

Minutes
Photometrics Working Group
Saturday, 3 April 2010
Marriott Kansas City Downtown
Kansas City, MO

Chairman: Jerry Gorrell; Theatre Safety Programs; P; U

Recording secretary: Karl G. Ruling; ESTA

Members attending:

Jim McHugh; Humboldt State University; O; U
Francesc Rodelles Vinyoles; Institut del Teatre; O; D
Ken Vannice; Leviton Manufacturing Co., Inc.; P; MP
Michael Lay; Philips Strand Lighting (Royal Philips Electronics); P; MP

Visitor: Jenny Gorrell

1 Opening Remarks

Jerry Gorrell called the meeting to order at 8:03. He welcomed all and thanked them for being at the meeting on time, noting that the hotel has the wrong start time (9:00) on the schedule in the elevator lobby.

2 Attendance and membership

2.1 Introductions of those present and taking attendance

An orange sign-in sheet was circulated.

2.2 Determination of quorum

(6 voting members: 3 needed for a quorum, 4 to pass a supermajority vote)

Jerry Gorrell announced that three voters were present, so the working group has a quorum and business can be conducted.

Three voters a quorum present.

2.3 Recognition of alternate voting members

There were none to recognize.

2.4 Requirements for membership

Gorrell reminded those present that membership is open to all who are materially affected by the work of the group, but voting members are required to vote on letter ballots and to attend meetings. If a voting member and his alternate both miss three meetings in a row, they are moved to observer status. This will be done at the end of the third meeting missed.

2.5 Changes to observer status

Principals (and alternates, if applicable) who have missed the last two meetings and who will have not meet the minimum attendance requirements for voters if this meeting also is missed:

- None

2.6 Processing of new membership requests

Pending applications as of 17 March 2010

- Jeffery F. Knox; Schuler Shook; principal; designer (not present)
- Kimberly Corbett; Schuler Shook; alternate; designer (not present)
- Charles H. Green; individual; user (not present)
- Francesc Rodelles Vinyoles; Institut del Teatre; observer; designer

Ken Vannice moved that all the applicants be accepted as observer members. The motion was seconded and then approved with a show of hands.

2.7 Consensus body

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

Name	Company	Representing (This is the primary sort field.)	Voting status	Int. cat.
Rick Loudenburg	Barbizon Light (Denver)	Barbizon Companies	P	DR
Ken Vannice	Leviton Manufacturing	Leviton Manufacturing Co., Inc.	P	MP
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	P	G
Ron Bonner	PLASA	PLASA	P	G
Michael Lay	Philips Strand Lighting	Royal Philips Electronics	P	MP
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U
		Total votes	6	
		Votes by interest categories	0	CP
			2	MP
			1	DR
			1	U
			2	G
			0	DE

3 Approval of the minutes from the November 2009 meeting

See PHmin11-2009.pdf.

Ken Vannice moved that the draft minutes be accepted as written. The motion was seconded and then approved with a show of hands.

4 ESTA declarations

The following statements (4.1 and 4.2) were read aloud to the assembly by Jerry Gorrell.

4.1 Call for patents

"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 or 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."

No protected intellectual property was reported.

4.2 Anti-trust statement

"The ESTA Board of Directors, the Technical Standards Committee, and the leadership of this working group will reject or nullify any actions that unlawfully restrain trade. Anyone who feels that such an action is being or has been taken is requested to bring that matter to the attention of the chair

immediately. Anyone who feels that actions in restraint of trade have been taken and not properly annulled is requested to notify the TSC chair or ESTA president immediately.

"ESTA legal counsel has informed us that violations of the anti-trust laws can have serious consequences. Individuals engaged in certain unlawful conduct can be found criminally liable. An individual convicted of a criminal violation of the Sherman Act may be fined as much as \$1,000,000 and imprisoned for up to ten years. An easy to read pamphlet describing restraint of trade issues is available from the Technical Standards Manager."

Karl Ruling held aloft a copy of the easy-to-read pamphlet to show that it was available at this meeting.

5 Approval of agenda

Ken Vannice moved that the draft agenda be accepted as written. The motion was seconded and then approved with a show of hands.

6 Old Business

6.1 ANSI E1.9-2007, Reporting Photometric Performance Data for Luminaires Used in Entertainment Lighting

No news. No action needed today.

6.2 ANSI E1.25-2006, Recommended Basic Conditions For Measuring The Photometric Output Of Stage And Studio Luminaires By Measuring Illumination Levels Produced On A Planar Surface

No news. No action needed today.

6.3 ANSI E1.35 - 2007, Lens Quality Measurements for Pattern Projecting Luminaires Intended for Entertainment Use

No news. No action needed today.

6.4 ANSI E1.36 - 2007, 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

No news. No action needed today.

7 New business

7.1 Possible LED luminaire output reporting normative standard, recommendation, or guide

See MWW LED Photometrics 3-10-10 TSP_ProjectRequest_r4.pdf. The TSC had already approved the proposal, pending working group approval, at the TSC meeting.

There was a discussion of the proposal, including why it focusing on white light for the first part and why it is proposed to be a recommendation stating some mandatory requirements but also making some recommendations (i.e., "shall" and "should" statements). Why is it not a normative standard? Ultimately, the working group was satisfied with the proposal as written.

Ken Vannice moved that the two-part project be accepted. The motion was seconded and then approved with a unanimous show of hands.

The task group shall be Mike Wood, because of his expertise. However, Mike Wood is encouraged to seek help on generating the document; it does not all need to be written and edited by him.

7.2 Other new business

The possibility of writing some specification boilerplate for consultants was discussed. The consensus was that ANSI E1.9 and E1.35 might be standards that would be referenced by specifiers, but that E1.25 and E1.36 probably would not be useful for them.

Jerry Gorrell asked Mike Lay to work on generating the boilerplate text. Mike Lay agreed to take on the project.

8 Other business

Karl Ruling briefly described a session he and Mike Wood are proposing on color metamerism and metamerism failure.

9 Schedule for future meetings

The consensus was that next meeting should be at LDI. However, if Mike Wood feels that he will have a draft ready for the Texas July meeting, we will schedule a meeting for that time.

In any case, there will be discussion at LDI on reaffirming, revising, or withdrawing the E1.25 standard, which was published in 2006.

10 Adjournment

Ken Vannice moved that the meeting adjourn. The motion was seconded. The motion was approved by a show of hands. Jerry Gorrell declared the meeting adjourned at 9:03.

Working Group Membership and Contact Information as of 14 June 2010, Flag Day

Name	Company	Representing (This is the sort field.)	Voting status	Int. Cat.
Larry Busch	ADB Lighting Technologies	ADB Lighting Technologies	O	MP
John Luk	Altman Stage Lighting	Altman Stage Lighting	O	MP
John T. Ryan	Altman Stage Lighting	Altman Stage Lighting	O	MP
André Broucke	André Broucke	André Broucke	O	G
Rick Loudenburg	Barbizon Light (Denver)	Barbizon Companies	P	DR
Lee J. Bloch	Bloch Design Group, Inc.	Bloch Design Group, Inc.	O	U
Ed Hyatt	Boston Illumination Group, Inc.	Boston Illumination Group	O	CP
Bill Ellis	Candela Controls, Inc.	Candela Controls, Inc.	O	U
Charles H. Green	Charles H. Green	Charles H. Green	O	U
Francesco Romagnoli	Clay Paky S.P.A.	Clay Paky S.P.A.	O	MP
David Bertenshaw	David Bertenshaw	David Bertenshaw	O	G
Doug MacDonald	Designlab Chicago	Designlab Chicago Inc.	O	DR
A C Hickox	Domingo Gonzalez Associates	Domingo Gonzalez Associates	O	U
Gregg Esakoff	ETC West	Electronic Theatre Controls, Inc.	O	MP
Jim McHugh	Humboldt State University/IES	Humboldt State University	O	U
Francesc Rodelles Vinyoles	Institut del Teatre	Institut del Teatre	O	D
Jim Grosh	Jim Grosh Associates	Jim Grosh Associates	O	G
Ken Vannice	Leviton Manufacturing	Leviton Manufacturing Co., Inc.	P	MP
Afsan Quazi	Lighting & Electronics, Inc.	Lighting & Electronics, Inc.	O	G
Heidi Hyldahl	Martin Professional A/S	Martin Professional A/S	O	MP
Dennis Thykjær Jørgensen	Martin Professional A/S	Martin Professional A/S	O	MP
Hiroshi Kita	Marumo Electric Co., Ltd.	Marumo Electric Co., Ltd.	O	MP
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	P	G
Bill Klages	New Klages Inc.	New Klages Inc.	O	U

Name	Company	Representing (This is the sort field.)	Voting status	Int. Cat.
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	O	U
Ron Bonner	PLASA	PLASA	P	G
James Eade	PLASA	PLASA	O	G
Ron Rykowski	Radiant Imaging, Inc.	Radiant Imaging, Inc.	O	G
Francois Juliat	Robert Juliat	Robert Juliat	O	MP
Michael Lay	Philips Strand Lighting	Royal Philips Electronics	P	MP
Mitch Hefter	Entertainment Technology	Royal Philips Electronics	O	G
Kimberly Corbett	Schuler Shook	Schuler Shook	O	DE
Jefferey Knox	Schuler Shook	Schuler Shook	O	DE
John Allard	Softsun	Softsun	O	CP
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	DR
Joseph M. Good_III	Spectrum Professional Services	Spectrum Professional Services	O	G
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U
Larry Lieberman	Vision Quest Lighting	Vision Quest Lighting	O	CP

Key to codes:

P	principal voting member	MP	mass-market producer interest category
A	alternate voting member	CP	custom-market producer interest category
I	individual voting member	DR	dealer or rental company interest category
O	observer, non-voting	U	user interest category
		G	general-interest interest category
		DE	designer