

Minutes
Photometrics Working Group
Sunday 7 October 2018
Marriott Solana
Westlake, TX

Chair: Jerry Gorrell; Theatre Safety Programs

Recording secretaries: Richard Nix and Karl G. Ruling; ESTA

Members attending:

Ed Hyatt; Boston Illumination Group; P; CP
Jerry Gorrell; Theatre Safety Programs; P; U
Karl G. Ruling; Unit 12 Productions; I; DE
Larry Schoeneman; DesignLab Chicago, Inc.; P; DR
Mark Primrose; Kino Flo, Inc.; P; CP
Michael Lay; Signify; P; MP
Mike Wood; Mike Wood Consulting LLC; P; G
Mitch Hefter; Signify; A; MP
Robert Haycock; UC Berkeley; O; U

Visitors: none

1 Opening Remarks

Jerry Gorrell called the meeting to order at 14:02.

2 Attendance and membership

2.1 Introductions of those present and taking attendance

Karl Ruling, acting as secretary, checked off those present on the attendance sheet.

Those present introduced themselves.

2.2 Determination of quorum

Jerry Gorrell announced that a quorum was present—even enough people for a supermajority vote.

2.3 Recognition of alternate voting members

2.4 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.

2.5 Processing of new membership requests and changes of status or representation

As of 12 September 2018, the following applications had been received:

Michael Lay, Signify, P, MP (change of company & representation name)
and change Mitch Hefter, too.
Robert Haycock, Cal Performances (UC Berkeley), O, U
Mark Primrose; Kino Flo; P; CP

Mike Wood moved that the applications be accepted. The motion was seconded. The motion was approved with a unanimous show of hands in the room and on-line.

2.6 Changes to observer status due to lack of attendance

There were no voters in jeopardy of a change to Observer status due to lack of attendance.

2.7 Consensus body

The full consensus body during this meeting, including those not present, was as follows:

Name	Representing	Voting status	Int cat
Mike Wagner	Arnold & Richter Cine Technik	P	MP
Ed Hyatt	Boston Illumination Group	P	CP
Larry Schoeneman	DesignLab Chicago, Inc.	P	DR
Wendy Luedtke	Electronic Theatre Controls, Inc.	P	MP
Mark Primrose	Kino Flo, Inc.	P	CP
Mike Wood	Mike Wood Consulting LLC	P	G
Michael Lay	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		9	
Votes by interest categories		2	CP
		1	DE
		1	DR
		1	G
		3	MP
		1	U

3 Approval of the minutes from the last meeting

See *PHmin11-2017.pdf*.

Larry Schoeneman moved that the draft minutes be approved as written. The motion was seconded. The motion was approved with a show of WebEx and real hands.

4 ESTA declarations

4.1 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.

4.2 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 held up copies of the easy-to-read pamphlet.

No restraint of trade issues were reported.

5 Approval of agenda

Mike Wood moved that the draft agenda be accepted. The motion was seconded and then approved with a unanimous show of hands in the room and on-line.

6 Old Business

6.1 ANSI E1.9 – 2007 (R2017), Reporting Photometric Performance Data for Luminaires Used in Entertainment Lighting (Revision, reaffirmation, or withdrawal by 2 November 2022)

No action at this time.

6.2 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 (Revision, reaffirmation, or withdrawal by 2 November 2022)

No action at this time.

6.3 ANSI E1.35 – 2013 (R2018), Lens Quality Measurements for Pattern Projecting Luminaires Intended for Entertainment Use (Revision, reaffirmation, or withdrawal by 27 February 2023)

No action at this time.

6.4 ANSI E1.36 – 2007 (R2017), 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 (Revision, reaffirmation, or withdrawal by 2 November 2022)

No action at this time.

6.5 ANSI E1.41 – 2016, Recommendations for Measuring and Reporting Photometric Performance Data for Entertainment Luminaires Utilizing Solid State Light Sources (Revision, reaffirmation, or withdrawal by 16 September 2021)

No action at this time, but Mike Wood said that the IES is working on a standard for doing the measurements that yield the data to be reported in this E1.41 standard.

6.6 ANSI E1.48 – 2014, A Recommended Luminous Efficiency Function for Stage and Studio Luminaire Photometry (Revision, reaffirmation, or withdrawal by 27 January 2019)

Action is needed on this now or soon. The next Photometrics Working Group meeting is 24 January 2019.

Mike Wood moved that we reaffirm this standard. The motion was seconded.

Karl Ruling explained that the vote would be done by letter ballot with a concurrent public review. Any public review comments will be circulated back to voters for them to consider as they vote.

6.7 BSR E1.54, ESTA Color Standard

See *BSR_E1-54-201x12Sept2018.pdf*.

Mike Wood reported that we have a draft, but there are questions that the working group needs to consider. He reminded people that the purpose of the standard is to unambiguously specify a color. The standard hasn't been used with one reason being that luminaires can produce colors outside the defined RGB triangle.

There was discussion. The consensus was that we remove the RGB triangle and only have x,y or perhaps u',v' coordinates. The standard would also specify how these values would be scaled for 8-bit or 16-bit control.

Mike Wood said that he would write another draft of E1.54.

6.8 ANSI E1.55 – 2016, Standard for Theatrical Makeup Mirror Lighting (Revision, reaffirmation, or withdrawal by 16 September 2021)

No action at this time.

7 New business

8 Other business and announcements

8.1 Ecodesign

Mike Wood reported on the work to exempt stage and studio luminaires. A blanket exemption is not possible. However, they have not accepted many of the exemptions needed so a lot of stage and studio luminaires will not pass. Not hopeful.

8.2 IES

Mike Wood reported that TM-30-15 is about to be TM-30–18. It has been revised to match the slightly different CIE 224.

8.3 Awards

8.3.1 Above & Beyond Awards

Jerry Gorrell noted that the nomination site is open year-round at http://tsp.esta.org/tsp/news/award_nomination.html.

8.3.2 ESTA Lifetime Technical Achievement Award

Jerry Gorrell noted that this award exists for people who have had long, significant careers.

8.3.3 ESTA Volunteer of the Year Award and Swan Award

There was discussion of the difference between the Volunteer of the Year Award and the Swan Award. The latter is more for service to ESTA; the former for the TSP.

8.4 Education

8.4.1 INNOVA

The site can be accessed at <http://innova.usitt.org>. Content and content providers are still being sought. If you are interested, email standards@esta.org to be put in touch with someone.

Robert Haycock suggested an introduction to TM-30 would be good.

8.4.2 NAMM

The education schedule for the January NAMM show will be released in November, but ESTA will be providing Education tracks for event technology professionals in lighting, lighting networking, rigging, and safety.

9 Schedule for future meetings

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

The consensus was that we will have a meeting as soon as Mike Wood gets it a revised draft of E1.54 to the working group. We can meet by WebEx.

9.1 January ESTA meetings

Thursday 24 January 2019 at the Sheraton Park Hotel in Anaheim, CA is on the schedule. The working group's consensus was that this should be canceled.

9.2 The future!

Shall we meet at the 2019 USITT Conference in Louisville, KY, March 20 through 23? We are not automatically on the schedule because we did not meet at USITT in Fort Lauderdale, FL.

The consensus was not to meet.

10 Adjournment

Karl Ruling (Unit 12 Productions) moved that the meeting adjourn. The motion was seconded. Hearing no objections, Jerry Gorrell declared the meeting adjourned at 15:09.

Name	Company Name	Parent Co.	Int. Cat	Voting Status
Robert Barbagallo	Solotech Inc.	Solotech Inc.	DR	O
Edward R. Condit	OSRAM Lighting Solutions	OSRAM Licht AG	MP	O
Bill Ellis	Candela Controls, Inc.	Candela Controls, Inc.	U	O
George Gong	Signify	Signify	MP	O
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	U	P
Erin Grabe	ESTA	ESTA	G	exf
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	U	O
Robert Haycock	Cal Performances	UC Berkeley	U	O
Mitch Hefter	Signify	Signify	MP	A
Ed Hyatt	Boston Illumination Group, Inc.	Boston Illumination Group	CP	P
Frank Kjær Jensen	Martin Professional ApS	Harman International Industries	MP	O
Michael Lay	Signify	Signify	MP	P
Rick Loudenburg	Barbizon Light (Denver)	Barbizon Companies	DR	O
Wendy Luedtke	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	MP	P
Richard J. Nix	ESTA	ESTA	G	exf
Mark Primrose	Kino Flo, Inc.	Kino Flo, Inc.	CP	P
Mark Ravenhill	GLP German Light Products Inc.	GLP German Light Products Inc.	MP	O
Karl G. Ruling	Unit 12 Productions	Unit 12 Productions	DE	I
Karl G. Ruling	ESTA	ESTA	G	exf
Larry Schoeneman	DesignLab Chicago, Inc.	DesignLab Chicago, Inc.	DR	P
Ford Sellers	Chauvet Lighting	Chauvet Lighting	MP	O
Keith Sklar	Actors' Equity Association	Actors' Equity Association	G	O
Robert Timmerman	Philips Color Kinetics	Signify	MP	O
Mike Wagner	ARRI Inc. (Calif.)	Arnold & Richter Cine Technik	MP	P
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	G	P

Key to the Codes:

Interest category

- CP** Custom-market Producer
- DE** DEsigner
- DR** Dealer or Rental company
- G** General interest
- MP** Mass-market Producer
- U** User

Voting status

- P** Principal
- A** Alternate
- I** Individual
- O** Observer