

Minutes
Photometrics Working Group
Friday, 20 October 2000
Harrah's Las Vegas
Las Vegas, NV

Chair: Thomas Tyler; Lighting & Electronics, Inc.; Principal; Producer

Recording secretary: Karl G. Ruling, ESTA

Members attending: A C Hickox; Domingo Gonzalez Associates; Observer; User
Bill Klages; New Klages Inc.; Principal; User
David Jenkins; Radiant Imaging, Inc.; Principal; General interest
David Steven; Strand Lighting Ltd.; Principal; Producer
Ed Hyatt; Boston Illumination Group, Inc.; Principal; Producer
Jerry Gorrell; Theatre Safety Programs; Principal; User
Jim McHugh; Humboldt State University; Principal; User
John Luk; Altman Stage Lighting; Principal; Producer
Ken Vannice; NSI Corporation (Leviton Manufacturing Co., Inc.); Principal;
Producer
Mitch Heffer; Rosco/Entertainment Technology (Rosco Laboratories); Observer;
User
Rick Loudenburg; Barbizon Rockies (Barbizon Companies); Principal; General
interest
Tim Cox; PLASA; Principal; General interest
Tim Hansen; Oasis Stage Werks; Principal; User
Tom Pincu; Moodie, Pincu & Associates, Inc.; Principal; Producer
Larry Lieberman; Vision Quest Lighting; Principal; General interest

1 Opening Remarks

Tom Tyler chaired the meeting. Tyler called the meeting to order at 09:10.

2 Attendance and membership

2.1 Introductions of those present

Tyler asked those present to introduce themselves, which they did, proceeding clockwise around the table.

2.2 Determination of quorum (6 needed for quorum, 9 for supermajority)

Fourteen voting members were present. Tyler announced that the meeting had both a quorum and a supermajority present.

2.3 Recognition of alternate voting members

None were present to recognize.

2.4 Requirements for membership

Tyler reviewed the attendance requirement:

If a voting member misses 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 Processing of new membership requests

Ruling said that Paul Edwards of PRG had applied for membership as an observer in the user interest category. Bill Klages vouched for his worthiness. Tom Pincu made a motion to accept his application, which was seconded. The application was accepted unanimously by a show of hands.

The voting body for this meeting was thus:

Name	Company	Parent company/ Org. represented	Voting status	Int. cat.
John Luk	Altman Stage Lighting	Altman Stage Lighting	P	P
Rick Loudenburg	Barbizon Rockies	Barbizon Companies	P	G
Lee J. Bloch	Bloch Design Group Inc.	Bloch Design Group Inc.	P	U
Ed Hyatt	Boston Illumination Group, Inc.	Boston Illumination Group	P	P
Gregg Esakoff	ETC West	Electronic Theatre Controls, Inc.	P	P
Ronald G. Mink	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	A	P
Jim McHugh	Humboldt State University/IES	Humboldt State University	P	U
Ken Vannice	NSI Corporation	Leviton Manufacturing Co., Inc.	P	P
Thomas Tyler	Lighting & Electronics, Inc.	Lighting & Electronics, Inc.	P	P
Tom Pincu	Moodie, Pincu & Associates, Inc.	Moodie, Pincu & Associates, Inc.	P	P
Bill Klages	New Klages Inc.	New Klages Inc.	P	U
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	U
Tim Cox	PLASA	PLASA	P	G
Tony Douglas-Beveridge	PLASA	PLASA	A	G
David Jenkins	Radiant Imaging, Inc.	Radiant Imaging, Inc.	P	G
Ron Rykowski	Radiant Imaging, Inc.	Radiant Imaging, Inc.	A	G
Joseph M. Good, III	Spectrum Professional Services	Spectrum Professional Services	P	G
David Steven	Strand Lighting Ltd.	Strand Lighting Ltd.	P	P
Milton Davis	Strand Lighting	Strand Lighting Ltd.	A	P
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U
Larry Lieberman	Vision Quest Lighting	Vision Quest Lighting	P	G
			17 voters	7 producer 5 general interest 5 user

3 Approval of the minutes from the previous meeting

Tom Pincu moved that the draft minutes be approved as written. The motion was seconded. The motion was approved unanimously by a show of hands.

4 Call for patents and anti-trust statement

Tom Tyler read the following:

"ESTA intends to publish no standard that contains protected intellectual property, unless that property can be licensed by anyone for a reasonable fee. ESTA uses a process of open patent disclosure to implement this intent. ESTA does not conduct patent searches and does not warrant that its standards contain no protected intellectual property.

"In keeping with the open disclosure policy, I ask if anyone present wishes to notify the working group of the existence of a patent or copyright that might protect material in a standard being developed by the working group. You need not be the holder of the patent or copyright in order to notify the working group of its existence."

No patents or copyrights were identified by the group.

Tom Tyler read the 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 restrain trade. Anyone who feels that an action restraining trade is being or has been taken is requested to bring the 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 any member of this working group may be found individually liable for any action that restrains trade taken by this working group. An individual convicted of a violation of the Sherman Act may be fined as much as \$100,000 and be imprisoned for up to three years. An easy to read pamphlet describing restraint of trade is available from the Technical Standards Committee."

No issues were identified by the attendees.

5 Approval of agenda

Tom Pincu moved that we approve the agenda as written. The motion was seconded. Mitch Hefter asked that we talk about the USITT 2001 Dog and Pony Show listed as the only item in "7 Other business" first. This modification was agreed to by the original maker of the motion and the person who seconded the motion. The agenda with this modification was accepted unanimously on a voice votes. The topics have been re-ordered and re-numbered in the minutes below to reflect this change of order

6 Other business

6.1 The USITT 2001 Dog and Pony Show

The USITT photometrics session is scheduled for Thursday, 22 March 2001, from 16:45 to 18:05. Mitch Hefter asked what the group planned to do and whether this was part of the session that Jody Good has already requested or in addition to it. It appears that only one session is now scheduled. By consensus, Karl Ruling was given the job of talking to Jody Good to see if one session will serve. Ruling was told to provide text describing the session by the November 1 to Jerry Gorrell, Mitch Hefter, and Jennifer Watson.

Hefter pointed out that the USITT Conference in 2002 will be in February and suggested that it might be prudent to modify the TSP meeting schedule because of this. There is usually a meeting in January and having another meeting in February would allow too little time between meetings for anything substantial to be done.

6.2 Developing a nutrition label format

Larry Lieberman reminded the group that part of the notion of having a photometric "nutrition label" was to have a standard reporting format. This would be essentially a graphic design project.

A task group was formed to develop a graphic format for the data expressed in E1.9. The task group includes A.C. Hickox, Jim McHugh, and Larry Lieberman. The chair is Jim McHugh.

7 Task group reports

7.1 Nutrition Label task group

7.1.1 Resolution of public review comments

The working group discussed document Photo/2000-5008, Proposed Task Group Responses to Second Public Review Comments on BSR E1.9, Entertainment Lighting Luminaires — Presentation of Photometric Performance Data, and the proposed revised draft standard (Photo/1997-5010r8) that was based on those proposed responses.

Tim Hansen moved that the "purpose" section proposed in the resolution to comment #2 be a foreword rather than a new section to the standard. The motion was seconded. By show of hands: 12 in favor, 0 against, 1 abstain in addition to the chair.

Ken Vannice moved that the reference to the "current version" before "LM63" be struck in the proposed resolutions to comments 16 and 17. The motion was seconded. The motion carried unanimously on a show of hands.

Vannice moved that we strike "live" and "stage and studio" from the scope statement in the proposed revised version of the standard. The motion was seconded. The motion carried unanimously on a show of hands.

Jerry Gorrell moved that all the comment resolutions be accepted, including those with the above changes noted. The motion was seconded. The motion carried unanimously on a show of hands, which was a supermajority.

Larry Lieberman moved that BSR E1.9 with the comment resolutions noted above be forwarded to the TSC for adoption as an American National Standard. The motion was seconded by Ed Hyatt. The motion was accepted by a roll call ballot with a supermajority.

Name	Company	Parent company/ Org. represented	Voting status	Int. cat.	Accept	Accept in principle	Accept in part	Reject	Abstain
John Luk	Altman Stage Lighting	Altman Stage Lighting	P	P	X				
Rick Loudenburg	Barbizon Rockies	Barbizon Companies	P	G	X				
Lee J. Bloch	Bloch Design Group Inc.	Bloch Design Group Inc.	P	U					
Ed Hyatt	Boston Illumination Group, Inc.	Boston Illumination Group	P	P	X				
Gregg Esakoff	ETC West	Electronic Theatre Controls, Inc.	P	P					
Ronald G. Mink	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	A	P					
Jim McHugh	Humboldt State University/IES	Humboldt State University	P	U	X				
Ken Vannice	NSI Corporation	Leviton Manufacturing Co., Inc.	P	P	X				
Thomas Tyler	Lighting & Electronics, Inc.	Lighting & Electronics, Inc.	P	P	X				
Tom Pincu	Moodie, Pincu & Associates, Inc.	Moodie, Pincu & Associates, Inc.	P	P	X				
Bill Klages	New Klages Inc.	New Klages Inc.	P	U	X				
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	U	X				
Tim Cox	PLASA	PLASA	P	G	X				
David Jenkins	Radiant Imaging, Inc.	Radiant Imaging, Inc.	P	G	X				
Joseph M. Good, III	Spectrum Professional Services	Spectrum Professional Services	P	G					
David Steven	Strand Lighting Ltd.	Strand Lighting Ltd.	P	P	X				
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U	X				
Larry Lieberman	Vision Quest Lighting	Vision Quest Lighting	P	G	X				
Totals 17 possible					14	0	0	0	0

7.2 IES testing RP update

Jerry Gorrell reported that the membership in the IES subcommittee that was reviewing the testing procedure for theatrical luminaires had dwindled so development of the procedure has been rolled

into the main testing committee. There is a draft document describing the procedure, and the intent is to submit it to the full committee for review and approval.

Karl Ruling read Jody Good's e-mailed report:

"Regarding the IESNA testing procedure, it is out of sub-committee, being sent to the full Testing Procedures Committee for ballot. This will be due around the end of Nov. A month for review by the Technical Review Committee, and on to the IESNA Board at their Feb. Meeting. Since this will be the first board meeting I will miss in 5 years, it is somehow fitting I will miss this one too."

Tim Hansen moved that the chairs of the Photometrics Working Group ask Jody Good to distribute this document to the members of this working group. The motion was seconded. The motion was approved unanimously by a show of hands.

7.3 Report on preparation for "The Ball, the Wall, and the Turntable"

Tom Pincu reported that preparations had been made and that all was well in hand. He said he need an overhead projector for the presentation, and Ruling said he would request one for the session.

8 Schedule for future meetings

By consensus the group decided that there was no need for a meeting in January. Ruling announced that the next meeting would be at the USITT Conference in Long Beach, CA, Saturday afternoon, 24 March 2000.

9 Adjournment

Tom Pincu moved that the meeting adjourn. The motion was seconded. The motion was approved unanimously by a show of hands. Tom Tyler declared the meeting adjourned at 11:25.

Photometrics Working Group Membership List with Changes from the 20 October 2000 Meeting

Name	Company	Parent company/ Org. represented	Voting status	Int. cat.
John Luk	Allman Stage Lighting	Allman Stage Lighting	P	P
Rick Loudenburg	Barbizon Rockies	Barbizon Companies	P	G
Lee J. Bloch	Bloch Design Group Inc.	Bloch Design Group Inc.	P	U
Ed Hyatt	Boston Illumination Group, Inc.	Boston Illumination Group	P	P
Bill Ellis	Candela Controls, Inc.	Candela Controls, Inc.	O	U
Francesco Romagnoli	Clay Paky S.P.A.	Clay Paky S.P.A.	O	P
Angelo Cavenati	Clay Paky S.P.A.	Clay Paky S.P.A.	O	P
David Bertenshaw	David Bertenshaw	David Bertenshaw	O	P
A C Hickox	Domingo Gonzalez Associates	Domingo Gonzalez Associates	O	U
Gregg Esakoff	ETC West	Electronic Theatre Controls, Inc.	P	P
Ronald G. Mink	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	A	P
Mike Wood	High End Systems Inc.	High End Systems Inc.	O	P
Jim McHugh	Humboldt State University/IES	Humboldt State University	P	U
Edwin S. Kramer	IATSE, Local 1	I.A.T.S.E. Local 1	O	U
Jim Grosh	Jim Grosh Associates	Jim Grosh Associates	O	G
Ken Vannice	NSI Corporation	Leviton Manufacturing Co., Inc.	P	P
Thomas Tyler	Lighting & Electronics, Inc.	Lighting & Electronics, Inc.	P	P
Hiroshi Kita	Marumo Electric Co., Ltd.	Marumo Electric Co., Ltd.	O	P
Tom Pincu	Moodie, Pincu & Associates, Inc.	Moodie, Pincu & Associates, Inc.	P	P
Bill Klages	New Klages Inc.	New Klages Inc.	P	U
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	U
Tim Cox	PLASA	PLASA	P	G
Tony Douglas- Beveridge	PLASA	PLASA	A	G
Paul Edwards	Fourth Phase New Jersey	PRG	O	U
Robert Barbagallo	Proximo Inc.	Proximo Inc.	O	U

Name	Company	Parent company/ Org. represented	Voting status	Int. cat.
David Jenkins	Radiant Imaging, Inc.	Radiant Imaging, Inc.	P	G
Ron Rykowski	Radiant Imaging, Inc.	Radiant Imaging, Inc.	A	G
Robert Mumm	Robert Mumm	Robert Mumm	O	G
Mitch Hefter	Rosco/Entertain- ment Technology	Rosco Laboratories	O	U
Andre Broucke	ADB - TTV Technologies	Siemens	O	P
Joseph M. Good, III	Spectrum Professional Services	Spectrum Professional Services	P	G
David Steven	Strand Lighting Ltd.	Strand Lighting Ltd.	P	P
Milton Davis	Strand Lighting	Strand Lighting Ltd.	A	P
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U
Thomas A. Hough	Vari-Lite, Inc.	Vari-Lite, Inc.	O	G
Larry Lieberman	Vision Quest Lighting	Vision Quest Lighting	P	G
Eckart Steffens	SOUNDLIGHT	VPLT	O	G

Voting Status

- P Principal voting representative for a company or organization
- A Alternate voting representative for a company or organization
- I Individual representing no organization other than himself or herself
- O Observer; non-voting

Interest Categories

- P Producer (manufacturer) of luminaires
- U User of luminaires
- G General interest in luminaires