

Minutes
Photometrics Working Group
via WebEx
Thursday, 22 September 2022

Chair: Jerry Gorrell; Theatre Safety Programs

Recording secretaries: Richard Nix and Karl Ruling; ESTA

Members attending:

John David (Javid) Butler; HDR Consulting LLC; P; DE
Jerry Gorrell; Theatre Safety Programs; P; U
Hans Lau; I.A.T.S.E. Local 728; P; U
Michael Lay; Candela Controls, Inc; P; DR
Wendy Luedtke; Electronic Theatre Controls, Inc.; P; MP
Karl G. Ruling; Unit 12 Productions; I; DE
Steven J. Rust; Theatre Projects Consultants, Inc.; P; DE
Mike Wood; Mike Wood Consulting LLC; P; G

1 Opening Remarks

Jerry Gorrell called the meeting to order at 17:04 EDT. He thanked people for attending.

2 ESTA declarations

2.1 Call for patents

The following statement was read aloud to the working group by Jerry Gorrell:

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 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.

2.2 Reading of the anti-trust statement

The following statement was read aloud to the working group by Jerry Gorrell:

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 or will not 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 a copy of the pamphlet. No restraint of trade concerns were raised.

3 Attendance and membership

3.1 Requirements for membership

The following statement was read aloud to the working group by Jerry Gorrell:

Membership is open to all who are affected by the work of the group. Voters who would be in the designer or dealer/rental company interest category in particular are encouraged to become members. There is an annual \$100 participation fee for all members. Voting members are required to attend meetings and to vote on letter

ballots. Voting members and their alternates may not miss three consecutive meetings or three consecutive letter ballots without a loss of voting status.

3.2 Introductions of attendees

Jerry Gorrell read off the names of the people attending. They said hello.

3.3 Determination of quorum

As of 5 September 2022, there are 13 voting members. A quorum is five, a supermajority is seven.

Karl Ruling noted that eight voters were present, more than enough to pass a motion needing a supermajority

3.4 Processing of new membership and status change requests

As of 5 September 2022, there are no new applications on file, but Justin Bennett had asked to be counted as an observer, not as a principal voting member. He has been removed from the consensus body.

3.5 Changes to observer status due to lack of participation

The following have missed the last two meetings and will be moved to observer if not present for this meeting:

Matthew Ardine and Hans Lau; I.A.T.S.E. Local 728; User

Hans Lau was present, so there was no status change.

Jason Osterman; SGM Lighting, Inc.; MP

Osterman was not present. He was moved to observer status.

Mitch Hefter; Signify; MP

Hefter was not present. He was moved to observer status.

It was noted that the following people have not yet voted on the three letter ballots from the last meeting. One ballot is closed. The other two are extended to run through October 9. If they have not voted by the end of the ballot periods, they will become observers:

Jason Osterman; SGM Lighting, Inc; MP (Already moved to observer because of absence, but still part of the ballot voting body for the motions.)

Huang Qiancheng; Guangzhou Hayong Electronic Co., Ltd.; CP

3.6 The consensus body during this meeting was:

Delegate	Representing	Voting status	Int. cat.
Michael Lay	Candela Controls, Inc	P	DR
Mark Primrose	Chauvet & Sons Inc.	P	MP
Jim Bogdanowicz	Chauvet & Sons Inc.	A	MP
Wendy Luedtke	Electronic Theatre Controls, Inc.	P	MP
Huang Qiancheng	Guangzhou Haoyang Electronic Co., Ltd.	P	CP
Hans Lau	I.A.T.S.E. Local 728	P	U
Matthew Ardine	I.A.T.S.E. Local 728	A	U
Mike Wood	Mike Wood Consulting LLC	P	G
John David (Javid) Butler	HDR Consulting LLC	P	DE
Tucker Downs	ROE Visual USA	P	MP
Steve Rust	Theatre Projects Consultants, Inc.	P	DE
Jerry Gorrell	Theatre Safety Programs	P	U
Karl G. Ruling	Unit 12 Productions	I	DE
	Total votes possible	11	
	Votes by interest category	1	CP
		3	MP

		3	DE
		1	DR
		1	G
		2	U

P = Principal voter; A = Alternate voter; I = Individual voter

CP = Custom-market Producer; MP = Mass-market Producer; DE = DEsigner; DR = Dealer/Rental company;
G = General interest; U = User

4 Approval of the minutes from the last meeting

See PHmin06-2022_DRAFT.pdf

Javid Butler moved to accept the minutes as written. The motion was seconded and then approved with no objections or abstentions.

5 Approval of agenda

Wendy Luedtke moved to approve the agenda. The motion was seconded and then approved with no objections or abstentions.

6 Old Business

6.1 BSR E1.75, Guidelines for the measurement and reporting of luminaire spectral power/absorbance for the entertainment industry

Progress report from Tucker Downs.

Downs was not present. Wendy Luedtke said that she and he had talked. Her advice was that we should point to other standards that cover spectral power distribution, not write our own. She feels the subject is adequately covered by existing IES standards.

Javid Butler says he has reviewing the CPWG's UDR draft standard, which would use this SPD data.

6.2 ANSI E1.9 – 2007 (R2017), Reporting Photometric Performance Data for Luminaires Used in Entertainment Lighting

Reaffirmation progress report. See Summary_E1-9_PublicReview-NoComments.pdf. No comments.

Karl Ruling reported that the initial reaffirmation letter ballot netted one “No with reasons,” and nine “Yes.” The ballot extension through October 9 has gained one more “Yes” vote, and one “Yes” was changed to “Yes with comments.” The comments are arguments against the No reasons.

6.3 ANSI E1.25 – 2012 (R2017), Recommended Basic Conditions For Measuring The Photometric Output Of Stage And Studio Luminaires By Measuring Illumination Levels Produced On A Planar Surface

Reaffirmation progress report. See E1-25_PublicReviewSummary-NoComments.pdf. No comments.

Karl Ruling reported that the initial reaffirmation letter ballot netted one “No with reasons,” and nine “Yes.” The ballot extension through October 9 has gained one more “Yes” vote, and one “Yes” was changed to “Yes with comments.” The comments are arguments against the No reasons.

6.4 ANSI E1.35 – 2013 (R2018), Lens Quality Measurements for Pattern Projecting Luminaires Intended for Entertainment Use

Reaffirmation progress report. See E1-35_PubReview_Summry-NoComments.pdf. No comments.

Ruling reported that the initial letter ballot netted ten “Yes” votes. The motion has been forwarded to the TSC, which is voting by letter ballot. At the time of this meeting, one ballot is not returned but the rest are all “Yes.”

6.5 ANSI E1.36 – 2007 (R2022), Model Procedure for Permitting the Use of Tungsten-Halogen Incandescent Lamps and Stage and Studio Luminaires in Vendor Exhibit Booths in Convention and Trade Show Exhibition Halls

Reaffirmation, revision, or withdrawal by 2 May 2027.

No news or action now.

6.6 BSR E1.41, Recommendations for Measuring and Reporting Photometric Performance Data for Entertainment Luminaires Utilizing Solid State Light Sources

See E1-41_2021-5005r3 - revised June 3 2022.pdf and Summry_BSR-E1-41_Dec2021PubRevwCmmnts&DraftResolutions.pdf. Resolutions must be approved by a supermajority of the working group (more than 50% of the voting body of record). If substantive changes have been made to the draft standard, it will need to be offered for another public review. That vote takes a simple majority voting in favor.

Javid Butler moved that the comment resolutions be accepted. The motion was seconded. The motion was approved without objection or abstention. This was a supermajority voting in favor.

Javid Butler moved that the revised draft document be offered for public review. The motion was seconded. The motion was approved without objection or abstention. This was a supermajority voting in favor, when a simple majority would do.

6.7 ANSI E1.48 – 2014 (R2019), A Recommended Luminous Efficiency Function for Stage and Studio Luminaire Photometry

Revision, reaffirmation, or withdrawal by 08 January 2024.

No news or action now.

6.8 ANSI E1.54 – 2021, ESTA Color Standard and informational doc

Revision, reaffirmation, or withdrawal by 07 January 2026.

No news or action now.

6.9 ANSI E1.55 – 2016 (R2021), Standard for Theatrical Makeup Mirror Lighting

Revision, reaffirmation, or withdrawal by 1 November 2026.

No news or action now.

6.10 ANSI E1.69 – 2022, Reporting the Low-End Dimming Performance of Entertainment Luminaires Using LED Sources

Revision, reaffirmation, or withdrawal by 25 April 2027.

No news or action now.

7 New business

None.

8 Other business and announcements

8.1 Above & Beyond Awards

People were reminded that the Above & Beyond nomination site is open year-round at http://tsp.esta.org/tsp/news/award_nomination.html.

8.2 Other announcements

None.

9 Schedule for future meetings

The full meeting schedule may be found at <http://www.esta.org/ESTA/meetings.php> when any are scheduled. The January 2023 meetings will be in the week of the 16th and will be via WebEx. The following meetings will be at NAMM in April.

10 Adjournment

Having completed the agenda and there being no further business, Jerry Gorrell declared the meeting adjourned at 17:29.

Working group members and contact information as of 6 October 2022

Delegate	Representing	Voting status	Int. cat.
Matthew Ardine	I.A.T.S.E. Local 728	A	U
Robert Barbagallo	Solotech Inc.	O	DR
Justin Bennett	University of the Incarnate Word	O	U
Jim Bogdanowicz	CHAUVET & Sons Inc.	A	MP
Pete Borchetta	Altman Lighting	O	MP
John David (Javid) Butler	HDR Consulting LLC	P	DE
Tucker Downs	ROE Visual USA	P	MP
Bill Ellis	Candela Controls, Inc.	O	U
Mike Garl	Mike Garl Consulting LLC	exf	
Robert Goddard	Goddard Design Co.	O	CP
Nicolas Goerg	Rosco Laboratories	O	CP
Jerry Gorrell	Theatre Safety Programs	P	U
Erin Grabe	ESTA	exf	G
Tim Hansen	Oasis Stage Werks	O	U
Robert Haycock	Robert Haycock	O	U
Mitch Hefter	Signify	O	MP
Ed Hyatt	Boston Illumination Group	O	CP
Frank Kjær Jensen	Harman International Industries	O	MP
Timothy S. Kang	ASC, Motion Imaging Technical Council	O	CP
Hans Lau	I.A.T.S.E. Local 728	P	U
Michael Lay	Candela Controls, Inc	P	DR
Wendy Luedtke	Electronic Theatre Controls, Inc.	P	MP
Richard J. Nix	ESTA	exf	G
Jason Osterman	SGM Lighting, Inc	O	MP

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Delegate	Representing	Voting status	Int. cat.
Mark Primrose	CHAUVET & Sons Inc.	P	MP
Huang Qiancheng	Guangzhou Haoyang Electronic Co., Ltd.	P	CP
Karl G. Ruling	Unit 12 Productions	I	DE
Karl G. Ruling	ESTA	exf	G
Steven J. Rust	Theatre Projects Consultants, Inc.	P	DE
Ford Sellers	Chauvet Lighting	O	MP
Keith Sklar	Actors' Equity Association	O	G
Robert Timmerman	Signify	O	MP
Mike Wood	Mike Wood Consulting LLC	P	G

P = Principal voter; A = Alternate voter; I = Individual voter; O = Observer; exf = ex officio, not a voter
 CP = Custom-market Producer; MP = Mass-market Producer; DE = DEsigner; DR = Dealer/Rental company;
 G = General interest; U = User