

Minutes
Photometrics Working Group
Friday 21 July 2023 16:00 Central Time
Marriott D/FW Westlake – Westlake, TX.

Chairperson:

Jerry Gorrell; Theatre Safety Programs; P; U

Recording secretary:

Richard Nix (ESTA)

Attendees:

John David (Javid) Butler; HDR Consulting LLC; P; DE
Robert Haycock; Robert Haycock; I; U
Michael Lay; Candela Controls, Inc; P; DR
Wendy Luedtke; Electronic Theatre Controls, Inc.; P; MP
Nick Saiki; ADJ Products, LLC; P; MP
Mike Wood; Mike Wood Consulting LLC; P; G

1 Opening Remarks

Jerry Gorrell called the meeting to order at 16:12. He thanked everyone for attending.

2 ESTA declarations

2.1 Call for patents

Jerry Gorrell read the following statement aloud to the working group.

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

Jerry Gorrell read the following statement aloud to the working group.

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.

Richard Nix held up the pamphlet.

3 Attendance and membership

3.1 Requirements for membership

Jerry Gorrell read the following statement aloud to the working group.

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

3.3 Determination of quorum

As of today's meeting, there are 11 voting members. A quorum is four. Six are needed for a supermajority vote.

A quorum was present.

3.4 Processing of new membership and status change requests

As of 26 June, the following applications have been received:

*Chrystal Zhang; Guangzhou Haoyang Electronic Co., Ltd.; O; CP (new application)
Robert Graham; Wenger, Corp.; P; DR (new application)
Nick Saiki; Elation Ltg, Inc; P; MP (new application)
Robert Haycock; Robert Haycock; I; U*

Javid Butler moved to approve the applications as submitted, with Robert Graham's application approved as Observer since he was not present. The motion was seconded, and carried without objection or abstentions.

3.5 Changes to observer status due to lack of participation

The following voting members have missed two consecutive meetings, and will have their status changed to Observer if at least one of them is not present for today's meeting:

*Chauvet & Sons, Inc.; Mark Primrose
Chauvet & Sons, Inc.; Jim Bogdanowics*

Neither were present.

3.6 Draft consensus body

This is the consensus body before any of today's meeting actions:

Delegate	Representing	Voting status	Int. cat.
Michael Lay	Candela Controls, Inc	P	DR
Wendy Luedtke	Electronic Theatre Controls, Inc.	P	MP
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
Martin Palmer	Signify	P	MP
Mitch Hefter	Signify	A	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	10	
	Votes by interest category	0	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 *PHmin01-2023_DRAFT.pdf*

Javid Butler moved to approve the minutes. The motion was seconded and carried without objection. Mike Lay Abstained.

5 Approval of agenda

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

6 Old Business

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

Any news or action?

No report.

6.2 ANSI E1.9 – 2007 (R2023), Reporting Photometric Performance Data for Luminaires Used in Entertainment Lighting

Reaffirmation, revision, or withdrawal by 09 March 2028.

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, revision, or withdrawal by 03 March 2028.

6.4 ANSI E1.35 – 2013 (R2022), Lens Quality Measurements for Pattern Projecting Luminaires Intended for Entertainment Use

Reaffirmation, revision, or withdrawal by 20 October 2027.

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 02 May 2027.

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

Reaffirmation, revision, or withdrawal by 09 March 2028.

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.

The working group must take action at this, or the next, meeting.

Mike Wood said they are waiting for CIE to change what they were doing. It may be pointless for us to continue maintenance. Javid Butler asked if we should consider withdrawing the standard. Mike Wood said yes, possibly. The consensus of members present agreed.

Javid Butler moved to withdraw ANSI E1.48. The motion was seconded. A BSR8 will be filed with ANSI, with a public review commencing soon thereafter, with the letter ballot following the close of public review.

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

Revision, reaffirmation, or withdrawal by 07 January 2026.

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

Revision, reaffirmation, or withdrawal by 1 November 2026.

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.

7 New business

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.

Jerry Gorrell noted this, saying that the deadline for submission is 01 November.

8.2 Other announcements

9 Schedule for future meetings

The full meeting schedule may be found at <http://www.esta.org/ESTA/meetings.php>. The Fall meetings will return to Westlake, TX during the week of 02 October 2023. The Winter meetings will be held in conjunction with the NAMM Show 2024, in Anaheim, CA, during the week of 22 January 2024.

10 Adjournment

The agenda business being complete, there being no further business brought forth, Jerry Gorrell declared the meeting adjourned at 16:33.

Working group members and contact information as of 21 July 2023

Name	Representing	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.	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
Robert Goddard	Goddard Design Co.	O	CP
Nicolas Goerg	Rosco Laboratories	O	CP
Jerry Gorrell	Theatre Safety Programs	P	U
Robert Graham	Wenger Corporation	O	DR
Tim Hansen	Oasis Stage Werks	O	U
Robert Haycock	Robert Haycock	I	U
Mitch Hefter	Signify	A	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
Jason Osterman	SGM Lighting, Inc	O	MP
Martin Palmer	Signify	P	MP
Mark Primrose	CHAUVET & Sons Inc.	O	MP
Huang Qiancheng	Guangzhou Haoyang Electronic Co., Ltd.	O	CP
Karl G. Ruling	Unit 12 Productions	I	DE
Steven J. Rust	Theatre Projects Consultants, Inc.	P	DE
Nick Saiki	ADJ Products, LLC	P	MP
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
Lijuan Zhang	Guangzhou Haoyang Electronic Co., Ltd.	O	CP