

Minutes
Followspot Position Working Group meeting

Friday, 22 October 2004
Harrah's Las Vegas Casino & Hotel
Las Vegas, NV

Chairmen: Robin Crews; Wrightson, Johnson, Haddon & Williams, Inc.; P; G
Jack Schmidt; Strong Entertainment Lighting (Ballantyne of Omaha, Inc.); P; MP

Recording secretary: Karl G. Ruling; ESTA

Members: Shawn Nolan; Entertainment Structures Group (Steven Schafer Associates); P; G
Stephen Vanciel; I; U
Steve Rust; Sachs Morgan Studio; P; G
Fred Lindauer; Robert Juliat USA (Robert Juliat SA); P; MP
Richard Logothetis; Lycian Stage Lighting; P; MP
William Maiman; I; G (joined at this meeting with new representation)
Chip Purchase; Jones Hall (Foundation for Jones Hall); P; U (arrived late)
Richard J. Nix; Performance Systems Integration; O; G (arrived late)

Visitors: Carey Fehr; Careyations
Francisco Soto III; Fuego Design

1 Opening remarks —

The meeting was called to order at 18:03 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 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 disclosures 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 Technical Standards Committee of the existence of a patent or copyright that might protect material in a standard being developed by a working group. You need not be the holder of the patent or copyright in order to notify the TSC 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 Robin Crews:

"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 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 \$100,000 and imprisoned for up to three years. An easy to read pamphlet describing restraint of trade issues is available from the Technical Standards Manager."

No restraint of trade issues were brought to the attention of the assembly.

3 Attendance & membership

3.1 Introductions

Everyone present knew each other, so the self-introductions were omitted.

3.2 Taking attendance

A red attendance sign-in sheet was circulated.

3.3 Requirements for membership

Jack Schmidt reminded the assembly 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

Applications had been received from John Tedesco of The Phoebus Company, applying as a principal in the mass-market category; William Maiman applying as an individual in the general interest category; and Edward A. Paget of Jones & Phillips Associates, Inc., applying as an observer in the general interest category.

Steve Vanciel moved that the applications be accepted, with the exception that John Tedesco, who was not present, be accepted as an observer. The motion was seconded. The motion was approved by a unanimous show of hands.

The consensus body during this meeting was:

Name	Company	Representing (sort field)	Voting status	Int cat
Jack Schmidt	Strong Entertainment Lighting	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	
			3	MP
			0	CP
			0	DR
			3	U
			5	G

4 Approval of minutes from the previous meeting

Fred Lindauer moved that the minutes be accepted as written. The motion was seconded. The motion was approved by a unanimous voice vote.

5 Approval of agenda

Steve Vanciel moved that the agenda be approved as written. The motion was seconded. The motion was approved by a unanimous voice vote.

6 Old Business, task group reports

6.1 Section 3, Architectural

Steve Rust reported.

A table of the space requirements, operating angles, illumination levels at 100', and diameters of areas illuminated was distributed. In discussion, very short throw luminaires were defined as producing under 100 fc at 100 feet. The table should have a column added that shows the weight of the unit.

6.2 Section 4, Structural

Robin Crews and Jack Schmidt reported and lead a discussion.

The standard load rating is 40 pounds per square foot for a catwalk. There is no reason (given the square footage) that it should be any different for a follow spot location, however the follow spot represents a live load applied to the floor and vibration is an issue. Also follow spots are defined as temporary equipment.

The safety railing around a follow spot platform should be stronger than a standard railing due to a potential point load applied by lifting the light. Railing has deflection criteria that should be considered in terms of applied point load. "In addition to normal design load design must add consideration of a load of ---- (follow spot and operator) to accommodate a follow spot."

Wire rope as a railing or protective tension grid was discussed. One specification might be:

- 3/16 – ¼" wire rope on 12" centers
- Painted black

With this, a luminaire can be placed with a few inches of clearance from the wire rope and still safely operate.

On a lighting mezzanine no railing is required. A safety should be provided for the follow spot, but what would the rating be to secure the follow spot? How should fall protection be defined in this application? Are there overhead protection requirements for a follow spot booth?

6.3 Section 5, Electrical

Richard Logothetis presented.

Several different categories for classification were discussed:

- Define power requirement or by connector type.
- It is a connected device as required by code (or AHJ)
- Should there be a 120VAC outlet as a recommendation
- Work lights and operating lights for access and safety (running lights)
- Over current protection located in the booth:
 - Circuit must be labeled
 - Circuit breaker could be part of receptacle
 - Must be accessible (code definition) so in sight
 - Supplementary over current protection

6.4 Section 6, Ventilation — Chip Purchase, Jerry Gorrell, Jack Schmidt

There was discussion of ventilation. Ventilation standards are already written, so should we use them as references? How should we specify the heat load? What is this based on, since the source

of the heat is defined as temporary equipment? If a xenon lamp is used, forced air cooling is a requirement.

7 New Business

8 Other Business

9 Schedule of future meetings

It was announced that the next scheduled meeting is for Saturday, 15 January 2005, from 19:00 to 22:00 at the Dallas/Ft. Worth Airport Marriott South, in Ft. Worth, Texas.

The following meeting will be Friday, 18 March 2005, at the Fairmont Royal York Hotel in Toronto, ON, from 19:00 to 23:00.

The summer meeting will be Saturday, 30 July 2005, from 19:00 to 22:00 at the Dallas/Ft. Worth Airport Marriott South, in Ft. Worth, Texas.

10 Adjournment

Shawn Nolan moved that the meeting adjourn. The motion was seconded. The motion was approved by acclamation. Jack Schmidt declared the meeting adjourned at 19:55.

Followspot Position Working Group Membership and Contact Information as of 23 December 2004

Name	Company	Representing (sort field)	Voting status	Int cat
Jack Schmidt	Strong Entertainment Lighting	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