	DR
	Votes by interest categories	2	G
		4	MP
		3	U

3 Approval of the minutes from the last meeting

See FLmin01-2019_DRAFT.pdf. Okay? Or does it need amendment?

Jerry Gorrell moved to accept the minutes as written. The motion was seconded, and then approved with a voice vote.

4 ESTA declarations

4.1 Reading of the anti-trust statement

The following statement was read aloud to the assembly by Tim Hansen:

ESTA and its members take seriously their obligation to comply with all applicable antitrust laws. Therefore, during this meeting and during all ESTA events, all discussions will be limited to those subjects that are permitted by the antitrust laws. All members should refrain from any discussion or mention of competitively sensitive subjects such as the current or future prices charged for any member product or services, current or future marketing plans or strategies, and current or future costs, including employee salaries. There also must be no agreement on the suppliers or customers that members will do business with or the markets in which members will conduct business.

Violations of the antitrust laws can have serious consequences. If you have any questions or concerns about anything that is discussed at a ESTA meeting, please bring your concern to ESTA management. An easy to read pamphlet describing the antitrust laws is available from the ESTA staff.

Karl Ruling displayed one of the easy-to-read pamphlets.

No anti-trust concerns were reported.

4.2 Reading of the call for patents

The following statement was read aloud to the assembly by Tim Hansen:

ESTA intends not to publish any standard that contains protected intellectual property, unless that information 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 standards contain no protected intellectual property.

In keeping with the open disclosures policy, I ask if anyone present wishes to notify this working group of the existence of a patent, patent application, copyright, or other protected intellectual property that might protect material in a standard being developed by this working group. You need not be the holder of the patent or copyright to notify this working group of its existence.

Nothing was reported.

5 Approval of agenda

Are there additions or deletions that need to be made?

Erin Grabe asked for a NAMM item under "Other business"

Fred Koskiewski moved to approve the amended agenda. The motion was seconded and passed with a voice vote.

6 Old business

6.1 ANSI E1.26 - 2006 (R2017), shock absorption of floors (Revision, reaffirmation, or withdrawal by 23 February 2022)
No news or action.

6.2 ANSI E1.34 - 2009 (R2014) floor slipperiness (Revision, reaffirmation, or withdrawal by 29 May 2019)
Update on its approval progress.

It was approved by ANSI on March 8 and is now published, Karl Ruling reported. The next action due-date would be in 2024.

6.3 ANSI E1.46 - 2018, Recommended Practice for the Prevention Of Falls from Theatrical Stages and Raised Performance Platforms (Revise, reaffirm, or withdraw by 13 July 2023)

No news or action.

6.4 ANSI E1.57 – 2016, Recommendations to prevent performer and technician falls on or off movable parade floats, movable stages, and similar moving platforms (Revision, reaffirmation, or withdrawal by 6 May 2021)

No news or action.

6.5 ANSI E1.60 - 2018, Guidelines for the use of raked stages in live performance environments

(Revision, reaffirmation, or withdrawal by 20 September 2023)

Any action or news? At the last meeting there was discussion about the possibility of doing a combined presentation about E1.60 for the League, a presentation with Steve Serafin, Keith Sklar, and Karl Ruling.

Steve Serafin said that he hadn't reached anyone at the League yet. He has pursued this, and will continue to do so.

6.6 BSR E1.62, Minimum specifications for mass-produced portable platforms, ramps, stairs, and choral risers for live performance events

It's in public review through April 8.

Karl Ruling gave an update on comments expressing concerns about the point load requirements on stair treads. Pete Menzel asked if the reference to OSHA was appropriate to this document. He said that they (Wenger) make a stair unit that will meet a 500-lb point load, and have never been questioned. Steve Serafin read the scope of OSHA 1910.25 (etc), which is the source of the 1,000 lb point load requirement. It applies to permanent stairs and many portable or equipment-mounted stair units are expressly outside its scope. Richard Nix read parts of an OSHA standard interpretation on stair loads. There was discussion about how to define the concentrated load area. The consensus was that 500 pounds is sufficient, and that a 2" by 2" point-load area is acceptable. Karl Ruling agreed to craft some words to resolve this concern.

There was also discussion about the comments on COF, the source of the requirements, and how to resolve the comments by offering more or better guidance. Karl Ruling suggested returning to the words "slip resistance" and then add an annex note to explain more about the COF, urging manufacturers to determine some reasonable coefficient of friction and a way to test that that COF is met, but not requiring any particular method of COF specification, since methods of testing and the possible conditions are highly variable. Wenger does a drag sled test, similar to the test in ANSI E1.34, with steel pins, shoe leather, and sole rubber; expecting in-house testing to be done is reasonable.

Karl Ruling also spoke about the comment from Bill Gorlin regarding railing loads. It was suggested that if a manufacturer cannot meet the 50 pounds per lineal foot minimum for an 8' rail but can with a 4' rail, that the manufacturer recommend using two 4' rails on an 8' platform edge. The consensus was not to remove the distributed load requirement.

7 New business

At the last meeting there was discussion about producing a document to address trip-and-fall hazards. There were no motions offered and no action. Is this new business for this meeting?

Tim Hansen asked if this was a topic to address in an existing standard, in a new standard, or is there any interest in pursuing it at all?

Nick Holmberg said that he thought that trip and fall advice would be useful, but that it should not be buried in the don't fall off the stage document. Steve Serafin mentioned that the insurance companies often classify falls by same-level, versus different level – e.g. falling from a higher level to a lower level—so these same-level trip and fall accidents are perceived differently by insurance companies from falls where someone fell off something.

Nick Holmberg moved that someone fill out a project request form to initiate the project. Steve Serafin seconded the motion. The motion carried by unanimous voice vote. Nick Holmberg will fill out the form.

8 Other business

8.1 Above & Beyond Awards

The nomination site is open year round at http://tsp.esta.org/tsp/news/award_nomination.html.

Steve Serafin and Keith Sklar were presented with Above and Beyond Awards by Tim Hansen at the January meeting. Keith Sklar was present then. Steve Serafin will receive his certificate at this meeting, if he is present.

Steve Serafin was in attendance, and was presented the award by Tim Hansen.

8.2 NAMM

Erin Grabe brought two requests to the group.

1. The first request is to announce a session call for NAMM, and to ask for interested parties to consider submitting technical session ideas. In the past, the sessions have been developed by invitation, however this year it is an open announcement.
2. The second request was to encourage all members to talk to their clients about NAMM and the potential opportunities available to attendees from our industry.

9 Schedule for future meetings

The full meeting schedule is at <http://www.esta.org/ESTA/meetings.php>—cocktail parties, too.

It was announced that the next Floors Working Group meeting is scheduled for Thursday 18 July 18 from 19:00 to 23:00 at the Marriott Solana in Westlake, Texas.

10 Adjournment

Having reached the end of the agenda, Tim Hansen, declared the meeting adjourned at 15:21..

Members as of 15 April 2019

Delegate	Representing	Voting status	Int. cat.
Robert Barbagallo	Solotech Inc.	O	DR
K.J. Bartosh	K.J. Bartosh	O	U
Patricia Basileo	Harlequin Corporation	A	MP
Justin Bennett	University of the Incarnate Word	O	U
Bob Dagger	Harlequin Corporation	A	MP
Mark Elliott	Walt Disney Company	O	U
Mike Garl	Mike Garl Consulting LLC	exf	
William Gillett	Walt Disney Company	A	U
Jerry Gorrell	Theatre Safety Programs	P	U
Steve Gough	Harlequin Corporation	P	MP
Erin Grabe	ESTA	exf	G
Tim Hansen	Oasis Stage Werks	P	MP
Pete Happe	Pete Happe	O	G
Robert Haycock	UC Berkeley	O	U
Nick Holmberg	PSAV	P	DR
Cedric Jackson	Screen Actors Guild - American Federation of Television & Radio Artists	P	U
Gary Justesen	Oasis Stage Werks	A	MP
Nevin Kleege	Kleege Industries	O	G
Fred Kosiewski	Walt Disney Company	P	U
Dave LaPage	Productions Unlimited, Inc.	O	DR
Pete Menzel	Wenger Corp.	P	MP
Richard J. Nix	ESTA	exf	G
Kasper Nyboe	Harlequin Corporation	A	MP
Karl G. Ruling	Unit 12 Productions	I	DE

Members as of 15 April 2019

Delegate	Representing	Voting status	Int. cat.
Karl G. Ruling	ESTA	exf	G
Robert R. Scales	Robert R. Scales	O	U
Keith Sklar	Actors' Equity Association	P	G
Stephen Spendiff	Rosco Laboratories	P	MP
Jeong Sik Yoo	Ghost LX	O	DE

Voting status key: P = Principal voter, A = Alternate voter, I = Individual voter, O = Observer member, exf = Ex Officio member (staff)

Interest Category Key: CP = Custom-market producer, DE = Designer, DR = Dealer/rental company, G = General interest, MP = Mass-market producer, U = User

