

**Minutes
Floors Working Group
via WebEx
Monday, July 26, 2021**

Working group meeting leader: Tim Hansen; Oasis Stage Werks

Recording secretaries: Richard Nix & Karl Ruling; ESTA

Members attending:

Bruce Darden; InterAmerica Stage, Inc.; P; MP
William Gillett; Walt Disney Company; P; U
Steve Gough; Harlequin Corporation; P; MP
Tim Hansen; Oasis Stage Werks; P; MP
Karl G. Ruling; Unit 12 Productions; I; DE
Steven Serafin; The Hartford Group; P; G
Mike Skinner; Alliance of Motion Picture and Television Producers; P; U
Keith Sklar; Actors' Equity Association; P; G
Stephen Spendiff; Rosco Laboratories; P; MP

Visitor: Eddie Kramer; IATSE Local 1

1 Opening Remarks

Tim Hansen called the meeting to order at 15:03.

2 ESTA declarations

2.1 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.

A copy of the pamphlet was displayed by Karl Ruling. No anti-trust problems were raised.

2.2 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 revealed.

3 Attendance and Membership

3.1 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.

3.2 Introduction of attendees

Bruce Darden was new and was calling in while on vacation from Sea World.

3.3 Determination of a quorum

Richard Nix verified that we had more than 50% of the membership present, certainly a quorum and enough to pass a motion requiring a supermajority.

3.4 Processing of new membership and status change requests

Bruce Darden has applied for voting membership.

Karl Ruling of Unit 12 Productions moved that his application be accepted. The motion was seconded. Unanimous.

3.5 Changes to observer status due to lack of participation

Stephen Spendiff (Rosco Laboratories) has missed the last two meetings and will be moved to observer status if this meeting is also missed.

Spendiff was present. No status change.

3.6 Consensus body during this meeting

Delegate	Representing	Voting status	Int. cat.
Keith Sklar	Actors' Equity Association	P	G
Michael Skinner	AMPTP	P	U
Steve Gough	Harlequin Corporation	P	MP
Kasper Nyboe	Harlequin Corporation	A	MP
Bruce Darden	InterAmerica Stage, Inc.	P	MP
Tim Hansen	Oasis Stage Werks	P	MP
Stephen Spendiff	Rosco Laboratories	P	MP
Steven Serafin	The Hartford Group	P	G
Jerry Gorrell	Theatre Safety Programs	P	U
Karl G. Ruling	Unit 12 Productions	I	DE
William Gillett	Walt Disney Company	P	U
	Total votes possible	10	

	Voting status	Int. cat.
Votes by interest categories	0	CP
	1	DE
	0	DR
	2	G
	4	MP
	3	U

4 Approval of the minutes from the last meeting

See *FLmin04-2021_DRAFT.pdf*

William Gillett moved to approve the draft minutes as written. The motion was seconded. The motion was approved unanimously.

5 Approval of agenda

Steve Serafin moved to approve the agenda. The motion was seconded. The motion was approved unanimously.

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 now.

6.2 ANSI E1.34 - 2009 (R2019) floor slipperiness

Revision, reaffirmation, or withdrawal by 27 January 2024

No news or action now.

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 now.

6.4 ANSI E1.57 – 2016 (R2021), Recommendations to prevent performer and technician falls on or off movable parade floats, movable stages, and similar moving platforms (reaffirmation of 2016 edition)

Revise, reaffirm, or withdraw by 5 May 2026

No news or action now.

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

No news or action now.

6.6 ANSI E1.62 - 2021, Minimum specifications for mass-produced portable platforms, ramps, stairs, and choral risers for live performance events

Revise, reaffirm, or withdraw by 13 July 2026

No news or action now.

7 New business

Project request for tension grids, TSP_ProjectRequest_Wire Tension Grid.pdf.

Bruce Darden was asked to explain the project and its need. He said there is confusion in the world about what a tension wire grid is, its use, and applications. It's transparent for lighting, sound, and atmospheric effects. It also provides a very light-weight access area. They have become a substitute for fall arrest equipment in touring

venues. What we can offer in a consensus document are descriptions of typical applications, appropriate loading, and acceptable flex.

Darden was asked if these points are already covered in marketing materials. Darden said that marketing pieces do not describe pounds per square foot loading, nor do they say when elevation changes require edge protection or hand rails. We also need to define the open mesh, which can have large spaces or small. We also need to provide guidance on attaching loads—Don't do it.

Bruce Darden moved that we accept the project. The motion was seconded. The motion was approved unanimously.

Tim Hansen appointed Bruce Darden as the task group leader. Jerry Gorrell volunteered to help and also was appointed to the task group.

8 Other business & announcements

8.1 Above & Beyond Award

Tim Hansen reminded people of the Above & Beyond Award.

[The nomination form is at https://tsp.esta.org/tsp/news/award_nomination.html. Past recipients are listed at https://tsp.esta.org/tsp/news/award_recipients.html.]

8.2 Other other business & announcements

None.

9 Schedule for future meetings

It was noted that the Autumn meetings are not scheduled yet but will be posted at

<http://www.esta.org/ESTA/meetings.php>.

[Subsequent to this meeting, the schedule was posted. Floors shall meet on the afternoon of Tuesday 26 September.]

10 Adjournment

Bruce Darden moved that the meeting adjourn. The motion was seconded. There being no further business to conduct, Tim Hansen declared the meeting adjourned at 15:32.

Members as of 25 August 2021

Delegate	Representing	Voting status	Int. cat.
Robert Barbagallo	Solotech Inc.	O	DR
Patricia Basileo	Harlequin Corporation	O	MP
Justin Bennett	University of the Incarnate Word	O	U
Bob Dagger	Harlequin Corporation	O	MP
Bruce Darden	InterAmerica Stage, Inc.	P	MP
Mike Garl	Mike Garl Consulting LLC	exf	
William Gillett	Walt Disney Company	P	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
Robert Haycock	UC Berkeley	O	U
Pete Menzel	Wenger Corp.	O	MP
Richard J. Nix	ESTA	exf	G
Kasper Nyboe	Harlequin Corporation	A	MP
Karl G. Ruling	Unit 12 Productions	I	DE
Karl G. Ruling	ESTA	exf	G
Steven Serafin	The Hartford Group	P	G
Mike Skinner	Alliance of Motion Picture and Television Producers	P	U
Keith Sklar	Actors' Equity Association	P	G
Stephen Spendiff	Rosco Laboratories	P	MP
Jeong Sik Yoo	Ghost LX	O	DE

Key to codes:

P Principal voter

CP Custom-market producer

Members as of 25 August 2021

A	Alternate voter	DE	Designer
I	Individual voter	DR	Dealer/Rental company
O	Observer, non-voter	G	General interest
exf	ex officio, staff	MP	Mass-market producer
		U	User