

Minutes
Floors Working Group
Wednesday, March 2, 2022
Hyatt Regency Baltimore Inner Harbor
and via WebEx

Chairperson:

Tim Hansen; Oasis Stage Werks; P; MP

Recording secretaries:

Karl Ruling and Richard Nix; ESTA

Members attending:

Michael Skinner; AMPTP; P; U
Steve Gough; Harlequin Corporation; P; MP
Bruce Darden; InterAmerica Stage, Inc.; P; MP
Stephen Spendiff; Rosco Laboratories; P; MP
Tim Hansen; Oasis Stage Werks; P; MP
Steven Serafin; The Hartford Group; P; G
Jerry Gorrell; Theatre Safety Programs; P; U
Karl G. Ruling; Unit 12 Productions; P; DE
William Gillett; Walt Disney Company; P; U

Visitors:

Eddie Kramer

1 Opening remarks

Tim Hansen called the meeting to order at 14:06, thanking everyone for their attendance today. There were four present in the room, and seven present online.

2 ESTA declarations

2.1 Reading of the anti-trust statement

Tim Hansen read the following statement aloud to the assembly:

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 held up a copy of the pamphlet for all to see.

2.2 Reading of the call for patents

Tim Hansen read the following statement aloud to the assembly:

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

Tim Hansen read the following statement aloud to the assembly:

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.

Richard Nix said that renewal emails had just gone out. Three people in the room said they had received theirs.

3.2 Introduction of attendees

3.3 Determination of a quorum

3.4 Processing of new membership and status change requests

None as of 11 February.

3.5 Changes to observer status due to lack of participation

None.

3.6 Consensus body

| 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 | |
| Votes by interest category | Custom market producer (CP): | | 0 |
| | Designer (DE): | | 1 |
| | Dealer or rental company (DR): | | 0 |
| | General interest (G): | | 2 |

| | | |
|--|----------------------------|---|
| | Mass-market producer (MP): | 4 |
| | User (U): | 3 |

4 Approval of the minutes from the last meeting

See *FLmin01-2022_DRAFT.pdf*

Steve Spendiff moved to approve the minutes. The motion was seconded, and carried without objection or abstention.

5 Approval of agenda

Bruce Darden moved to approve the agenda. The motion was seconded and carried without objection or abstention.

6 Old business

6.1 ANSI E1.26 - 2006 (R2017), shock absorption of floors

It's in public review for reaffirmation until March 22. No comments have been received as of 11 February. A letter ballot for the working group will follow.

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

Action needed by 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

Action needed 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)

Action needed by 5 May 2026. Any news or action now?

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

Action needed 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

Action needed by 19 January 2026. No news or action now.

6.7 BSR E1.76, Wire rope tension grids

First draft progress update. How's it going?

Bruce Darden reported, In January he had provided everyone an early draft, and received comments only from Richard Nix. He then spent the next month rewriting, then sent it to Steve Walker for additional review and comment. There were a number of items that were brought back to light as a result of this review. He gave a few examples of issues that were discussed between Steve and him. He also added a section on use. He has submitted it to the working group, which is ready for a public review, he thinks. He moved to send it out to public review. The motion was seconded. There was discussion. Tim Hansen asked about the access requirements. Does this mean stairs or something else. Bruce said there are circumstances where wire grid panels are installed in a stepping layout, so does this mean they are a stair, or not? Bruce said he felt that it needed to be addressed, rather than ignored.

Tim then asked about 6.4.6.3, regarding hoisting beams. Is the hoist beam considered a tension grid accessory? Karl Ruling said that it is advice, but not part of the grid. Bruce agreed that this could be moved to an annex note. There was more discussion about the annex note content.

Steve Spendiff asked if stair risers should be open, or should they be closed. Bruce said that would be a mandatory requirement. It was not address, so Bruce revised 7.4 to indicate that the riser must have a toe board, and that the remaining height cannot exceed 4 inches, or must be covered with a mesh or solid panel so that objects cannot fall through.

Tim asked about 6.3.3.3, document retention. Bruce added words to indicate that the documentation is preserved by the manufacturer.

Tim then asked about 9.3, signage. What's on the sign? Bruce said he thought this was a circular reference back to 9.2 e or f. He suggested adding another section 9.4: *The sign shall state load capacities and limitations of use.*

Since there was clear discussion about the substantive changes requested, Bruce amended his motion to approve the revised draft. The motion was seconded, and carried without objection or abstention. The motion now forwards to the TSC.

7 New business

None.

8 Other business & announcements

8.1 Above & Beyond Award

Attendees were reminded that 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

9 Schedule for future meetings

Attendees were reminded that *The full meeting schedule is normally posted at <http://www.esta.org/ESTA/meetings.php>*, but we have no future meetings scheduled right now.

TSP meetings will be planned around the NAMM Show, which is scheduled for June 3 through 5 at the Anaheim Convention Center. The meetings will be face-to-face and on-line via WebEx.

There will be a Fall meeting in September.

10 Adjournment

The agenda being completed, there being no additional business, Tim Hansen declared the meeting adjourned at 14:48.

Members as 31 March 2022

| 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 |
| 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
A Alternate voter

CP Custom-market producer
DE Designer

Members as 31 March 2022

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