

Minutes
Photometrics Working Group
06 October 2023
Marriott D/FW Westlake – Westlake, TX.

Chairperson:

Jerry Gorrell; Theatre Safety Programs; P; U

Recording secretaries:

Karl Ruling and Richard Nix (ESTA)

Attendees:

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
Martin Palmer; Signify; P; MP
Nick Saiki; ADJ Products, LLC; P; MP

Visitors:

Alan Rowe; I.A.T.S.E. Local 728, ESTA TSC Co-chairperson
Irek Skoczowski; Elation

1 Opening Remarks

Jerry Gorrell called the meeting to order at 10:05 CDT, welcoming attendees and thanking them for taking time to attend today.

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 an 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. New applications shall not be considered until the participation fee has been paid. 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 10 voting members. A quorum is four. Six are needed for a supermajority vote.

Richard Nix announced that the quorum and supermajority requirements had been met.

3.4 Processing of new membership and status change requests

There were none.

3.5 Changes to observer status due to lack of participation

3.5.1 Changes due to to attendance

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:

I.A.T.S.E. Local 728: Hans Lau, Matt Ardine—Present. No status change.
Theatre Projects Consultants, Inc.: Steven Rust

Steve Rust was not present, so his status was changed to observer.

3.5.2 Changes due to missed ballots

The following voting members have missed two consecutive letter ballots, and will have their status changed to Observer if they miss the next ballot:

There are none.

Jerry Gorrell reminded everyone of the importance of voting regularly. If too many people do not vote, a motion requiring a supermajority to pass fails, simply because too few people have voted Yes.

3.6 Consensus body

Delegate	Representing	Voting status	Int. cat.
Nick Saiki	ADJ Products	P	MP
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

Delegate	Representing	Voting status	Int. cat.
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
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
		4	MP
		2	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 *PHmin07-2023_DRAFT.pdf*

Michael Lay moved to approve the minutes. The motion was seconded and carried without objection or abstention.

5 Approval of agenda

Michael Lay 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 one was present to report on the project. Jerry Gorrell asked who was leading the task group. Karl Ruling said that Tucker Downs is the leader of the task group, but Tucker is not present today. Jerry Gorrell said he hoped to hear a progress report at the next meeting.

Hans Lau said Tucker is also participating in SMPTE metadata projects, which are related to this.

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.

No news or action now.

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.

No news or action now.

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.

No news or action now.

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.

Jerry Gorrell said that this standard will become obsolete soon. He knows of five states that have passed legislation to ban these sources.

6.6 ANSI 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.

No news or action now.

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 withdrawal public review runs until 26 September. As of the date of this distribution, there have been no comments received.

Karl Ruling reported that the letter ballot had been issued. Please vote. As of yesterday about half of the voters had returned ballots, all affirming the withdrawal. This topic will probably not be on the next agenda, or any others to come.

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

Richard Nix said that NATEAC is looking for presentations for the July 2024 conference. Please go to the link and submit an idea, if you have one.

9 Schedule for future meetings

The full meeting schedule may be found at <http://www.esta.org/ESTA/meetings.php>.

The Winter meetings will be held in conjunction with the NAMM Show 2024, in Anaheim, CA, during the week of 22 January 2024. The Spring meetings will be held in conjunction with the USITT Conference, in Seattle, WA, the week of 18 March 2024. The Summer meetings will co-locate with NATEAC in NYC, the week of 08 July 2024. The Fall 2024 meetings will likely return to Westlake, TX.

10 Adjournment

Having reached the end of the agenda, and no further business brought forth, Jerry Gorrell declared the meeting adjourned at 10:32 CDT.

Working group members and contact information as of 16 October 2023

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

Working group members and contact information as of 16 October 2023

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

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