

Minutes
Photometrics Working Group
Friday 15 July 2016
Roosevelt Hotel
45 E 45th St, New York, NY 10017
Vanderbilt Suite, 2nd FL

Chairman:

Jerry Gorrell; Theatre Safety Programs; P; U

Recording secretaries:

Erin Grabe; ESTA

Karl G. Ruling; ESTA

Members attending:

Mike Wagner; ARRI Inc. (Calif.) (Arnold & Richter Cine Technik); P; MP

Ed Hyatt; Boston Illumination Group; P; CP

Wendy Luedtke; Electronic Theatre Controls, Inc.; P; MP

Edward R. Condit; OSRAM Lighting Solutions (OSRAM Licht AG); O; MP

Mitch Hefter; Philips Lighting; A; MP

Michael Lay; Philips Color Kinetics (Philips Lighting); P; MP

Karl G. Ruling; Unit 12 Productions; I; DE

1 Opening Remarks

Jerry Gorrell called the meeting to order at 16:02.

2 Attendance and membership

2.1 Introductions of those present and taking attendance

Karl Ruling read through the names of those present as he checked them off on the sign-in sheet.

2.2 Determination of quorum

There are currently 9 possible votes. A quorum is 3; supermajority is 5.

Jerry Gorrell announced that a quorum was present.

2.3 Recognition of alternate voting members

Michael Lay was identified as representing Phillips.

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 Changes to observer status due to lack of attendance

The following voters have missed the last two meetings and are in jeopardy of a change to Observer status if this meeting is also missed:

Larry Schoeneman; DesignLab Chicago, Inc.; P; DR

Mark Ravenhill; GLP German Light Products Inc.; P; MP

Kimberly Corbett Oates; Schuler Shook; P; DE

Jerry Gorrell announced that they were not present, so they are now observer members.

2.6 Processing of new membership requests and change of status or representation

As of 28 June 2016, the following applications had been received:

Ed Hyatt; Boston Illumination Group; Observer to Principal; CP
 Wendy Luedtke; Rosco to ETC; P; MP

Karl Ruling (Unit 12 Productions) moved that Wendy Luedtke's application be accepted. The motion was seconded and then approved unanimously with a voice vote.

Michael Lay moved to accept Ed Hyatt's application. The motion was seconded and then approved unanimously with a voice vote.

2.7 Consensus body

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

Delegate	Representing	Voting status	Int. cat.
Mike Wagner	Arnold & Richter Cine Technik	P	MP
Ed Hyatt	Boston Illumination Group	P	CP
Wendy Luedtke	Electronic Theatre Controls, Inc.	P	MP
Ken Vannice	Ken Vannice LLC	I	G
Mike Wood	Mike Wood Consulting LLC	P	G
Michael Lay	Philips Lighting	P	MP
Mitch Hefter	Philips Lighting	A	MP
Jerry Gorrell	Theatre Safety Programs	P	U
Karl G. Ruling	Unit 12 Productions	I	DE
	Total possible	8	
		1	CP
		1	DE
	Subtotals by interest categories	0	DR
		2	G
		3	MP
		1	U

3 Approval of the minutes from the last meeting

See PHmin03-2016.pdf.

Michael Lay moved that the draft minutes be approved as written. The motion was seconded and then approved with a voice vote.

4 ESTA declarations

4.1 Call for patents

The following statement was read aloud to the assembly 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 reported.

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 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.

5 Approval of agenda

Wendy Luedtke moved that the agenda be accepted as drafted. The motion was seconded and then approved with a unanimous voice vote and show of hands.

6 Old Business

6.1 ANSI E1.9 – 2007 (R2012), Reporting Photometric Performance Data for Luminaires Used in Entertainment Lighting (Revision, reaffirmation, or withdrawal by 2017)

No news or action at this time.

6.2 ANSI E1.25 – 2012, 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 2017)

No news or action at this time.

6.3 ANSI E1.35 – 2013, Lens Quality Measurements for Pattern Projecting Luminaires Intended for Entertainment Use (Revision, reaffirmation, or withdrawal by 2018)

No news or action at this time.

6.4 ANSI E1.36 – 2007 (R2012), 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 2017)

No news or action at this time.

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

No news or action at this time.

6.6 ANSI E1.54 – 2015, ESTA Color Standard

No news or action at this time.

7 New business

7.1 Revision of ANSI E1.41 – 2012, Recommendations for Measuring and Reporting Photometric Performance Data for Entertainment Luminaires Utilizing Solid State Light Sources

See *E1-41_RevwSmmry.pdf*. No comments were received. During the working group letter ballot to approve of opening the standard for revision, a comment was received which suggested a revision. It is being copied here for the group to consider.

Name: Mike Wagner - Arnold & Richter Cine Technik (MP)

Vote: Yes with comments

Time: 2016-03-29 15:06:02 PT

Comments: Agreed to the reopening, I have a question as to if we should reference "TM-30-XX" instead of "TM-30-15" so that the reference is open to future versions of the standard.

Karl Ruling spoke against the idea of an open-ended reference, because the consensus body may not like something written into future editions. Mike Wagner said that this satisfies him and resolves his comment.

Wendy Luedtke said that the CIE was looking at adoption of TM-30. The committee dealing with color fidelity is likely to reference TM-30, but another committee was likely to make no recommendation.

Wendy Luedtke moved to approve the draft standard as an American National Standard. The motion was seconded and will be decided by letter ballot.

7.2 Revision of ANSI E1.55 – 2015, Standard for Theatrical Makeup Mirror Lighting

See *E1-55_RevwSmmry.pdf* and *E1-55_DraftResols.pdf*.

Karl Ruling spoke to the comments received and the draft resolutions distributed. He noted that a supermajority is required to approve comment resolutions. There was some discussion as to the electrical safety of makeup mirror lighting being covered under UL.

Michael Lay moved that we accept the comment resolutions. The motion was seconded and then approved with a unanimous show of hands and voice votes.

Michael Lay moved that we accept E1.55 as an American National Standard. The motion was seconded. The question will be decided by letter ballot.

7.3 Other New Business

None.

8 Other business

8.1 Above & Beyond Awards

Jerry Gorrell stated that the nomination site is open year round at http://tsp.esta.org/tsp/news/award_nomination.html. He urged members to nominate their peers.

8.2 Investors in Innovation

The Investors in Innovation donation site is at http://tsp.esta.org/tsp/inv_in_innovation/sponsor.html

Jerry Gorrell directed people to consider becoming an Investor in Innovation. The TSP has a serious budget deficit.

8.3 Other other business

None.

9 Schedule for future meetings

The next possible meeting is in conjunction with LDI in Las Vegas the week of 17 October 2016.

The consensus was that no meeting would be necessary for the LDI meeting. The next meeting should be at the USITT Conference.

10 Adjournment

Michael Lay moved that we adjourn. The motion was seconded. Hearing no objections, Jerry Gorrell declared the meeting adjourned at 16:42.

Name	Company	Representing	Voting status	Int. cat.
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	DR
Lee J. Bloch	Bloch Design Group, Inc.	Bloch Design Group, Inc.	O	U
Ron Bonner	PLASA Technical Resources Office	PLASA EU	O	G
Edward R. Condit	OSRAM Lighting Solutions	OSRAM Licht AG	O	MP
Bill Ellis	Candela Controls, Inc.	Candela Controls, Inc.	O	U
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U
Erin Grabe	ESTA	ESTA	exf	G
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	O	U
Mitch Hefter	Philips Lighting	Philips Lighting	A	MP
A C Hickox	Domingo Gonzalez Associates	Domingo Gonzalez Associates	O	U
Ed Hyatt	Boston Illumination Group, Inc.	Boston Illumination Group	P	CP
Frank Kjær Jensen	Martin Professional ApS	Harman International Industries	O	MP
Michael Lay	Philips Color Kinetics	Philips Lighting	P	MP
Rick Loudenburg	Barbizon Light (Denver)	Barbizon Companies	O	DR
Wendy Luedtke	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	P	MP
Kimberly Corbett Oates	Schuler Shook	Schuler Shook	O	DE
Mark Ravenhill	GLP German Light Products Inc.	GLP German Light Products Inc.	O	MP
Darryl Ross	TMB	TMB	O	MP
Karl G. Ruling	Unit 12 Productions	Unit 12 Productions	I	DE
Karl G. Ruling	ESTA	ESTA	exf	G
Larry Schoeneman	DesignLab Chicago, Inc.	DesignLab Chicago, Inc.	O	DR
Ford Sellers	Chauvet Lighting	Chauvet Lighting	O	MP
Keith Sklar	Actors' Equity Association	Actors' Equity Association	O	G

Name	Company	Representing	Voting status	Int. cat.
Robert Timmerman	Philips Color Kinetics	Philips Lighting	O	MP
Ken Vannice	Ken Vannice LLC	Ken Vannice LLC	I	G
Mike Wagner	ARRI Inc. (Calif.)	Arnold & Richter Cine Technik	P	MP
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	P	G

Keys 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