

Minutes
Photometrics Working Group
Saturday, July 17, 1999
Dallas/Ft. Worth Marriott

Chairman: Thomas Tyler; Altman Stage Lighting; Principal; Producer
Recording secretary: Karl G. Ruling, ESTA

Members attending Edwin S. Kramer; IATSE, Local 1; Principal; User
Jerry Gorrell; Theatre Safety Programs; Principal; User
Ken Vannice; NSI Corporation (Leviton Manufacturing Co.), Inc.; Principal;
Producer
Lee J. Bloch; Bloch Design Group Inc.; Principal; User
Milton Davis; Strand Lighting; Principal; Producer
Rick Loudenburg; Barbizon Rockies (Barbizon Companies); Principal; General
interest
Ronald G. Mink; Electronic Theatre Controls ; Alternate; Producer
Tim Cox; PLASA; Principal; General interest
Tim Hansen; Oasis Stage Werks; Principal; User
Tom Pincu; Moodie, Pincu & Associates, Inc.; Principal; Producer

Note: The names in parenthesis indicate the organization represented, if different from the company affiliation.

1. Opening Remarks

Tom Tyler called the meeting to order at 1:00 p.m.. Tyler told the group that he had learned a number of tips about running a meeting effectively by attending Wally Blount's Meeting On Meetings at USITT. As a result of what he learned, we will start on time, we will close the door after the meeting starts, and we will operate the meeting per Roberts Rules of Order. Anyone wishing to speak must raise a hand to be recognized.

2 Attendance and membership

2.1 Introductions of those present

The group introduced themselves in sequence, moving clockwise around the table.

2.2 Determination of quorum (7 needed)

Tyler announced that we have a quorum. There were 11 voting members present out of a voting body of 20, making it possible to achieve a supermajority on votes.

2.3 Recognition of alternate voting members

Ron Mink in place of principal Gregg Esakoff for Electronic Theatre Controls, Inc.

2.4 Requirements for membership

The requirements for membership were briefly reviewed. Tyler said that the group needed to have an attendance requirement, and directed the group's attention to item 7.2 on the agenda.

2.5 Processing of new membership requests

Vincent Taurisson of ADB - TTV Technologies, a Siemens company, applied for observer status. Ken Vannice moved that his application be accepted. The motion was seconded. The vote was unanimously in favor by a show of hands.

3 Approval of the minutes from the previous meeting

Tom Pincu moved that they be accepted. Eddie Kramer seconded the motion. Unanimous by acclamation.

4 Call for patents

Tyler read the following statements:

"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 protected material were identified.

"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 one reported any actions that restrained trade at this time.

5 Approval of agenda

Lee Bloch moved that the draft agenda be accepted. Tom Pincu seconded the motion. Unanimous by a show of hands.

6 Task group reports

6.1 Nutrition Label task group: Larry Lieberman (head), Gregg Esakoff, Tom Tyler, Danny Haydt, Rick Loudenburg

6.1.1 Discuss unresolved resolutions.

There were no unresolved resolutions to comments. The task group had a response for each of the 126 comments received during the public review of E1.9.

6.1.2 Move to create a new standard for asymmetric luminaires, borderlight, etc.

The proposed resolutions advocated splitting off non-radially symmetrical luminaires into a separate standard. Jerry Gorrell moved that the standard be split in this way. Rick Loudenburg seconded the motion. By show of hands, the motion failed overwhelmingly with one in favor, two abstentions (including the chair) and eight against.

6.1.3 Vote to accept resolutions

The working group members were given a chance to review the proposed comment resolutions listed in Photo/99-5005 and were asked to write the number of any resolution with which he disagreed on a Rose Brand Post-It-type note. The sticky notes were then collected to create a list of the sticky issues.

Tom Pincu moved that all the proposed resolutions not on the sticky issues list be accepted. The motion was seconded. The motion was accepted unanimously by a show of hands. This constituted a super-majority, and so the following resolutions were accepted with this one motion:

1	2	3	4		6	7	8		10	11	
13	14	15	16		18	19	20		22		24
		27	28		30	31	32	33	34		36
37	38	39	40	41	42	43		45	46		48
49	50	51	52	53	54	55	56				60
61	62	63	64	65	66	67		69	70	71	72
73	74	75	76		78	79	80	81	82	83	84
85	86	87		89		91	92	93		95	96
97	98	99				103	104	105	106		108
109	110	111	112	113	114	115	116		118	119	120
121		123	124	125	126						

Proposed Resolution 5 – Ken Vannice moved that we reject the proposed resolution and ask the task group to revisit the issue. Pincu seconded. Ten in favor. Chair abstained.

Proposed Resolution 9 – Jerry Gorrell moved to accept the proposed resolution. Tim seconded. Ten in favor. Chair abstained. Resolution accepted with a supermajority.

Proposed Resolution 12 – Ken Vannice moved that the proposed resolution be accepted . The motion was seconded. Ten in favor. Chair abstained. Resolution accepted with a supermajority.

Proposed Resolution 17 – Vannice moved to accept the proposed resolution. Pincu seconded. Ten in favor. Chair abstained. Resolution accepted with a supermajority.

Proposed Resolution 21 – Rick moved to accept the comment as written and reject the proposed resolution. Seconded. Ten in favor. Chair abstained. Proposed resolution rejected, and resolution becomes "Accept."

Proposed Resolution 23 – Gorrell moved that the comment shall be accepted if the word "intensity" is used in the standard. If it is not, the comment shall be rejected because the term is not used. The task group shall search the document to see if "intensity" is used. Rick Loudenburg seconded. Ten in favor, chair abstained. Proposed resolution rejected.

Proposed Resolution 25 – Tim Hansen moved that the proposed resolution be rejected, and that the comment be sent back to the task group with the instruction to research the definition of far field photometry and incorporate it into section 2.14. Motion was seconded. One vote against, one abstention (the chairman), and nine in favor. Proposed resolution rejected.

Proposed Resolution 26 – Tim Hansen moved we accept as written. Vannice second. Ten in favor. Chair abstained. Resolution accepted with a supermajority.

Jerry Gorrell moved that the section of the standard referenced in comment 26 be sent back to the task group to be reworked because the existing definition does not adequately address multi-lamp luminaires and others types such as tilting reflector flood lights. Second. Unanimous except for one abstention.

Proposed Resolution 29 -- Ron Minx moved that the proposed resolution shall be rejected, and that the resolution to the comment shall be "Accept in part." "Two-dimensional" shall be deleted from the draft standard as the commentor had requested, but that "illumination" shall not be changed to "illuminance." Furthermore, "the area on a plane" shall be substituted for "two-dimensional." Motion was seconded. Unanimous, but with the chair abstaining, as is customary.

Proposed Resolution 35 – Eddie Kramer moved that the task group shall resolve this comment in the manner that the working group directed the task group to resolve comment #23. Motion was seconded. Ten in favor, chair abstained. Proposed resolution rejected.

Proposed Resolution 44 – Rick Loudenburg moved that the proposed resolution shall be accepted. Kramer seconded the motion. Ten in favor. Chair abstained. Resolution accepted with a supermajority.

Proposed Resolution 47 – Lee Bloch moved that the task group add the requested definitions of beam lumens and field lumens. Seconded. Ten in favor. Chair abstained. Proposed resolution rejected with a supermajority.

Proposed Resolution 57 – Pincu moved that the proposed resolution be accepted. Seconded. Ten in favor. Chair abstained. Resolution accepted with a supermajority.

Proposed Resolution 58 – Pincu moved that the proposed resolution be accepted. Seconded. Ten in favor. Chair abstained. Resolution accepted with a supermajority.

Proposed Resolution 59 – Gorell moved we accept the comment (and thus reject the proposed resolution). Pincu seconded. Four in favor. Seven against. Motion failed.

Kramer moved that the resolution be accepted in part. The phrase "Technically you are correct. However...." shall be deleted. Seconded. Ten in favor. Chair abstained. By a supermajority the resolution becomes "Reject. The text suggested for deletion is not obvious to some readers. See comment 60."

Proposed Resolution 68 – Lee Bloch moved that the proposed resolution be accepted. Seconded. Ten in favor. Chair abstained. Resolution accepted with a supermajority.

Gorrell moved that section 3.1.4 of the draft standard be sent back to the task group for them to take a second look at it. Motion failed for lack of a second.

Proposed Resolution 77 – Pincu moved that the comment be rejected, affirming the resolution. However, the task group is directed to revisit section 3.1.7 to simplify it, and perhaps add a definition of total lumen output in the definitions section. The task group is also asked to require beam and field efficiency to be reported. Loudenburg seconded. Ten in favor. Chair abstained. Motion passed.

Proposed Resolution 88 – Rick Loudenburg moved to reject the proposed resolution. Lee Bloch seconded. Nine in favor, and two against. Resolution rejected.

Pincu moved that we direct the task group to look at using rectangular format candlepower in addition to the isoilluminance graphs. Seconded. Unanimous. The sense of the group was that single quadrant candlepower plot with both the vertical and horizontal axis plotted together on the same graph are enough.

Proposed Resolution 90 – By consensus, the vote on number 5 was accepted as the appropriate vote on this resolution. Proposed resolution is therefore not accepted.

Proposed Resolution 94 – Kramer moved to accept the resolution in part. The resolution shall read "See comment 93," rather than "See comment 94." This was an obvious typographical error in the original. Motion was seconded. Ten in favor. Chair abstained. Motion passed with a supermajority.

Proposed Resolution 100 -- Rick Loudenburg moved that we reject the task group's resolution and direct the task group to revisit the comment, as per the vote on number 5. Seconded. Ten in favor. Chair abstained. Motion passed.

Proposed Resolution 101 – Rick Loudenburg moved we accept the proposed resolution. Seconded. Ten in favor. Chair abstained. Resolution accepted with a supermajority.

Lee Bloch moved that the answer to the task group's question in the resolution to #101 shall be that the luminaire manufacturer shall be required in the standard to report the % overlap needed achieve a blending illumination and that the range of illumination fluctuation with that overlap in terms of min/max shall be reported. Seconded. Unanimous with 11. Motion carried.

Proposed Resolution 102 – Gorrell moved we accept the resolution to 102. Seconded. One against and ten in favor. Motion carried with a supermajority.

Proposed Resolution 107 – Lee Bloch moved we reject the comment and thus reject the "accept in principle" resolution. Seconded. Unanimous with 11, and thus a supermajority. The consensus was that this is a photometric standard, and gate temperature is not a measure of photometric performance.

Proposed Resolution 117 – Tim Cox moved that we accept the resolution, and noted that this standard is not a safety standard. Seconded. Ten in favor. Chair abstained. Resolution accepted with a supermajority.

Proposed Resolution 122 -- Tim Cox moved that the proposed resolution be rejected. Motion was seconded by Tom Pincu. Unanimous with 11 in favor, a supermajority.

Lee Bloch moved that the resolution shall be to "accept in part" and to strike out the entire sentence that contained the words Erhardt had asked to be struck. Motion was seconded. Unanimous with 11 in favor, a supermajority.

Thus, all the proposed resolutions in white were accepted with the required supermajority. The light gray ones were modified in the meeting and the modified version was accepted with the required supermajority. The dark gray ones will require more work on the part of the task group to resolve or to respond to new directions from the working group.

1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80	81	82	83	84
85	86	87	88	89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104	105	106	107	108
109	110	111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126						

6.1.4 Status of additional photometric examples from Ron Rykowski

No report.

6.2 Explanation of photometric procedures: Bill Klages (head), Anne Valentino

No report.

6.3 Pincu's explanation of photometric procedures

No report.

6.4 IES testing RP update: Lee Bloch (head), Jody Good, Jim Grosh, Gregg Esakoff, Ron Rykowski

Lee Bloch reported that Don Smith will have a report on this project at the IES conference. A report will be available in time for LDI.

7 Other business

7.1 Invite group to write articles for Protocol

Ruling invited the group to write articles for Protocol.

7.2 Move for minimum attendance to retain voting status

After some discussion Tyler announced that a voting member and his alternate would have their voting status changed to observer at the beginning of the third meeting that neither he nor his alternate had attended in a row. No motion was required because the P&P states that the working group head shall set attendance requirements.

8 Schedule for future meetings

The next meeting is scheduled for 9:00 to noon, Saturday, November 20 in Orlando, Florida at the Peabody Hotel.

9 Adjournment

Lee Bloch moved the meeting adjourn. The motion was seconded. Unanimous. Tyler declared the meeting adjourned at 5:02 p.m.

Working group membership at the end of the meeting:

Name	Company	Parent co./ org represented.	Voting Status	Interest cat.
Andre Broucke	ADB - TTV Technologies	Siemens	O	P
Vincent Taurisson	ADB - TTV Technologies	Siemens	O	P
Thomas Tyler	Altman Stage Lighting	Altman Stage Lighting	P	P
John Luk	Altman Stage Lighting	Altman Stage Lighting	A	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	Boston Illumination Group	P	P
Angelo Cavenati	Clay Paky S.P.A.	Clay Paky S.P.A.	P	P
Francesco Romagnoli	Clay Paky S.P.A.	Clay Paky S.P.A.	A	P
David Bertenshaw	David Bertenshaw	David Bertenshaw	O	P
Ronald G. Mink	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	A	P
Gregg Esakoff	ETC West	Electronic Theatre Controls, Inc.	P	P
Mike Wood	High End Systems	High End Systems	O	P

Name	Company	Parent co./ org represented.	Voting Status	Interest cat.
Jim McHugh	Humboldt State University	Humboldt State University	P	U
Edwin S. Kramer	IATSE, Local 1	I.A.T.S.E. Local 1	P	U
Jim Grosh	Jim Grosh Associates	Jim Grosh Associates	P	G
Tom Pincu	Moodie, Pincu & Associates, Inc.	Moodie, Pincu & Associates, Inc.	P	P
Bill Klages	New Klages Inc.	New Klages Inc.	P	U
Ken Vannice	NSI Corporation	Leviton Manufacturing Co., Inc.	P	P
Tim Hansen	Oasis Stage Werks	Oasis Stage Werks	P	U
Tim Cox	PLASA	PLASA	P	G
Tony Douglas-Beveridge	PLASA	PLASA	A	G
Ron Rykowski	Radiant Imaging, Inc.	Radiant Imaging, Inc.	P	P
Daniel K. Haydt	Remote Source Lighting International	Remote Source Lighting International	P	P
Robert Mumm	Robert Mumm	Robert Mumm	O	G

Name	Company	Parent co./ org represented.	Voting Status	Interest cat.
Mitch Hefter	Rosco/ Entertainment Technology	Rosco Laboratories	O	U
Joseph M. Good, III	Spectrum Professional Services	Spectrum Professional Services	P	G
Milton Davis	Strand Lighting	Strand Lighting	P	P
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	P	U
Anne Valentino	Vari-Lite, Inc.	Vari-Lite, Inc.	O	P
Thomas A. Hough	Vari-Lite, Inc.	Vari-Lite, Inc.	O	G
Larry Lieberman	Vision Quest Lighting	Vision Quest Lighting	P	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