

Minutes
Followspot Position Working Group Meeting
19:00 to 23:00
Friday, 18 March 2005
Fairmont Royal York Hotel
Toronto, ON, Canada

Chairman: Jack Schmidt; Special Lighting Solutions (Ballantyne of Omaha, Inc.); P; MP

Recording secretary: Karl G. Ruling; ESTA

Members attending: Edwin S. Kramer; I.A.T.S.E. Local 1; P; U
Richard Logothetis; Lycian Stage Lighting; P; MP
Fred Lindauer; Robert Juliat USA; P; MP
Steve Rust; Sachs Morgan Studio; P; G
Shawn Nolan; Entertainment Structures Group (Steven Schafer Associates); P;
G
Jerry Gorrell; Theatre Safety Programs; O; U
William L. Maiman; I; G

Visitors: Jared Saltzmann; Bergen Community College
Ian Foulds; IATSE Local 873
John Himmelberger; Lied Center for Performing Arts

1 Opening remarks

The meeting was called to order at 19:06 by Jack Schmidt

2 Patent and Anti-Trust statements

2.1 Patent statement

The following statement was read aloud to the assembly by Jack Schmidt:

"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 issues were brought to the attention of the assembly.

2.2 Anti-trust statement

The following statement was read aloud to the assembly by Jack Schmidt:

"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 up some of the pamphlets to show that they were available.

No issues were brought to the attention of the assembly.

3 Attendance & membership

3.1 Introductions

Those present introduced themselves.

Regrets from Chip Purchase and Richard Thompson were conveyed to the group by Jack Schmidt. Chip Purchase could not get permission from his employer to attend this meeting, and Richard Thompson is ill and in hospital.

3.2 Taking attendance

A blue attendance sign-in sheet was circulated.

3.3 Requirements for membership

Schmidt reminded those present that membership in the working group is open to all who are affected by the work of the group. Voting members are required to attend meetings and to vote on letter ballots. Voting members and their alternates may not miss three consecutive meetings without a loss of voting status.

3.4 Determination of quorum

Jack Schmidt announced that a quorum was present.

3.5 Processing of new membership requests

There were none to process.

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

Name	Company	Representing (This is the sort field)	Voting status	Int. cat.
Jack Schmidt	Special Lighting Solutions	Ballantyne of Omaha, Inc.	P	MP
Chip Purchase	Jones Hall	Foundation for Jones Hall	P	U
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
Richard Logothetis	Lycian Stage Lighting	Lycian Stage Lighting	P	MP
Fred Lindauer	Robert Juliat USA	Robert Juliat SA	P	MP
Steve Rust	Sachs Morgan Studio	Sachs Morgan Studio	P	G
Stephen Vanciel	Stephen Vanciel	Stephen Vanciel	I	U
Shawn Nolan	Entertainment Structures Group	Steven Schafer Associates	P	G
Richard D. Thompson	Thompson Associates	Thompson Associates	P	G
William L. Maiman	William L. Maiman	William L. Maiman	I	G
Robin Crews	Wrightson, Johnson, Haddon & Williams, Inc.	Wrightson, Johnson, Haddon & Williams, Inc.	P	G
		Total	11	

Voters by interest category	3	MP
	0	CP
	0	DR
	3	U
	5	G

4 Approval of minutes from the previous meeting

Eddie Kramer moved that the draft minutes be approved as written. The motion was seconded. The motion was approved by an unanimous voice vote.

5 Approval of agenda

Eddie Kramer moved that the agenda be approved as written. The motion was seconded. The motion was approved by an unanimous voice vote.

6 Old Business, task group reports

6.1 Section 3, Architectural

Steve Rust asked for more volunteers to serve on the task group. Jerry Gorrell said he had a contact at HOK whom he might be able to convince to participate. Steve Rust said that Steve Vanciel has been doing a lot of the work, but Richard Thompson has been unable to contribute and when he might be able to become active again is unclear.

There was a discussion of the working angle limits of followspots that use xenon lamps. The lamps work steadily when mounted vertically (which is not used in modern followspots) or horizontal plus/minus 30 degrees. A 45-degree vertical angle is outside this range.

Steve Rust's drawings of various sized followspot booths were looked at and discussed. Jerry Gorrell pointed out that the power supply needs to be shown, since this takes up a significant amount of floor space. Drawings are also needed for open platform followspot positions.

The need for sound absorption was also discussed, as were problems with light loss and distracting reflections from glass windows.

6.2 Section 4, Structural

Shawn Nolan reported on the work being done on the structural section. It is not yet written into standards language. The requirements at this time is fairly simple, but will get more complicated when the requirements for the hoisting point are added, should the rest of the working group direct that these hoisting points be added.

Fall protection was discussed. Gorrell mentioned the possibility of work restraints to keep people from falling in lieu of pipe safety railings. Wire cable grids, parallel horizontal cables, large clear polycarbonate plates were also discussed as alternate ways of keeping an operator in the position and out of the house.

6.3 Section 5, Electrical

Richard Logothetis distributed a revised version of the electrical section of the document. It is now in regular standard outline form with numbered paragraphs. He outlined some of the changes he has made.

The location of circuit breakers was discussed. It is most convenient if the operator has ready access, but he must at least know where the breaker for his luminaire is located. Gorrell reminded people of the requirements for keeping access to a circuit breaker panel clear. Locations of light switches, convenience outlets, and communications jacks were discussed. Jerry Gorrell recommended that provisions be made to allow equipment in the followspot positions to be

connected to whatever lighting control network is used in the venue, regardless of the size of the venue.

6.4 Section 6, Ventilation

Jack Schmidt reported that Chip Purchase was supposed to give him a report to deliver, but he hadn't, so he didn't have a formal report. However, he could make an informal report.

After carefully researching the ASHRAE standards, he can say that there is nothing in those standards that specifically address any peculiar conditions of followspot positions. There are special rules for places in which unhealthful gases or chemicals are present, but modern lamps do not create unhealthful gases. Carbon arc followspots create smoke and ozone, but these are not used. Xenon lamps without titanium dioxide in the envelope also create ozone, but these lamps are no longer manufactured. Therefore, standard ventilation adequate to take care of the heat load is sufficient.

There was a discussion of whether simply referring to local code was enough or whether general advice should be given.

7 New Business

There was a discussion of having a seminar and/or a meeting at LDI.

Shawn Nolan moved that we have a public presentation and discussion at LDI in lieu of a formal working group meeting. The motion was seconded. The motion was approved by a unanimous voice vote.

8 Other Business

None.

9 Schedule of future meetings and action items

The next meeting was announced as being at the Dallas/Fort Worth Airport Marriott South in Ft. Worth, TX on Saturday, 30 July 2005, from 19:00 to 22:00. **[It's been rescheduled to Thursday, July 28, from 19:00 to 22:00.]**

10 Adjournment

Fred Lindauer moved that the meeting adjourn. The motion was seconded. The motion was approved on a voice vote. Jack Schmidt declared the meeting adjourned at 21:07.

WORKING GROUP MEMBERSHIP AND CONTACT INFORMATION AS OF 08 JUNE 2005

Name	Company	Representing	Voting status	Int. cat.
Jack Schmidt	Special Lighting Solutions	Ballantyne of Omaha, Inc.	P	MP
Chip Purchase	Jones Hall	Foundation for Jones Hall	P	U
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
Edward Paget	Jones & Phillips Associates, Inc.	Jones & Phillips Associates, Inc.	O	G
Richard Logothetis	Lycian Stage Lighting	Lycian Stage Lighting	P	MP
Richard J. Nix	Performance Systems Integration	Performance Systems Integration	O	G
Fred Lindauer	Robert Juliat USA	Robert Juliat SA	P	MP
Steve Rust	Sachs Morgan Studio	Sachs Morgan Studio	P	G
Stephen Vanciel	Stephen Vanciel	Stephen Vanciel	I	U
Shawn Nolan	Entertainment Structures Group	Steven Schafer Associates	P	G
John Tedesco	The Phoebus Company, Inc.	The Phoebus Company, Inc.	O	MP
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	O	U
Richard D. Thompson	Thompson Associates	Thompson Associates	P	G
William L. Maiman	William L. Maiman	William L. Maiman	I	G
Robin Crews	Wrightson, Johnson, Haddon & Williams, Inc.	Wrightson, Johnson, Haddon & Williams, Inc.	P	G

Key to codes:

P	principal	MP	mass-market producer
A	alternate	CP	custom-market producer
I	individual	DR	dealer or rental company
O	observer	U	user
		G	general interest